

SK Inc. and its subsidiaries

Interim condensed consolidated financial statements for the six-month periods ended June 30, 2022 and 2021 with the independent auditor's review report

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Report on review of interim condensed consolidated financial statements

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Report on review of interim condensed consolidated financial statements

(English Translation of a Report Originally Issued in Korean)

SK Inc.

The Shareholders and Board of Directors

We have reviewed the accompanying interim condensed consolidated financial statements of SK Inc. (the "Company") and its subsidiaries (collectively referred to as, the "Group"), which comprise the interim condensed consolidated statement of financial position as of June 30, 2022, and the related interim condensed consolidated statements of comprehensive income for the three-month and six-month periods ended June 30, 2022 and 2021, interim condensed consolidated statements of changes in equity and interim condensed consolidated statements of cash flows for the six-month periods then ended, and a summary of significant accounting policies and other explanatory information.

Management's responsibility for the interim condensed consolidated financial statements

Management is responsible for the preparation and presentation of these interim condensed consolidated financial statements in accordance with International Financial Reporting Standards as adopted by the Republic of Korea ("KIFRS") 1034 *Interim Financial Reporting*, and for such internal control as management determines is necessary to enable the preparation of the interim condensed consolidated financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's responsibility

Our responsibility is to express a conclusion on these interim condensed consolidated financial statements based on our review.

We conducted our review in accordance with the Review Standards for Quarterly and Semiannual Financial Statements established by the Securities and Futures Commission of the Republic of Korea. A review of interim financial information consists of making inquiries, primarily of persons responsible for financial and accounting matters, and applying analytical and other review procedures. A review is substantially less in scope than an audit conducted in accordance with Korean Standards on Auditing ("KSAs") and, consequently, does not enable us to obtain assurance that we would become aware of all significant matters that might be identified in an audit. Accordingly, we do not express an audit opinion.



Conclusion

Based on our review, nothing has come to our attention that causes us to believe that the accompanying interim condensed consolidated financial statements are not prepared, in all material respects, in accordance with KIFRS 1034 *Interim Financial Reporting.*

Other matters

We have audited the consolidated statement of financial position of the Group as of December 31, 2021, and the related consolidated statement of comprehensive income, consolidated statement of changes in equity and consolidated statement of cash flows for the year then ended (not presented herein) in accordance with KSAs, and our report dated March 11, 2022 expressed an unqualified opinion thereon. The accompanying consolidated statement of financial position as of December 31, 2021, presented for comparative purposes, is not different, in all material respects, from the above audited consolidated statement of financial position.

August 16, 2022

Einst Joung Han Young

This review report is effective as of August 16, 2022, the independent auditor's review report date. Accordingly, certain material subsequent events or circumstances may have occurred during the period from the independent auditor's review report date to the time this review report is used. Such events and circumstances could significantly affect the accompanying interim condensed consolidated financial statements and may result in modification to this review report.

SK Inc. and its subsidiaries

SK inc. and its subsidiaries
Interim condensed consolidated financial statements for the six-month periods ended June 30, 2022 and 2021
"The accompanying interim condensed consolidated financial statements, including all footnotes and disclosures
have been prepared by, and are the responsibility of, the Group."

		Korea	an won		nto U.S. dollar te 2)
	Notes	June 30, 2022 (Unaudited)	December 31, 2021	June 30, 2022 (Unaudited)	December 31, 2021
Assets					
Current assets:					
Cash and cash equivalents	5	₩ 15,253,457	₩ 12,317,555	\$ 11,797,863	\$ 9,527,075
Short-term financial instruments	5, 32	7,037,001	6,124,750	5,442,804	4,737,219
Trade receivables, net	5, 6, 27, 32, 34	13,250,967	11,387,442	10,249,027	8,807,674
Other receivables, net	5, 27, 31, 34	2,919,783	2,419,559	2,258,321	1,871,420
Inventories, net	7, 32	16,923,647	10,680,704	13,089,680	8,261,044
Short-term investment securities	5, 8, 32, 34	1,022,729	353,355	791,035	273,304
Other current assets	5, 18, 19, 32, 34	5,937,783	4,879,645	4,592,608	3,774,186
Assets held for sale	29	478,808	1,030,196	370,336	796,810
Total current assets		62,824,175	49,193,206	48,591,674	38,048,732
Non-current assets:					
Long-term financial instruments	5, 32	28,877	48,092	22,335	37,197
Long-term trade receivables, net	5, 6, 27, 34	468,582	391,739	362,427	302,992
Long-term other receivables, net	5, 27, 31, 34	238,795	318,884	184,697	246,642
Long-term investment securities	5, 8, 32, 34	8,384,814	9,546,185	6,485,277	7,383,545
Investments in associates and joint ventures	9, 32	28,620,031	26,050,445	22,136,307	20,148,848
Property, plant and equipment, net	10, 32	54,726,401	51,383,825	42,328,410	39,743,078
Right-of-use assets, net	11	5,391,988	5,034,316	4,170,460	3,893,817
Investment property, net	12, 32	1,584,672	967,128	1,225,673	748,030
Goodwill	13	7,756,101	5,618,511	5,998,995	4,345,666
Intangible assets, net	14	12,372,596	12,681,890	9,569,647	9,808,872
Deferred tax assets	E 10 10 07 01	927,066	765,000	717,044	591,693
Other non-current assets Total non-current assets	5, 18, 19, 27, 34	3,730,053 124,229,976	3,359,226 116,165,241	2,885,029 96,086,301	2,598,211 89,848,590
Total assets		₩ 187,054,151	₩ 165,358,447	\$ 144,677,975	\$ 127,897,322
Liabilities and equity Liabilities					
Current liabilities:					
Short-term borrowings	5, 15, 34	₩ 15,091,213	₩ 7,657,381	\$ 11,672,375	\$ 5,922,640
Trade payables	5, 27, 34	14,802,757	9,519,544	11,449,267	7,362,939
Other payables	5, 27, 34	7,119,445	7,049,872	5,506,571	5,452,759
Provisions	16	569,282	530,049	440,314	409,969
Current portion of long-term debt	5, 15, 34	10,099,763	7,828,071	7,811,712	6,054,661
Other current liabilities	5, 18, 19	11,542,115	11,991,798	8,927,307	9,275,116
Liabilities held for sale	29	30,517	398,144	23,604	307,946
Total current liabilities		59,255,092	44,974,859	45,831,150	34,786,030
Non-current liabilities:	E 4E 04	40 700 00 1	40.000.444	22.272.22	20 004 700
Bonds payable and long-term borrowings	5, 15, 34	42,766,884	42,620,141	33,078,261	32,964,763
Long-term other payables	5, 34	1,487,283	1,854,343	1,150,347	1,434,251
Defined benefit liabilities	17	384,098	283,938	297,083	219,613
Provisions	16	746,929	706,452	577,716	546,409
Deferred tax liabilities Other non-current liabilities	5 19 10 27 24	4,768,853	3,807,437	3,688,493	2,944,881
Total non-current liabilities	5, 18, 19, 27, 34	6,282,473 56,436,520	5,568,542 54,840,853	4,859,210 43,651,110	4,307,017 42,416,934
Total liabilities		115,691,612	99,815,712	89,482,260	77,202,964
Equity					
Equity attributable to owners of the parent:					
Issued capital	1, 20	16,143	16,143	12,486	12,486
Other paid-in capital	20	6,451,934	6,445,296	4,990,281	4,985,147
Retained earnings	20	15,740,643	14,057,406	12,174,679	10,872,771
Other components of equity	20	777,458	721,262	601,329	557,864
Total equity attributable to owners of the parent		22,986,178	21,240,107	17,778,775	16,428,268
Non-controlling interests		48,376,361	44,302,628	37,416,939	34,266,090
Total equity		71,362,539	65,542,735	55,195,714	50,694,358
Total liabilities and equity		₩ 187,054,151	₩ 165,358,447	\$ 144,677,974	\$ 127,897,322

The accompanying notes are an integral part of the interim condensed consolidated financial statements.

					Korea	n wo	n		
			June 3 (Unau				June 3 (Una	•	
	Notes	Th	ree months		Six months	Th	ree months	8	ix months
Sales Cost of sales	4, 27 24, 27	₩	33,327,335 28,024,775	₩	64,091,393 54,109,104	₩	23,223,454 20,585,944	₩	45,236,238 39,654,211
Gross profit			5,302,560		9,982,289		2,637,510		5,582,027
Selling and administrative expenses	21, 24, 27	7	1,724,422		3,351,168		1,409,174		2,740,982
Operating income	4		3,578,138		6,631,121		1,228,336		2,841,045
Finance income Finance costs Gain on investments in associates and joint ventures, net Other non-operating income Other non-operating expenses	22 22 9 23 23		2,231,248 3,183,908 625,761 231,803 78,975		4,319,643 6,075,856 1,037,529 1,057,358 185,380		564,619 1,010,717 477,087 1,026,682 173,257		1,526,610 2,342,819 717,185 1,592,680 1,251,204
Profit from continuing operations before income tax expense	4		3,404,067		6,784,415		2,112,750		3,083,497
Income tax expense from continuing operations	25		1,035,074		2,044,052		712,864		1,182,125
Profit for the period from continuing operations	4		2,368,993		4,740,363		1,399,886		1,901,372
Gain (loss) from discontinued operation	28		(2,153)		627,681		143,047		217,904
Profit for the period Attributable to:		₩_	2,366,840	₩	5,368,044	₩	1,542,933	₩	2,119,276
Owners of the parent Non-controlling interests			797,929 1,568,911		2,020,658 3,347,386		497,564 1,045,369		728,601 1,390,675
Other comprehensive income (loss): Items that will not be reclassified to profit or loss in subsequent periods (net of tax): Remeasurement gain(loss) on defined benefit plans Net gain (loss) on valuation of financial assets at FVOCI			10,893 (1,312,654)		28,256 (1,708,777)		19,521 511,523		(10,478) 749,644
Items that may be reclassified to profit or loss in subsequent periods (net of tax): Equity adjustments of investments in associates			159,151		320,378		89,128		270,496
and joint ventures Net gain on valuation of derivative financial instruments			57,303		9,265		27,011		14,992
Net gain(loss) on translation of foreign operations		_	1,290,515 205,208	_	1,677,721 326,843		(5,902) 641,281	_	559,652 1,584,306
Total comprehensive income for the period Attributable to:		₩	2,572,048	₩	5,694,887	₩	2,184,214	₩	3,703,582
Owners of the parent Non-controlling interests			758,954 1,813,094		2,104,156 3,590,731		668,735 1,515,479		1,399,840 2,303,742
Earnings per share (Korean won): Basic earnings per share Diluted earnings per share Basic earnings per share from continuing operations Diluted earnings per share from continuing operations	26	₩	14,183 14,155 14,199 14,171	₩	35,962 35,894 30,980 30,921	₩	9,480 9,460 8,251 8,233	₩	13,880 13,851 12,009 11,984

				Translation into	U.S.	dollar (Note 2)		
			June 30 (Unaud	•		June 30 (Unaud	-	
	Notes	Tł	ree months	Six months	Т	hree months	5	Six months
Sales Cost of sales	4, 27 24, 27	\$	25,777,195 21,675,903	\$ 49,571,810 41,850,958	\$	17,962,297 15,922,302	\$	34,988,196 30,670,749
Gross profit			4,101,292	7,720,852		2,039,995		4,317,447
Selling and administrative expenses	21, 24, 27	7	1,333,763	2,591,978		1,089,933		2,120,026
Operating income	4		2,767,529	5,128,874		950,062		2,197,421
Finance income	22		1,725,770	3,341,050		436,707		1,180,764
Finance costs	22		2,462,610	4,699,401		781,744		1,812,065
Gain on investments in associates			2, 102,010	1,000,101				.,0.2,000
and joint ventures, net	9		483,998	802,482		369,005		554,710
Other non-operating income	23		179,289	817,819		794,092		1,231,866
Other non-operating expenses	23		61,084	143,383		134,006		967,750
Profit from continuing operations before income tax expense	4		2,632,892	5,247,441		1,634,116		2,384,946
Income tax expense from continuing operations	25		800,583	1,580,982		551,368		914,321
Profit for the period from continuing operations	4		1,832,309	3,666,459		1,082,748		1,470,625
Gain (loss) from discontinued operation	28		(1,665)	485,483		110,640		168,539
Profit for the period		\$	1,830,644	\$ 4,151,942	\$	1,193,388	\$	1,639,164
Attributable to:								
Owners of the parent			617,162	1,562,889		384,843		563,540
Non-controlling interests			1,213,482	2,589,053		808,545		1,075,624
Other comprehensive income (loss): Items that will not be reclassified to profit or loss in subsequent periods (net of tax): Remeasurement gain on defined benefit plans			8,425	21,855		15,099		(8,104)
Net gain (loss) on valuation of financial assets at FVOCI Items that may be reclassified to profit or loss			(1,015,279)	(1,321,662)		395,640		579,816
in subsequent periods (net of tax): Equity adjustments of investments in associates and joint ventures			123,096	247,798		68,936		209,216
Gain on valuation of derivative financial instruments			44,321	7,166		20,892		11,596
Net gain (loss) on translation of foreign operations			998,155	1,297,642		(4,565)		432,866
3. (,			158,718	252,799		496,002		1,225,390
Total comprehensive income for the period Attributable to:		<u>\$</u>	1,989,362	\$ 4,404,741	<u>\$</u>	1,689,390	\$	2,864,554
Owners of the parent Non-controlling interests			587,016 1,402,346	1,627,471 2,777,270		517,235 1,172,155		1,082,713 1,781,841
Earnings per share (U.S. dollar):	26							
Basic earnings per share	20	\$	10.97	\$ 27.81	\$	7.33	\$	10.74
Diluted earnings per share		Ψ	10.97	27.76	Ψ	7.32	Ψ	10.74
Basic earnings per share from continuing operations			10.95	23.96		6.38		
Diluted earnings per share from continuing operations			10.98	23.92		6.37		9.29 9.27
2 operations			10.50	20.32		0.07		5.21

The accompanying notes are an integral part of the interim condensed consolidated financial statements.

Interim condensed consolidated statements of changes in equity for the six-month periods ended June 30, 2022 and 2021 (Korean won in millions) SK Inc. and its subsidiaries

								Other	Total equity				
				Other		Retained	8	components	owners of the	Š	Non-controlling		
	Issue	Issued capital	paid	paid-in capital		earnings		of equity	parent		interests	Tota	Total equity
As of January 1, 2021	*	15,385	≱	5,250,146	≱	12,496,676	≱	(327,163)	₩ 17,435,044	¥ ₩	34,424,874	*	51,859,918
Total comprehensive income:													
Profit for the period		•		•		728,601			728,601	_	1,390,675		2,119,276
Remeasurement loss on defined benefit plans		•		•		(2,495)		•	(2,495)	(2)	(2,983)		(10,478)
Net gain on valuation of financial instruments													
at FVOCI		•		•		10,829		216,303	227,132	22	522,512		749,644
Equity adjustments of investments in													
associates and joint ventures		•		•		1		142,617	142,617	7	127,879		270,496
Net gain (loss) on valuation of derivative													
financial instruments		•		•		1		(3,471)	(3,471)	.	18,463		14,992
Net gain on translation of foreign operations		•		•		1		307,456	307,456	9	252,196		559,652
Transaction with shareholders:													
Dividends		•		1		(317,256)		•	(317,256)	(9)	(645,981)		(963,237)
Equity transactions within consolidated entities		٠		1,616,940				•	1,616,940	요	1,933,284		3,550,224
Changes in the scope of consolidation		•				1		•			23,080		23,080
Others		٠		1,972		(1.236)		•	736	9	(1,091)		(355)
As of June 30, 2021 (Unaudited)	≱	15,385	≱	6,869,058	≱	12,915,119	≱	335,742	W 20,135,304	¥ ≱		; ₩	58,173,212
As of January 1, 2022	≱	16,143	≱	6,445,296	≱	14,057,406	≱	721,262	W 21,240,107	*	44,302,628	*	65,542,735
Total comprehensive income:													
Profit for the period		•		•		2,020,658		•	2,020,658	88	3,347,386		5,368,044
Remeasurement loss on defined benefit plans		•		•		11,900		•	11,900	0	16,356		28,256
Net gain (loss) on valuation of financial instruments													
at FVOCI		•		•		15,402		(1,008,810)	(993,408)	(8)	(715,369)		(1,708,777)
Equity adjustments of investments in													
associates and joint ventures		•		•		•		131,397	131,397	2(188,981		320,378
Net loss on valuation of derivative													
financial instruments		•		ı		1		(68,568)	(892'89)	(8)	77,833		9,265
Net gain on translation of foreign operations		•		1		•		1,002,177	1,002,177	7	675,544		1,677,721
Transaction with shareholders:													
Dividends		•		•		(368,286)		•	(368,286)	(9)	(946,162)		(1,314,448)
Equity transactions within consolidated entities		•		22,316		1		•	22,316	9	874,750		897,066
Changes in the scope of consolidation		•		•		1					559,784		559,784
Others		•		(15,678)		3,563		•	(12,115)	2)	(5,370)		(17,485)
As of June 30, 2022 (Unaudited)	₩	16,143	₩	6,451,934	≱	15,740,643	₩	777,458	₩ 22,986,178	.8	48,376,361	. M	71,362,539

SK Inc. and its subsidiaries Interim condensed consolidated statements of changes in equity for the six-month periods ended June 30, 2022 and 2021 (cont'd)

(8,104)432,865 432,968 579,817 11,595 21,855 7,166 40,111,315 1,639,164 209,217 (745,020)2,745,938 17,851 50,694,358 4,151,941 (1,321,662)247,798 (1,016,667) 693,840 (13.524) 55,195,714 1,297,641 44,994,363 **Total equity** S (6,174)404,140 60,200 731,814) 98,909 14,280 195,062 (499,637)34,266,090 Non-controlling 26,626,092 1,075,624 1,495,308 17,851 2,589,053 12,651 (553,306)146,168 522,503 676,580 432,968 (4,154)37,416,939 29,420,611 () (2,685)778,775 (1,930)237,803 13,485,223 (245,383)16,428,268 9,204 (284,853)563,540 175,677 110,308 ,250,630 5,573,752 1,562,888 (768,356)101,630 (53,034)775,138 17,260 (0.370)Total equity ₩ W (253,046)(2,685) 237,803 601,329 557,864 259,681 (780, 269)(53,034)101,630 167,301 110,308 775,138 Other ₩ (1,930)(926)12,174,679 8,376 (245,383)9,204 11,913 (284,853)2,756 9,665,617 9,989,264 10,872,771 1,562,888 563,540 Retained () S 4,060,752 17,260 (12,126)1,250,630 4,985,147 1.525 5,312,907 4,990,281 Other () () **Issued capital** 12,486 11,900 11,900 (2 Net gain (loss) on valuation of financial instruments Equity transactions within consolidated entities Equity transactions within consolidated entities Remeasurement loss on defined benefit plans Remeasurement loss on defined benefit plans Net gain on valuation of financial instruments Net gain on translation of foreign operations Net gain on translation of foreign operations Net gain (loss) on valuation of derivative Changes in the scope of consolidation Changes in the scope of consolidation Equity adjustments of investments in Equity adjustments of investments in Net loss on valuation of derivative As of June 30, 2022 (Unaudited) associates and joint ventures As of June 30, 2021 (Unaudited) associates and joint ventures Fransaction with shareholders: Fransaction with shareholders: Total comprehensive income: Fotal comprehensive income: financial instruments financial instruments (U.S. dollar in thousands) As of January 1, 2022 As of January 1, 2021 Profit for the period Profit for the period at FVOCI at FVOCI Dividends

The accompanying notes are an integral part of the interim condensed consolidated financial statements.

			Fo	or the six-month p	eriod ended June 3	30
					Transla	tion into
			Korea	n won	U.S. dolla	ar (Note 2)
	Mataa		2022	2021	2022	2021
	Notes	(U	naudited)	(Unaudited)	(Unaudited)	(Unaudited)
Cash flows from operating activities:						
Profit for the period		₩	5,368,044	₩ 2,119,276	\$ 4,151,941	\$ 1,639,164
Non-cash adjustments	30	**	6,137,085	4,031,683	4,746,759	3,118,325
Working capital adjustments	30		(4,365,293)	(1,602,851)	(3,376,358)	(1,239,733)
Interest received			135,864	80,463	105,085	62,235
Interest paid			(841,924)	(695,312)	(651,190)	(537,793)
Dividends received			344,627	240,968	266,553	186,378
Income tax paid			(1,370,069)	(1,141,098)	(1,059,687)	(882,588)
Net cash provided by operating activities			5,408,334	3,033,129	4,183,103	2,345,988
Cash flows from investing activities:						
Decrease in short-term and long-term						
financial instruments, net			(1,574,535)	(2,906,884)	(1,217,832)	(2,248,344)
Increase in short-term and long-term loans, net			52,873	37,504	40,895	29,008
Increase in short-term investment securities			48,130	77,532	37,226	59,968
Proceeds from disposal of long-term investment securities			500,828	93,896	387,368	72,624
Proceeds from disposal of investments in associates and			7,756	142,872	5,999	110,505
joint ventures			7,750	142,072	5,999	110,505
Proceeds from disposal of property, plant and equipment			216 755	107 225	167 650	1// 010
Proceeds from disposal of intangible assets			216,755	187,225	167,650	144,810
Proceeds from disposal of intangible assets Proceeds from disposal of assets held for sale			24,638 448,067	14,806 430,287	19,056 346,560	11,452 332,808
·			,	,	,	,
Acquisition of long-term investment securities			(683,932)	(358,015)	(528,991)	(276,909)
Acquisition of investments in associates and joint ventures			(901,789)	(3,307,215)	(697,493)	(2,557,982)
Acquisition of property, plant and equipment			(5,102,407)	(3,893,503)	(3,946,482)	(3,011,449)
Acquisition of intangible assets			(246,416)	(159,687)	(190,592)	(123,511)
Net changes in cash due to changes			(4.770.064)	(706 664)	(4.274.206)	(ECO 040)
in the scope of consolidation			(1,772,961)	(726,664)	(1,371,306)	(562,042)
Others, net			(602,454)	1,414,074	(465,971)	1,093,723
Net cash used in investing activities			(9,585,447)	(8,953,772)	(7,413,913)	(6,925,339)
Cash flows from financing activities:						
Increase (decrease) in short-term borrowings, net			7,201,483	(245,267)	5,570,023	(189,703)
Increase in bonds payable and borrowings			5,610,226	8,635,767	4,339,257	6,679,377
Decrease in bonds payable and borrowings			(4,431,600)	(3,344,196)	(3,427,643)	(2,586,585)
Decrease in other payables			(405,583)	(425,807)	(313,700)	(329,343)
Decrease in lease liabilities			(534,947)	(521,850)	(413,757)	(403,628)
Payment of dividends			(1,319,494)	(986,103)	(1,020,569)	(762,706)
Cash inflows from equity transactions within						
consolidated entities			660,020	3,863,945	510,496	2,988,588
Others, net			(32,926)	(38,284)	(25,467)	(29,611)
Net cash provided by financing activities			6,747,179	6,938,205	5,218,640	5,366,389
Net increase in cash and cash equivalents			2,570,066	1,017,562	1,987,830	787,038
Net foreign exchange effects			365,836	137,140	282,958	106,072
Cash and cash equivalents included in assets held for sale			-	77,917	-	60,265
Cash and cash equivalents at the beginning of the period			12,317,555	10,096,940	9,527,075	7,809,529
Cash and cash equivalents at the end of the period		₩	15,253,457	₩ 11,329,559	\$ 11,797,863	\$ 8,762,904

The accompanying notes are an integral part of the interim condensed consolidated financial statements.

1. Corporate information

1.1 Parent

SK Inc. (the "Company") was established on April 13, 1991 and has been engaged in providing systems integration, software design and development, information processing and consulting services, and is headquartered at 26, Jong-ro, Jongno-gu, Seoul. The Company's ordinary shares have been listed on the Korea Exchange since November 11, 2009.

Upon the acquisition of SK Inc. by SK C&C Co., Ltd. effective on August 1, 2015, the Company added the investment business to its existing operations for the purpose of holding the securities of its subsidiaries. Furthermore, the Company changed its name to its current form as of the acquisition date.

As of June 30, 2022, the issued capital of the Company amounts to ₩16,143 million (including ₩113 million of preferred shares). Major shareholders and their equity ownership are Tae-won Chey, National Pension Service and Ki-won Choi each holding 17.50%, 8.60% and 6.50% respectively, as of June 30, 2022.

1.2 Consolidated subsidiaries

The Company and its subsidiaries (collectively, the "Group") are engaged in petroleum refining, telecommunications, wholesale and retail, chemicals, construction and other industries. Subsidiaries whose accounts are included in the consolidated financial statements as of June 30, 2022 are as follows:

				Equity
0.1.18.1		6	-	ownership
Subsidiaries	Domicile	Principal business activity	The largest shareholders SK Inc.	(*1) 33,77%
SK Innovation Co., Ltd. (*2)	Korea	Resource development		100.00%
SK Energy Co., Ltd.	Korea Korea	Crude oil refining and sales	SK Innovation Co., Ltd.	100.00%
Netruck Co., Ltd.	Korea	gas station operation	SK Energy Co., Ltd.	100.00%
Jeju United FC Corporation	Korea	Sports association sponsoring Service	SK Energy Co., Ltd.	100.00%
Happy Didim Co., Ltd. Green & Co. Asia Ltd.	Myanmar	Manufacturing	SK Energy Co., Ltd. SK Energy Co., Ltd.	80.00%
SK Energy Hong Kong Co., Ltd.	Hong Kong	Investment	SK Energy Co., Ltd.	100.00%
SK Energy Road Investment Co., Ltd.	Cayman	Investment	SK Energy Co., Ltd.	100.00%
SK Energy Road Investment (HK) Co., Ltd.	Hong Kong	Investment	SK Energy Road Investment Co., Ltd.	100.00%
SK Asphalt (Shanghai) Co., Ltd.	China	the sale of asphalt	SK Energy Road Investment (HK) Co., Ltd.	100.00%
goodsFLOW Co., Ltd. (*2)	Korea	the information and communication	SK Energy Co., Ltd.	41.00%
goodsCORE Co., Ltd. (2)	Korea	Business Support Service Industry	goodsFLOW Co., Ltd.	100.00%
goodsPOST Co., Ltd.	Korea	Transportation industry	goodsFLOW Co., Ltd.	100.00%
SK Geo Centric Co., Ltd.	Korea	Chemicals manufacturing and sales	SK Innovation Co., Ltd.	100.00%
SK Geo Centric (Beijing) Holding Co., Ltd.	China	Investment	SK Geo Centric Co., Ltd.	100.00%
(formerly, SK Global Chemical (China) Holding Co., Ltd.)	Omma	IIIVOSIIIIOIII	OR GOO GOITHIO GO., Eta.	100.0070
SK Geo Centric China, Ltd.	Hong Kong	Investment	SK Geo Centric Co., Ltd.	100.00%
(formerly, SK Global Chemical China Limited)	riong rong	IIIVOSIIIIOIII	OR GOO GOITHIO GO., Eta.	100.0070
Sino-Korea Green New Material (JiangSu) Ltd.	China	Petrochemicals manufacture and sales	SK Geo Centric China, Ltd.	100.00%
SK Geo Centric International Trading (Shanghai) Co., Ltd.	China	Petrochemicals sales	SK Geo Centric China, Ltd.	100.00%
(formerly, SK Global Chemical International Trading (Shanghai) Co., Ltd.)	Offilia	T CHOCHEMIOUIS SUICS	ore ded dentilo offina, Eta.	100.0070
SK Geo Centric International Trading (Guangzhou) Co., Ltd.	China	Petrochemicals sales	SK Geo Centric China, Ltd.	100.00%
(formerly, SK Global Chemical International Trading (Guangzhou) Co., Ltd.)				
SK GC Americas, Inc.	USA	Petrochemicals sales	SK Geo Centric Co., Ltd.	100.00%
SK Primacor Americas, LLC	USA	Petrochemicals manufacture and sales	SK Global Chemical Americas, Inc.	100.00%
SK Primacor Europe, S.L.U.	Spain	Petrochemicals manufacture and sales	SK Global Chemical Americas, Inc.	100.00%
SK Saran Americas, LLC	USA	Petrochemicals manufacture and sales	SK Global Chemical Americas, Inc.	100.00%
SK Geo Centric Brazil LTDA	Brazil	Petrochemicals manufacture and sales	SK Global Chemical Americas, Inc.	100.00%
SK Geo Centric Japan Co., Ltd.	Japan	Petrochemicals sales	SK Geo Centric Co., Ltd.	100.00%
SK Geo Centric Singapore Pte. Ltd.	Singapore	Petrochemicals sales	SK Geo Centric Co., Ltd.	100.00%
SK Geo Centric Investment Hong Kong Ltd.	Hong Kong	Investment	SK Geo Centric Co., Ltd.	100.00%
Ningbo SK Performance Rubber Co., Ltd.	China	Manufacturing	SK Geo Centric Investment Hong Kong Ltd.	80.00%
Happymoeum Co., Ltd.	Korea	Service	SK Geo Centric Co., Ltd.	100.00%
SK Functional Polymer, S.A.S	France	Petrochemicals manufacture and sales	SK Geo Centric Co., Ltd.	100.00%
Green & Connect Capital, Inc.	USA	Investment	SK Geo Centric Co., Ltd.	100.00%
Won Poll Co., Ltd.	Korea	Petrochemicals manufacture and sales	SK Geo Centric Co., Ltd.	100.00%
SK Incheon Petrochem Co., Ltd.	Korea	Chemicals manufacturing and sales	SK Innovation Co., Ltd.	100.00%
SK Trading International Co., Ltd.	Korea	Trading business	SK Innovation Co., Ltd.	100.00%
SK Energy International Pte. Ltd.	Singapore	Trading business	SK Trading International Co., Ltd.	100.00%
SK Energy Europe, Ltd.	UK USA	Trading business	SK Energy International Pte. Ltd.	100.00% 100.00%
SK Energy Americas, Inc.	Netherlands	Trading business	SK Energy International Pte. Ltd.	100.00%
SK Terminal B.V. SK Lubricants Co., Ltd.	Korea	Investment Lubricants oil manufacturing and sales	SK Energy International Pte. Ltd. SK Innovation Co., Ltd.	60.00%
Yubase Manufacturing Asia Corporation	Korea	Lubricants oil manufacturing and sales Lubricants oil processing	SK Innovation Co., Ltd.	70.00%
SK Energy Lubricants (Tianjin) Co., Ltd.	China	Lubricants oil processing Lubricants oil manufacturing and sales	SK Lubricants Co., Ltd.	100.00%
SK Lubricants Americas, Inc.	USA	Lubricants oil manufacturing and sales	SK Lubricants Co., Ltd.	100.00%
SK Lubricants Europe B.V.	Netherlands	Lubricants oil sales	SK Lubricants Co., Ltd.	100.00%
SK Lubricants Japan Co., Ltd.	Japan	Lubricants oil sales	SK Lubricants Co., Ltd.	100.00%
SK Lubricants & Oils India Pvt. Ltd.	India	Lubricants oil sales	SK Lubricants Co., Ltd.	100.00%
Iberian Lube Base Oils, S.A.	Spain	Lubricants oil sales Lubricants oil manufacturing and sales	SK Lubricants Co., Ltd.	70.00%
SK Lubricants Russia, LLC	Russia	Lubricants oil sales	SK Lubricants Co., Ltd.	100.00%
SK ie technology Co., Ltd.	Korea	Manufacture of Separators for	SK Innovation Co., Ltd.	61.20%
5.1.15 155.1115.15gy 00., Etc.	Norou	secondary Cells	ort milotation oo., Etc.	01.2070
SK Hi-tech Battery Materials(Jiang Su) Co., Ltd.	China	Separation membrane for secondary battery manufacturing	SK ie technology Co., Ltd.	100.00%
SK Hi-tech Battery Materials Poland Sp. Zo.o.	Poland	Separation membrane for secondary	SK ie technology Co., Ltd.	100.00%
SK Innovation Insurance (Bermuda), Ltd.	Bermuda	Insurance	SK Innovation Co., Ltd.	100.00%
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Section Company Comp					Equity ownership
See Section				The largest shareholders	(*1)
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See Fair Company Ltd. Unable of the company Ltd. Carbon of the company Ltd. Unable of the compa					
See Christaney CB,	· ·				
Se Collegia Co. 1.1.1 Collegia					
SC Critical Control China					
Sea State Column	SK On(Yancheng) Co., Ltd.	China	Lithium battery manufacturing	SK On Co., Ltd.	100.00%
Se Fauer Enroy (Descripting O.C. LLS Chrisis Lithure betaleny manufacturing Set Or. Co.D. LLS 100.0076, white Enroy (D. LLS 100.0076, white Enroy					
Variable Service March Service Control Service			Lithium battery manufacturing		100.00%
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Sk of inclination Content (simmarpus) Co., List					
SK Flatench Co., Ltd. (**) K Flatench Co., Ltd. (**)		China	Lithium cell certification	SK On Co., Ltd.	100.00%
K Planck Co., Ltd.		Korea	Oil development	SK Innovation Co., Ltd.	100.00%
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SKP America, LLC SKP America, LLC USA USA Digital contents sourcing and presenting SKP America, LLC Singapore Note The Investment fund SK Square Americas, Inc SK Square Americas, Inc SK Square Americas, Inc USA USA Investment fund SK Square Co., Ltd. Singapore Nice and information gathering SK Square Co., Ltd. Stopping Co., Ltd. Sk Square Co., Ltd. Sk Squar	SK Planat Clahal Haldings Pto Ltd	Singaporo		SK Planet Co. Ltd	100 00%
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K-Net Culture & Contents Venture Fund Korea Investment fund and information gathering SK Square Americas, Inc USA Investment Video and audio equipment manufacturing Iriver Enterprise Ltd. Investment SK Square Co., Ltd. (*2.4) Korea Video and audio equipment manufacturing Iriver Enterprise Ltd. Investment MP3,4 production and sales Iriver Enterprise, Ltd. Iriver Enterprise, Ltd. Inver		USA		SKP America, LLC	100.00%
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SK Square Americas, Inc Dreamus Company Co., Ltd. (*2,4) Iriver Enterprise Ltd. Iriver China Co., Ltd. China Dongguan iriver Electronics Co., Ltd. Dapan Dapan goods sales Usa Hong Kong Dongguan iriver Electronics Co., Ltd. Dongguan iriver Enterprise, Ltd. Dongguan iriver Electronics Co., Ltd. Dongguan iriver Electron	N-INEL CUITURE & CONTENTS VENTURE Fund	Korea		SK Planet Co., Ltd.	59.00%
Dreamus Company Co., Ltd. (*2,4) Korea Video and audio equipment manufacturing SK Square Co., Ltd. 51.44%	SK Square Americas, Inc	USA		SK Square Co., Ltd.	100.00%
Iriver Enterprise Ltd. Hong Kong Iriver China Co., Ltd. Chinese subsidiary management Oriented China Co., Ltd. Dreamus Company Co., Ltd. 100.00% Iniver Enterprise, Ltd.		Korea			51.44%
Iriver China Co., Ltd. China MP3.4 production and sales Iriver Enterprise, Ltd. 100.00% Dongguan iriver Electronics Co., Ltd. China Electronic book production and sales Iriver Enterprise, Ltd. 100.00% Life Design Company Inc. Japan Japan goods sales Dreamus Company Co., Ltd. 100.00% Studio Dolphin Co., Ltd. Korea Publishing Dreamus Company Co., Ltd. 100.00% Id Quantique SA Quantum information and communication business SK Square Co., Ltd. SK Square Co., Ltd. 100.00% Id Quantique Ltd. Korea Quantum information and communication of communication in the communication of communication in the	Iriyar Enterprise Ltd	Han- V	<u> </u>	Draamus Company Co. 155	400.000/
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business	ld Quantique Ltd.	Korea	Quantum information and communication	ld Quantique SA	100.00%
			business		

				Equity
Subsidiaries	Domicile	Principal business activity	The largest shareholders	Ownership (*1)
ID Quantique Limited, UK	UK	Quantum information and communication	ld Quantique SA	100.00%
ID Quantique Inc, USA	USA	Quantum information and communication	ld Quantique SA	100.00%
FSK L&S Co., Ltd.	Korea	Cargo transport shipment and	SK Square Co., Ltd.	60.00%
FSK L&S (Shanghai) Co., Ltd.	China	logistics consulting project Transportation industry	FSK L&S Co., Ltd.	100.00%
FSK L&S(Hungary) Co., Ltd.	Hungary	Transportation industry	FSK L&S Co., Ltd.	100.00%
FSK L&S Vietnam Co., Ltd.	Vietnam	Transportation industry	FSK L&S Co., Ltd.	100.00%
FSK L&S (Jiangsu) Co., Ltd.	China	Transportation industry	FSK L&S Co., Ltd.	100.00%
Incross Co., Ltd. (*2)	Korea	Media agency	SK Square Co., Ltd.	34.60%
Infra Communications Co., Ltd. Mindknock Co., Ltd.	Korea Korea	Service operation business Software development	Incross Co., Ltd. Incross Co., Ltd.	100.00% 100.00%
Tmap Mobility Co., Ltd.	Korea	Mobility business	SK Square Co., Ltd.	66.26%
YLP Inc.	Korea	Cargo transport shipment business	Tmap Mobility Co., Ltd.	100.00%
Good service Co., Ltd.	Korea	Driving agency service	Tmap Mobility Co., Ltd.	100.00%
Seoul Airbus Co., Ltd.	Korea	Transportation industry	Tmap Mobility Co., Ltd.	100.00%
SK Networks Co., Ltd. (*2) SK Networks Service Co., Ltd.	Korea Korea	Distribution and trading business Equipment repair service	SK Inc. SK Networks Co., Ltd.	39.14% 86.50%
SK Magic Co., Ltd.	Korea	Household appliances manufacturing,	SK Networks Co., Ltd.	100.00%
-		sales and rent		
SK Magic Service Co., Ltd.	Korea	House appliances repair and others	SK Magic Co., Ltd.	100.00%
SK Magic Vietnam Company Limited	Vietnam	Household appliances sales and rent	SK Magic Co., Ltd.	100.00%
SK Magic Retails Malaysia Sdn. Bhd. (formerly, SK Networks Retails Malaysia Sdn. Bhd.)	Malaysia	Household appliances sales and rent	SK Magic Co., Ltd.	100.00%
SK Rent-a-Car Co., Ltd.	Korea	Car rental	SK Networks Co., Ltd.	72.95%
SK Rent-a-Car Service Co., Ltd.	Korea	Business support services	SK Rent-a-Car Co., Ltd.	100.00%
SK Networks (Shanghai) Co., Ltd.	China	Trading business	SK Networks Co., Ltd.	100.00%
POSK (Pinghu) Steel Processing Center Co., Ltd.	China	Steel processing and sales	SK Networks Co., Ltd.	80.00%
SK Networks Japan Co., Ltd.	Japan	Trading business	SK Networks Co., Ltd.	100.00%
SK Networks Deutschland GmbH	Germany	Trading business	SK Networks Co., Ltd.	100.00% 100.00%
SK BRASIL LTDA SK Networks Trading Malaysia Sdn Bhd	Brazil Malaysia	Trading business Trading business	SK Networks Co., Ltd. SK Networks Co., Ltd.	100.00%
SK Networks America, Inc.	USA	Trading business	SK Networks Co., Ltd.	100.00%
Networks Tejarat Pars	Iran	Trading business	SK Networks Co., Ltd.	100.00%
MINTIT Co., Ltd.	Korea	Manufacturing and sales business	SK Networks Co., Ltd.	100.00%
MINTIT VINA	Vietnam	Manufacturing and sales business	MINTIT Co., Ltd.	100.00%
Hico Capital LLC (formerly,TenX Capital) SK Networks Hong Kong Ltd.	USA Hong Kong	Investment Trading business	SK Networks Co., Ltd. SK Networks Co., Ltd.	100.00% 100.00%
SK Networks (Xiamen) Steel Processing Center Co., Ltd.	China	Steel processing and sales	SK Networks Hong Kong Ltd.	100.00%
SK Networks Resources Australia (Wyong) Pty Ltd. (*5)	Australia	Resource development	SK Networks Co., Ltd.	100.00%
SK Networks Resources Pty Ltd. (*5) SK Networks (China) Holdings Co., Ltd. (*5)	Australia China	Resource development Holding Company	SK Networks Co., Ltd. SK Networks Co., Ltd.	100.00% 100.00%
Shenyang SK Bus Terminal Co., Ltd. (*5)	China	Bus terminal business	SK Networks (China) Holdings Co., Ltd.	75.00%
SK Networks (Dandong) Energy Co., Ltd. (*5)	China	Petroleum sales	SK Networks (China) Holdings Co., Ltd.	100.00%
Cartini Co., Ltd. SKC Co., Ltd. (*2)	Korea Korea	E-commerce retail business Petrochemicals manufacturing	SK Networks Co., Ltd. SK Inc.	100.00% 40.64%
Woori Fine Chem Co., Ltd.	Korea	Wholesale of other chemicals	SKC Co., Ltd.	100.00%
Troom Time Crisin Co., Eta.	110.00	and chemicals	5.10 55., 214.	100.0070
SK Telesys Co., Ltd.	Korea	Sales of semiconductor parts,	SKC Co., Ltd.	81.40%
		materials and others		
Techdream Co., Ltd.	Hong Kong	Sales of semiconductor component	SK Telesys Co., Ltd.	100.00%
SK Telesys Corp. SKC Solmics Co., Ltd.	USA Korea	Sales of communication equipment Manufacturing and sales of semiconductor	SK Telesys Co., Ltd. SKC Co., Ltd.	100.00% 100.00%
Cito Commos Co., Etc.	Roica	parts, materials and others	510 50., Etd.	100.0070
Solmics Taiwan Co., Ltd.	Taiwan	Sales of semiconductor parts,	SKC Solmics Co., Ltd.	100.00%
Solmics Shanghai Co., Ltd.	China	materials and others Sales of semiconductor parts,	SKC Solmics Co., Ltd.	100.00%
Connics Changnar Co., Etc.	Cillia	materials and others	Sixo dollilica co., Eta.	100.0070
SKC Solmics Hong kong Co., Ltd.	Hong Kong	SPC	SKC Solmics Co., Ltd.	100.00%
SKC Semiconductor Materials (Wuxi) Co., Ltd.	China	Sales of semiconductor parts,	SKC Solmics Hong kong Co., Ltd.	100.00%
SKC-ENF Electronic Materials Ltd.	Hong Kong	materials and others	SKC Co., Ltd.	75.10%
SKC (Nantong) Semiconductor Materials Technology Co., Ltd.	China	Manufacturing of synthetic resins	SKC-ENF Electronic Materials Ltd.	100.00%
SE Electronic Materials LLC	China	Manufacturing of synthetic resins	SKC-ENF Electronic Materials Ltd.	100.00%
SKC (Jiangsu) High tech Plastics Co., Ltd.	China	PET film manufacturing	SKC Co., Ltd.	100.00%
SKC, Inc.	USA	PET film manufacturing	SKC Co., Ltd.	100.00%
SKC Europe GmbH	Germany	PET film manufacturing	SKC Co., Ltd.	100.00%
SKC Hi-Tech&Marketing Co., Ltd. SKC Hi-Tech&Marketing (Suzhou) Co., Ltd.	Korea China	PET film manufacturing PET film manufacturing and sales	SKC Co., Ltd. SKC Hi-Tech&Marketing Co., Ltd.	100.00% 100.00%
SKC Hi-Techamarketing (Suzhou) Co., Ltd. SKC Hi-Tech&Marketing Polska SP.Z.O.O	Poland	PET film sales	SKC Hi-Tech&Marketing Co., Ltd.	100.00%
SKC Hi-Tech&Marketing USA, LLC	USA	PET film sales	SKC Hi-Tech&Marketing Co., Ltd.	100.00%
SKC Hi-Tech&Marketing Vina Co., Ltd.	Vietnam	PET film sales	SKC Hi-Tech&Marketing Co., Ltd.	100.00%
SKC PU Specialty Co., Ltd.	Hong Kong	SPC	SKC Co., Ltd.	100.00%
SKC (Nantong) PU Specialty Co., Ltd.	China	PU Jounce Bumper	SKC PU Specialty Co., Ltd.	100.00%
SK PIC Global Co., Ltd.	Korea	manufacturing and sales PG and PO manufacturing and sales	SKC Co., Ltd.	51.00%
SKCFTH Co., Ltd.	Korea	Manufacturing of battery foil and others	SKC Co., Ltd.	100.00%
SK Nexilis Co., Ltd.	Korea	Manufacturing of battery foil and others	SKCFTH Co., Ltd.	100.00%
Nexilis Management Malaysia Sdn. Bhd. SK Nexilis Malaysia Sdn. Bhd.	Malaysia Malaysia	SPC Manufacturing of battery foil	SK Nexilis Co., Ltd. Nexilis Management Malaysia Sdn. Bhd.	100.00% 100.00%
SK Nexilis Poland sp.z o.o.	Poland	Manufacturing of battery foil	SK Nexilis Co., Ltd.	100.00%
SK TBMGEOSTONE Co., Ltd. Allnewone Co., Ltd.	Korea Korea	Manufacturing of biodegradable LIMEX Research and development	SKC Co., Ltd. SKC Co., Ltd.	51.00% 100.00%
	Notea	of waste recycling	5.13 30., Etc.	100.00 /6
Ecovance Co. Ltd.	Korea	Manufacturing of biodegradable	SKC Co., Ltd.	73.19%
SK pucore Co., Ltd. (*2)	Korea	plastic materials and others Manufacturing and sales of Polyol	SKC Co., Ltd.	50.00%
(formerly, Mitsui Chemicals & SKC Polyurethanes Inc.)				
Beijing SK pucore Inc. (formerly, Beijing Mitsui Chemicals & SKC Polyurethanes Co., Ltd.)	China	Manufacturing and sales of Polyol	SK pucore Co., Ltd.	100.00%
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1.2 Consolidated subsidiaries (C	ont'a)			- "
				Equity ownership
Subsidiaries SK pucore Europe sp. zo.o.	<u>Domicile</u> Poland	Principal business activity Manufacturing and sales of Polyol	The largest shareholders SK pucore Co., Ltd.	(*1) 100.00%
(formerly, MCNS Polyurethanes Europe Sp. zo. o.)			•	
SK pucore USA Inc. (formerly, MCNS Polyurethanes USA Inc.)	USA	Manufacturing and sales of Polyol	SK pucore Co., Ltd.	100.00%
SK pucore Mexico, S. de R.L. de C.V. (formerly, MCNS Polyurethanes Mexico, S. de R.L. de C.V.)	Mexico	Manufacturing and sales of Polyol	SK pucore Co., Ltd.	100.00%
SK pucore India Pvt. Ltd.	India	Manufacturing and sales of Polyol	SK pucore Co., Ltd.	100.00%
(formerly, MCNS Polyurethanes India Private Limited) SK pucore RUS LLC	Russia	Manufacturing and sales of Polyol	SK pucore Co., Ltd.	100.00%
(formerly, MCNS Polyurethanes RUS Limited Liability Company)			•	
NEX Investment Limited NEX UK Holdings Limited.	UK UK	SPC SPC	SKC Co., Ltd. NEX Investment Limited	80.01% 51.00%
SK E&S Co., Ltd.	Korea	City gas business	SK Inc.	90.00%
Kangwon City Gas Co., Ltd. Yeongnam Energy Service Co., Ltd.	Korea Korea	City gas business City gas business	SK E&S Co., Ltd. SK E&S Co., Ltd.	100.00% 100.00%
Ko-one Energy Service Co., Ltd.	Korea	City gas business	SK E&S Co., Ltd.	100.00%
Narae Energy Service Co., Ltd. Pusan City Gas Co., Ltd.	Korea Korea	Integrated energy service City gas business	SK E&S Co., Ltd. SK E&S Co., Ltd.	100.00% 100.00%
Jeonbuk Energy Service Co., Ltd.	Korea	City gas business	SK E&S Co., Ltd.	100.00%
Chonnam City Gas Co., Ltd. Chungcheong Energy Service Co., Ltd.	Korea Korea	City gas business City gas business	SK E&S Co., Ltd. SK E&S Co., Ltd.	100.00% 100.00%
Paju Energy Service Co., Ltd.	Korea	Energy business	SK E&S Co., Ltd.	51.00%
Yeoju Energy Service Co., Ltd. Shinanjeungdo Sunlight Co., Ltd.	Korea Korea	Energy business New regeneration project	SK E&S Co., Ltd. SK E&S Co., Ltd.	100.00% 100.00%
SK E&S Hong Kong Co., Ltd.	Hong Kong Australia	City gas business	SK E&S Co., Ltd., Pusan City Gas Co., Ltd.	100.00% 100.00%
SK E&S Australia Pty. Ltd. SK E&S Americas, Inc.	USA	Resource development Holding Company	SK E&S Co., Ltd. SK E&S Co., Ltd.	100.00%
DewBlaine Energy, LLC	USA	Resource development	SK E&S Americas, Inc.	100.00%
CAILIP Gas Marketing, LLC Passkey, Inc.	USA USA	LNG business New regeneration project	SK E&S Americas, Inc. SK E&S Americas, Inc.	100.00% 100.00%
Mobility Solution I Inc.	USA USA	Holding Company	Passkey, Inc.	90.92%
Mobility Solution II Inc. EverCharge, Inc.	USA	Holding Company Software development	Mobility Solution I Inc. Mobility Solution II Inc.	100.00% 100.00%
EverCharge Services, LLC	USA	Electricity business and other electric	EverCharge, Inc.	100.00%
LNG Americas, Inc.	USA	wire installation business LNG business	SK E&S Americas, Inc.	100.00%
LAI LNG, LLC (formerly, SK E&S LNG, LLC)	USA	LNG business	LNG Americas, Inc.	100.00%
LAI CCS, LLC	USA	Carbon capture and storage Related investment projects	LNG Americas, Inc.	100.00%
Rnes Holdings, LLC Grid Solution, LLC	USA	Renewable / electric power business New regeneration business	SK E&S Americas, Inc.	100.00% 100.00%
Key Capture Energy, LLC	USA USA	Energy solution	Rnes Holdings, LLC Grid Solution, LLC	97.52%
KCE Global Holdings, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE PF Holdings 2021, LLC KCE LAND Holdings, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE NY 1, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE NY 2, LLC KCE NY 3, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE NY 5, LLC	USA USA	Energy solution	Key Capture Energy, LLC	100.00% 100.00%
KCE NY 6, LLC KCE NY 8, LLC	USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00%
KCE NY 10, LLC	USA USA	Energy solution	Key Capture Energy, LLC	100.00% 100.00%
KCE NY 11, LLC KCE NY 12, LLC	USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00%
KCE NY 14, LLC KCE NY 18, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE NY 19, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE NY 21, LLC KCE NY 22, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE NY 25, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE NY 26, LLC KCE NY 27, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE NY 28, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE NY 29, LLC KCE NY 32, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE NY 33, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE TX 2, LLC KCE TX 7, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE TX 8, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE TX 9, LLC KCE TX 10, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE TX 11, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE TX 12, LLC KCE TX 13, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE TX 14, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE TX 15, LLC KCE TX 16, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE TX 17, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE TX 19, LLC KCE TX 20, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE TX 21, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE TX 22, LLC KCE TX 24, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE TX 25, LLC	USA USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE TX 26, LLC KCE TX 27, LLC	USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE TX 28, LLC	USA USA	Energy solution	Key Capture Energy, LLC	100.00% 100.00%
KCE CT 1, LLC KCE CT 2, LLC	USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00%
KCE CT 4, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE CT 5, LLC KCE CT 6, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE CT 7, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE CT 9, LLC KCE CT 10, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE MD 1, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE MI 1, LLC KCE MI 2, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE MI 3, LLC KCE ME 1, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC	100.00% 100.00%
NOE WIL 1, LEO	USA	Energy solution	Key Capture Energy, LLC	100.00%

				Equity ownership
Subsidiaries	Domicile	Principal business activity	The largest shareholders	(*1)
KCE IL 1, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE IL 2, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE IN 1, LLC KCE IN 2, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE IN 3, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE OK 1, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE OK 2, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE OK 3, LLC KCE OK 4, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00% 100.00%
KCE OK 4, LLC KCE Brushy Creek Holdings, LLC	USA	Energy solution	Key Capture Energy, LLC Key Capture Energy, LLC	100.00%
KCE Texas Holdings 2020, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
Roughneck Storage LLC D/B/A KCE TX 23, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE Market Operations, LLC	USA	Energy solution	Key Capture Energy, LLC	100.00%
KCE PF Holdings 2022, LLC Grid Solution II, LLC	USA USA	Energy solution Energy solution	Key Capture Energy, LLC Rnes Holdings, LLC	100.00% 100.00%
Pnes Investments, LLC	USA	Energy solution	SK E&S Americas, Inc.	100.00%
Prism Energy International China Limited.	China	LNG business	SK E&S Co., Ltd.	100.00%
Prism Energy International Zhoushan Limited.	China	LNG business	Prism Energy International China Limited.	100.00%
Prism Energy International Pte. Ltd.	Singapore	LNG business	SK E&S Co., Ltd.	100.00%
Fajar Energy International Pte. Ltd. Prism Energy International Hong Kong, Ltd.	Singapore Hong Kong	LNG business LNG business	Prism Energy International Pte. Ltd. Prism Energy International Pte. Ltd.	100.00% 100.00%
Prism Darwin Pipeline Pty. Ltd.	Australia	LNG business	Prism Energy International Pte, Ltd.	100.00%
PT Prism Nusantara International	Indonesia	LNG business	SK E&S Co., Ltd.	100.00%
SK E&S Dominicana S.R.L	Dominica	LNG business	SK E&S Co., Ltd.	100.00%
Hae-Ssal Solar Power Co., Ltd.	Korea	New regeneration project	SK E&S Co., Ltd.	100.00%
Prism DLNG Pte. Ltd. BU12 Australia Pty. Ltd.	Singapore Australia	LNG business LNG business	SK E&S Co., Ltd. SK E&S Co., Ltd.	100.00% 100.00%
BU13 Australia Pty. Ltd.	Australia	LNG business	SK E&S Co., Ltd.	100.00%
Energy Solution Holdings Inc.	USA	Investment	SK E&S Co., Ltd.	100.00%
Ariul Solar Power Co., Ltd.	Korea	New regeneration project	SK E&S Co., Ltd.	100.00%
Busan Jungkwan Energy Co., Ltd.	Korea	Integrated energy service	SK E&S Co., Ltd.	100.00%
IGE Co., Ltd.	Korea Korea	Hydrogen business	SK E&S Co., Ltd.	100.00% 100.00%
Dangjin Haengbok Solar Co., Ltd. Busaho haengboknanum solar Co., Ltd.	Korea	New regeneration business New regeneration business	SK E&S Co., Ltd. SK E&S Co., Ltd.	70.00%
SK Ecoplant Co., Ltd. (*2)	Korea	Construction	SK Inc.	44.48%
Seosuwon Development Company (*2)	Korea	Real estate development	SK Ecoplant Co., Ltd.	19.90%
		and construction		
SKEC Nanjing Co., Ltd.	China	Construction	SK Ecoplant Co., Ltd.	100.00% 100.00%
Changzhou SKY New Energy Co., Ltd. SKEC (Thai), Ltd.	China Thailand	Investment Construction	SKEC Nanjing Co., Ltd. SK Ecoplant Co., Ltd.	100.00%
Thai Woo Ree Engineering Co., Ltd.	Thailand	Construction	SKEC (Thai), Ltd.	99.77%
SKEC Anadolu EC, LLC	Turkey	Construction	SK Ecoplant Co., Ltd.	100.00%
SK E&C Betek Corporation	USA	Real estate development and construction	SK Ecoplant Co., Ltd.	100.00%
Mesa Verde RE Ventures, LLC	USA	Real estate development	SK E&C Betek Corporation	100.00%
BT FC LLC SKEC Consultores Ecquador, S.A	USA Ecuador	Construction Construction	SK E&C Betek Corporation SK Ecoplant Co., Ltd.	100.00% 100.00%
Sunlake Co., Ltd.	Canada	Construction	SK Ecoplant Co., Ltd.	100.00%
SK HOLDCO PTE. LTD.	Singapore	Investment	SK Ecoplant Co., Ltd.	63.51%
Silvertown Investco Limited.	ÚK	Construction	SK Ecoplant Co., Ltd.	100.00%
Seongju Tech Co., Ltd.	Korea	Machinery manufacturing	SK Ecoplant Co., Ltd.	100.00%
DDS Co., Ltd. Samwon ENT Co., Ltd.	Korea Korea	Disposal of waste Disposal of waste	SK Ecoplant Co., Ltd. SK Ecoplant Co., Ltd.	100.00% 100.00%
Environment Management Corporation Co., Ltd.	Korea	Environmental facility operation project	SK Ecoplant Co., Ltd.	100.00%
YS TEC Co., Ltd.	Korea	Waste incineration	Environment Management Corporation Co., Ltd.	100.00%
Seonam Environment Energy Co., Ltd.	Korea	Waste incineration	Environment Management Corporation Co., Ltd.	100.00%
Honam Environmental Energy Co., Ltd.	Korea	Waste incineration	Environment Management Corporation Co., Ltd.	100.00%
Green Hwasun Inc. Green Sunchang Co., Ltd.	Korea Korea	Operation of sewage treatment plant Operation of sewage treatment plant	Environment Management Corporation Co., Ltd. Environment Management Corporation Co., Ltd.	100.00% 100.00%
Gyeongsan Clear Mulgil Co., Ltd.	Korea	Operation of sewage treatment plant	Environment Management Corporation Co., Ltd.	100.00%
Dalseong Maleunmulgil Co., Ltd.	Korea	Operation of sewage treatment plant	Environment Management Corporation Co., Ltd.	100.00%
Goksung Environment Co., Ltd.	Korea	Operation of sewage treatment plant	Environment Management Corporation Co., Ltd.	100.00%
Chungcheong Environment Energy Co., Ltd.	Korea	Waste incineration	Environment Management Corporation Co., Ltd.	100.00%
Gyeonggi Environment Energy Co., Ltd. Gyeongbuk Environment Energy Co., Ltd.	Korea Korea	Waste incineration Waste incineration	Environment Management Corporation Co., Ltd. Environment Management Corporation Co., Ltd.	100.00% 100.00%
Gyeongin Environment Energy Company	Korea	Waste incineration	Environment Management Corporation Co., Ltd.	100.00%
Saehan Environment Co., Ltd.	Korea	Disposal of waste	SK Ecoplant Co., Ltd.	100.00%
Daewon Green Energy Co., Ltd.	Korea	Disposal of waste	SK Ecoplant Co., Ltd.	100.00%
Daewon Hi-Teck Co., Ltd.	Korea	Construction waste collection	Daewon Green Energy Co., Ltd.	100.00%
KS Investment B.V.	Netherlands	and transportation Investment	SK Ecoplant Co., Ltd.	72.51%
E-MEDI One Co., Ltd.	Korea	Disposal of waste	SK Ecoplant Co., Ltd.	100.00%
Emedione Logis Co., Ltd.	Korea	Designated waste collection	E-MEDI One Co., Ltd.	100.00%
07. 5		and transportation	01/5 1 10 111	400.000
City Environment Co., Ltd. Green Environment Technology Co. ,Ltd.	Korea Korea	Disposal of waste Disposal of waste	SK Ecoplant Co., Ltd.	100.00% 100.00%
DongNam Offshore Windfarm Co. Ltd	Korea Korea	Power generation	SK Ecoplant Co., Ltd. SK Ecoplant Co., Ltd.	100.00%
Gangdong Green Complex Co. ,Ltd.	Korea	Disposal of waste	SK Ecoplant Co., Ltd.	86.63%
JA GREEN Co., Ltd.	Korea	Disposal of waste	SK Ecoplant Co., Ltd.	100.00%
Eco Frontier (Singapore) Pte. Ltd.	Singapore	Investment	SK Ecoplant Co., Ltd.	100.00%
Tes-Envirocorp Pte. Ltd.	Singapore	E-waste processing industry	Eco Frontier (Singapore) Pte. Ltd.	100.00%
Tes-Amm (H.K.) Limited	Hong Kong	E-waste processing industry	Tes-Envirocorp Pte. Ltd.	100.00%
Tes-Amm (Singapore) Pte. Ltd.	Singapore	E-waste processing industry	Tes-Envirocorp Pte. Ltd.	100.00%
Tes-Amm Europe Holdings Ltd. Tes Total Environmental Solution Ab	UK Sweden	Investment E-waste processing industry	Tes-Amm (Singapore) Pte. Ltd. Tes-Amm Europe Holdings Ltd.	100.00% 100.00%
Tes-Amm Italia Srl	Italy	E-waste processing industry	Tes-Amm Europe Holdings Ltd.	100.00%
Tes-Amm UK Ltd.	UK	E-waste processing industry	Tes-Amm Europe Holdings Ltd.	100.00%
Tes-Amm Espana Asset Recovery Andrecycling, S.L.	Spain	E-waste processing industry	Tes-Amm Europe Holdings Ltd.	100.00%
Tes-Amm SAS	France	E-waste processing industry	Tes-Amm Europe Holdings Ltd.	100.00%
Tes Recupyl Tes-Amm Central Europe Gmbh	France Germany	E-waste processing industry E-waste processing industry	Tes-Amm SAS Tes-Amm Europe Holdings Ltd.	90.00% 100.00%
Vsl Support Limited	UK	E-waste processing industry	Tes-Amm Europe Holdings Ltd. Tes-Amm Europe Holdings Ltd.	100.00%
Technology Supplies International Ltd.	UK	E-waste processing industry	Tes-Amm Europe Holdings Ltd.	100.00%
Goldberg Enterprises Ltd.	UK	E-waste processing industry	Technology Supplies International Ltd.	100.00%
Tes Consumer Solutions Ltd.	UK	E-waste processing industry	Tes-Amm Europe Holdings Ltd.	100.00%
Integrations Et Services Tes-Amm (Europe) Ltd.	France UK	E-waste processing industry E-waste processing industry	Tes-Amm Europe Holdings Ltd. Tes-Amm Europe Holdings Ltd.	100.00% 100.00%
Redeem UK Limited	UK	E-waste processing industry	Tes-Amm Europe Holdings Ltd. Tes-Amm Europe Holdings Ltd.	100.00%
Redeem Holdings Limited	ÜK	E-waste processing industry	Tes-Amm Europe Holdings Ltd.	100.00%
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				Equity
Subsidiaries	Domicile	Principal business activity	The largest shareholders	ownership (*1)
Custom Controllers UK Limited	UK	E-waste processing industry	Tes-Amm Europe Holdings Ltd.	100.00%
Envirofone Limited	UK	E-waste processing industry	Tes-Amm Europe Holdings Ltd.	100.00%
Cash For Tech Ltd. Stock Must Go Limited	UK UK	E-waste processing industry E-waste processing industry	Tes-Amm Europe Holdings Ltd. Tes-Amm Europe Holdings Ltd.	100.00% 100.00%
Tes China Holdings Pte. Ltd.	Virgin Island	Investment	Tes-Amm (Singapore) Pte. Ltd.	100.00%
Tes-Amm Corporation (China) Ltd.	China	E-waste processing industry	Tes China Holdings Pte. Ltd.	100.00%
Tes-Amm (Beijing) Co., Ltd.	China	E-waste processing industry	Tes-Amm Corporation (China) Ltd.	80.00%
Tes-Amm (Suzhou) E-Waste Solutions Co., Ltd.	China	E-waste processing industry	Tes-Amm Corporation (China) Ltd.	100.00%
Tes-Amm (Guangzhou) Co., Ltd. Shanghai Tes-Amm Waste Products Recycle Co., Ltd.	China China	E-waste processing industry E-waste processing industry	Tes-Amm Corporation (China) Ltd. Tes-Amm Corporation (China) Ltd.	100.00% 100.00%
Shanghai Taixiang Network Technology Co., Ltd.	China	E-waste processing industry	Shanghai Tes-Amm Waste Products Recycle Co., Ltd.	100.00%
Tes-Amm Australia Pty Ltd.	Australia	E-waste processing industry	Tes-Envirocorp Pte. Ltd.	100.00%
Tes-Amm New Zealand Limited	New Zealand	E-waste processing industry	Tes-Amm Australia Pty Ltd.	100.00%
Sustainable Product Stewards Pty Ltd. Tes-Amm Japan K.K.	Australia Japan	E-waste processing industry E-waste processing industry	Tes-Amm Australia Pty Ltd. Tes-Envirocorp Pte. Ltd.	80.00% 80.00%
Advanced Datacom (Australia) Pty Ltd.	Australia	E-waste processing industry	Tes-Envirocorp Pte. Ltd.	100.00%
Green Technology Management Pty Ltd.	Australia	E-waste processing industry	Advanced Datacom (Australia) Pty Ltd.	100.00%
Tes-Amm (Malaysia) Sdn. Bhd.	Malaysia	E-waste processing industry	Tes-Envirocorp Pte. Ltd.	100.00%
Tes-Amm Korea Inc.	Korea	E-waste processing industry	Tes-Envirocorp Pte. Ltd.	55.00%
Tes-Amm (Taiwan) Co., Ltd. Tes-Amm (Vietnam) Co., Ltd.	Taiwan Vietnam	E-waste processing industry E-waste processing industry	Tes-Envirocorp Pte. Ltd. Tes-Envirocorp Pte. Ltd.	70.00% 100.00%
Total Environmental Solutions Co., Ltd.	Thailand	E-waste processing industry	Tes-Envirocorp Pte. Ltd.	98.00%
Tes-Amm (Cambodia) Co., Ltd.	Cambodia	E-waste processing industry	Tes-Envirocorp Pte. Ltd.	100.00%
Pt. Tes-Amm Indonesia	Indonesia	E-waste processing industry	Tes-Envirocorp Pte. Ltd.	66.90%
Tes-Amm Middle East Fze	UAE	E-waste processing industry	Tes-Envirocorp Pte. Ltd.	100.00%
Pc Off Corporation Tes USA, Inc.	Japan USA	E-waste processing industry E-waste processing industry	Tes-Envirocorp Pte. Ltd. Tes-Envirocorp Pte. Ltd.	97.56% 100.00%
Genplus Pte. Ltd.	Singapore	E-waste processing industry	Tes-Envirocorp Pte. Ltd.	60.17%
Tes Sustainability Products Pte. Ltd.	Singapore	E-waste processing industry	Tes-Envirocorp Pte. Ltd.	100.00%
Tes Energy Solutions Pte. Ltd.	Singapore	E-waste processing industry	Tes-Envirocorp Pte. Ltd.	100.00%
Tes Ess Pte. Ltd.	Singapore	E-waste processing industry	Tes Energy Solutions Pte. Ltd.	100.00% 100.00%
Tes B Pte. Ltd. Tes Sustainable Battery Solutions B.V.	Singapore Netherland	E-waste processing industry E-waste processing industry	Tes Energy Solutions Pte. Ltd. Tes Energy Solutions Pte. Ltd.	100.00%
Tes Sustainable Battery Solutions B.V. Tes Sustainable Battery Solutions Gmbh	Germany	E-waste processing industry	Tes Energy Solutions Pte. Ltd.	100.00%
SK Specialty Co., Ltd. (formerly, SK Materials Co., Ltd.)	Korea	Special gas manufacturing and sales	SK Inc.	100.00%
SK Specialty Japan Co., Ltd. (formerly, SK Materials Japan Co., Ltd.)	Japan	Special gas sales	SK Specialty Co., Ltd.	95.00%
SK Specialty Taiwan Co., Ltd. (formerly, SK Materials Taiwan Co., Ltd.		Special gas sales	SK Specialty Co., Ltd.	100.00%
SK Specialty Jiangsu Co., Ltd. (formerly, SK Materials Jiangsu Co., Lt SK Specialty (Xian) Co., Ltd. (formerly, SK Materials (Xian) Co., Ltd.)	d.) China China	Special gas manufacturing and sales Trading business and	SK Specialty Co., Ltd. SK Specialty Co., Ltd.	100.00% 100.00%
or opecially (Mari) 60., Etc. (formerly, or waterials (Mari) 60., Etc.)	Offilia	warehouse operation	on opecially 60., Etc.	100.0070
SK Specialty (Shanghai) Co., Ltd.	China	Special gas salses	SK Specialty Co., Ltd.	100.00%
. (formerly,SK Materials (Shanghai) Co., Ltd.)				
Happy Companion Co., Ltd.	Korea	Cleaning and laundry service	SK Specialty Co., Ltd.	100.00%
SK Tri Chem Co., Ltd.	Korea	Manufacturing and sales of	SK Inc.	65.00%
SK Showa Denko Co., Ltd.	Korea	precursors and others Sales of raw chemical materials and	SK Inc.	51.00%
on one a pointe con, etc.	110104	chemical products related to	511 1115	01.0070
		semiconductor		
SK Materials Airplus Inc.	Korea	Industrial gas sales	SK Inc.	100.00%
SK Materials Renewtech Co., Ltd. SK Materials Performance Co., Ltd.	Korea Korea	Manufacturing industrial gas Semiconductor materials	SK Inc. SK Inc.	80.00% 100.00%
ok waterials i enormance co., Etc.	Notea	manufacturing and selling	or ne.	100.0070
SK Materials JNC Co., Ltd.	Korea	Manufacturing of organic	SK Inc.	51.00%
		light emitting diode material		
SK JNC Japan Co,. Ltd.	Japan	Manufacturing of organic	S K Materials JNC Co., Ltd.	100.00%
SK Materials Group14 Co., Ltd.	Korea	light emitting diode material Manufacturing	SK Inc.	75.00%
SK Siltron Co., Ltd.	Korea	Silicon wafer for electronic industry	SK Inc.	51.00%
		manufacturing and sales		
SK Siltron America, Inc.	USA	Silicon wafer for electronic industry	SK Siltron Co., Ltd.	100.00%
01/ 03/1		manufacturing and sales	01/ 01/1 0 111	100.000/
SK Siltron Japan, Inc.	Japan	Silicon wafer for electronic industry manufacturing and sales	SK Siltron Co., Ltd.	100.00%
SK Siltron Shanghai Co., Ltd.	China	Silicon wafer for electronic industry	SK Siltron Co., Ltd.	100.00%
SK Siltron USA, Inc.	USA	Investment	SK Siltron Co., Ltd.	100.00%
SK Siltron CSS, LLC	USA	Silicon wafer for electronic industry	SK Siltron USA, Inc.	100.00%
SK Siltron CSS Korea Co., Ltd.	Va	manufacturing and sales	SIX Siltran CSS 11 C	100.000
SK Sittron CSS Korea Co., Ltd. Happyfilling Co., Ltd.	Korea Korea	Wholesale and retail trade Service	SK Siltron CSS, LLC SK Siltron Co., Ltd.	100.00% 100.00%
Teraon Co., Ltd.	Korea	Manufacturing and service	SK Siltron Co., Ltd.	80.40%
SK Biopharmaceuticals Co., Ltd.	Korea	Medicine and life science	SK Inc.	64.02%
SK Life Science, Inc.	USA	Life science	SK Biopharmaceuticals Co., Ltd.	100.00%
SK Bio-Pharma Tech (Shanghai) Co., Ltd. SK S.E.Asia Pte. Ltd.	China	Life science	SK Biopharmaceuticals Co., Ltd.	100.00% 100.00%
SK S.E.Asia Pte. Ltd. Essencore Limited	Singapore Hong Kong	Investment Manufacturing and distribution of	SK Inc. SK S.E.Asia Pte. Ltd.	100.00%
	og rong	semiconductor modules		. 55.5570
Essencore (ShenZhen) Limited	China	Consulting for computer	Essencore Limited	100.00%
CK Ohina Cannana Ltd		System interation	OK In-	00.4001
SK China Company, Ltd. SK Bio Energy Hong Kong Co., Ltd.	Hong Kong Hong Kong	Consulting and investment Biomass electricity generation	SK Inc. SK China Company, Ltd.	88.13% 69.40%
SK Property Investment Management Co., Ltd.	Hong Kong	Real estate investment	SK China Company, Ltd.	100.00%
SK Industrial Development China Co., Ltd.	Hong Kong	Investment	SK China Company, Ltd.	100.00%
Shanghai SKY Real Estate Development Co., Ltd.	China	Real estate investment	SK Industrial Development China Co., Ltd.	100.00%
Beijing Lizhi Weixin Technology Co., Ltd.	China	Investment	SK China Company, Ltd.	100.00%
SK China Investment Management Co., Ltd. SK Networks (Liaoning) Logistics Co., Ltd.	Hong Kong China	Real estate investment Logistics	SK China Company, Ltd. SK China Investment Management Co., Ltd.	100.00% 100.00%
SK International Agro-Products Logistics Development Co., Ltd.	Hong Kong	Agriculture product logistics	SK China Investment Management Co., Ltd. SK China Investment Management Co., Ltd.	100.00%
SK International Agro-Sideline Products Park Co., Ltd.	China	Agriculture product logistics	SK International Agro-Products Logistics	100.00%
•			Development Co., Ltd.	
SK Auto Service Hong Kong Co., Ltd.	Hong Kong	Holding Company	SK China Company, Ltd.	100.00%
Skyline Auto Financial Leasing Co., Ltd. SK Financial Leasing Co., Ltd.	Hong Kong China	Investment Financial lease	SK Auto Service Hong Kong Co., Ltd. SK Auto Service Hong Kong Co., Ltd.	100.00% 100.00%
SK China (Beijing) Co., Ltd.	China	Consulting	SK China Company, Ltd.	100.00%
SKY Property Management Ltd.	Virgin	Investment	SK China Company, Ltd.	100.00%
CK Ohina Baal Estata Ca. 144	Islands	Deal actor investor :	CIO/ P	400.000
SK China Real Estate Co., Ltd. SKY Investment Co., Ltd.	Hong Kong China	Real estate investment Real estate management	SKY Property Management Ltd. SK China Company, Ltd.	100.00% 100.00%
ONT INVOSUITORI CO., Etc.	Onlina	roa ssiate management	on online company, Etc.	100.00 /0

				Equity ownership
Subsidiaries	Domicile	Principal business activity	The largest shareholders	(*1)
SKY (Zhuhai Hengqin) Technology Co., Ltd. SK C&C Beijing Co., Ltd.	China China	Investment Consulting for computer	SK China Company, Ltd. SK Inc.	100.00% 100.00%
SK C&C Chengdu Co., Ltd.	China	Consulting for computer system integration and others	SK C&C Beijing Co., Ltd.	100.00%
SK C&C India Pvt. Ltd.	India	Consulting for computer system integration and others	SK Inc.	100.00%
SK C&C USA, Inc.	USA	Consulting for computer system integration and others	SK Inc.	100.00%
S&G Technology	Saudi Arabia	Consulting for computer system integration and others	SK Inc.	51.00%
Saturn Agriculture Investment Co., Ltd.	Hong Kong	Investment	SK Inc.	81.00%
SK Investment Management Co., Ltd.	Hong Kong	Investment	SK Inc.	100.00%
SK Mobility Investments Company Limited SK Semiconductor Investments Co., Ltd.	Hong Kong Hong Kong	Investment Investment management	SK Investment Management Co., Ltd. SK Investment Management Co., Ltd.	100.00% 100.00%
Gemini Partners Pte. Ltd.	Singapore	Consulting	SK Inc., SK Innovation Co., Ltd. SK Telecom Co., Ltd., and SK E&S Co., Ltd.	80.00%
Solaris Partners Pte. Ltd.	Singapore	Consulting	Gemini Partners Pte. Ltd.	100.00%
Solaris GEIF Investment SK GI Management	USA Cayman	Investment Investment	Solaris Partners Pte. Ltd. SK Inc.	100.00% 100.00%
Plutus Capital NY, Inc.	USA	Investment	SK Inc.	100.00%
Hudson Energy NY, LLC	USA	Investment	Plutus Capital NY, Inc.	50.13%
Hudson Energy NY II, LLC	USA	Investment	Plutus Capital NY, Inc.	50.00%
Hudson Energy NY III, LLC Grove Energy Capital LLC	USA USA	Investment Investment	Plutus Capital NY, Inc. Plutus Capital NY, Inc., Pnes Investments, LLC	50.50% 100.00%
Plutus Capital NY II, Inc	USA	Investment	SK Inc.	100.00%
Grove Energy Capital II, LLC	USA	Investment	Plutus Capital NY II, Inc.	100.00%
Plutus Capital NY III, Inc	USA	Investment	SK Inc. Plutus Capital NY III, Inc.	100.00%
Grove Energy Capital III, LLC Plutus Fashion NY, Inc.	USA USA	Investment Fashion	SK Inc.	50.10% 100.00%
Wonderland NY, Inc.	USA	Investment	Plutus Fashion NY, Inc.	100.00%
Atlas NY, LLC	USA	Investment	Plutus Fashion NY, Inc.	61.24%
SK South East Asia Investment Pte. Ltd.	Singapore	Investment	SK Inc., SK Innovation Co., Ltd.,	80.00%
SK Investment Vina I Pte. Ltd.	Singapore	Investment	SK Telecom Co., Ltd. and SK E&S Co., Ltd. SK South East Asia Investment Pte. Ltd.	50.01%
SK Investment Vina II Pte. Ltd.	Singapore	Investment	SK South East Asia Investment Pte. Ltd.	50.01%
SK Investment Vina III Pte. Ltd.	Singapore	Investment	SK South East Asia Investment Pte. Ltd.	100.00%
MSN Investment Pte. Ltd. Imexpharm Corporation	Singapore Vietnam	Investment Pharmaceutical manufacturing	SK Investment Vina III Pte. Ltd. SK Investment Vina III Pte. Ltd.	100.00% 63.63%
Linh Nam Ventures JSC (*2)	Vietnam	Investment	SK Investment Vina III Pte. Ltd.	34.90%
Lien Khuong Internatonal JSC	Vietnam	Investment	SK Investment Vina III Pte. Ltd.	100.00%
Dong Kinh Capital JSC Lac Son Investment JSC	Vietnam Vietnam	Investment Investment	SK Investment Vina III Pte. Ltd. SK Investment Vina III Pte. Ltd.	100.00% 100.00%
KBA Investment Joint Stock Company	Vietnam	Investment	Lac Son Investment JSC	100.00%
Cong Thang Alpha JSC (*2)	Vietnam	Investment	SK Investment Vina III Pte. Ltd.	34.90%
Eastern Vision Investment JSC	Vietnam	Investment	SK Investment Vina III Pte. Ltd.	100.00%
Truong Luu Chi Invest JSC An Nam Phu Investment JSC	Vietnam Vietnam	Investment Investment	SK Investment Vina III Pte. Ltd. SK Investment Vina III Pte. Ltd.	100.00% 100.00%
Zion Son Kim JSC	Vietnam	Investment	SK Investment Vina III Pte. Ltd.	100.00%
Sunrise Kim Investment Joint Stock Company	Vietnam	Investment	Zion Son Kim JSC	100.00%
SK Investment Vina V Pte. Ltd.	Singapore	Investment	SK South East Asia Investment Pte. Ltd.	100.00%
SK Investment Vina VI Pte. Ltd. SK Investment Vina IV Pte. Ltd.	Singapore Singapore	Investment Investment	SK South East Asia Investment Pte. Ltd. SK South East Asia Investment Pte. Ltd.	100.00% 100.00%
SK Malaysia Investment I Pte. Ltd.	Singapore	Investment	SK South East Asia Investment Pte. Ltd.	100.00%
Lotus Fund, L.P.	Cayman	Investment	SK South East Asia Investment Pte. Ltd.	95.00%
SK Pharmteco Inc. SK Biotek Co., Ltd.	USA Korea	Investment Drug medicine	SK Inc. SK Pharmteco Inc.	100.00% 100.00%
SK BIOTEK IRELAND LIMITED	Ireland	Pharmaceutical manufacturing	SK Pharmteco Inc.	100.00%
SK BIOTEK USA, Inc.	USA	Medicine and life science	SK Pharmteco Inc.	100.00%
Crest Acquisition LLC Yposkesi, SAS	USA	Investment Medicine manufacturing	SK Pharmteco Inc.	100.00%
Abrasax Investment Inc.	France USA	Investment	Crest Acquisition LLC SK Pharmteco Inc.	70.07% 100.00%
Fine Chemicals Holdings Corp.	USA	Investment	Abrasax Investment Inc.	100.00%
AMPAC Fine Chemicals, LLC	USA	Drug medicine	Fine Chemicals Holdings Corp.	100.00%
AMPAC Fine Chemicals Texas, LLC AMPAC Fine Chemicals Virginia, LLC	USA USA	Drug medicine Drug medicine	AMPAC Fine Chemicals, LLC AMPAC Fine Chemicals, LLC	100.00% 100.00%
Golden Pearl EV Solutions Limited	Hong Kong	Investment	SK Inc.	100.00%
Socar Mobility Malaysia, Sdn. Bhd.	Malaysia	Car sharing service	SK Inc.	83.51%
Future Mobility Solutions Sdn. Bhd. PT Future Mobility Solutions	Malaysia Indonesia	Online brokerage services for car rental Online brokerage services for car rental	Socar Mobility Malaysia, Sdn. Bhd. Socar Mobility Malaysia, Sdn. Bhd.	100.00%
Einstein Cayman Limited	Cayman	Investment	SK Inc.	100.00% 100.00%
I Cube Capital Inc.	USA	Investment	SK Inc.	100.00%
I Cube Capital Hong Kong 1. LP Limited.	Hong Kong	Investment	l Cube Capital Inc.	100.00%
Tellus Investment Partners, Inc. Primero Protein, LLC	USA USA	Investment Investment	SK Inc. Tellus Investment Partners, Inc.	100.00% 67.55%
Terra LLC	USA	Investment	Tellus Investment Partners, Inc.	100.00%
Castanea Bioscience Inc.	USA	Investment	SK Inc.	100.00%
SK Forest Co., Ltd.	Korea	Landscaping and planting business	SK Inc.	100.00%
Hweechan Co., Ltd. SK Pinx Co., Ltd.	Korea Korea	Condo, resort operation Golf club operating	SK Inc. Hweechan Co., Ltd.	100.00% 100.00%
SK REITs Co., Ltd.	Korea	Real estate developing and trading	SK Inc.	50.00%
Clean Energy REITs Co., Ltd.	Korea	Real estate developing and trading	SK REITs Co., Ltd.	100.00%
SK REITs Management Co., Ltd.	Korea	Real estate developing and trading	SK Inc.	100.00%
SK Japan Investment Inc.	Japan	Investment	SK Inc., SKC Co., Ltd., SK Materials Co., Ltd., and SK Siltron Co., Ltd.	100.00%
SK SIGNET Inc. (formerly, SIGNET EV Inc.) (*6) SIGNET Energy Inc.	Korea Korea	Electric vehicle charger manufacturing and selling Electric vehicle charger maintenance	SK Inc. SK SIGNET Inc.	0.00%
SIGNET EV America Inc.	USA	and technical support Electric vehicle charger maintenance	SK SIGNET Inc.	100.00%
Auxo Capital Inc.	USA	Investment	SK SIGNET INC. SK Inc.	100.00%
SK Global Development Advisors LLC	USA	Investment	Auxo Capital Inc.	100.00%
Auxo Capital Managers LLC	USA	Investment	Auxo Capital Inc.	100.00%
Tellus (HONG KONG) Investment Co., Ltd.	Hong Kong	Investment	SK Inc.	100.00%
Digital Center Capital Inc.	USA	Investment	SK Inc.	100.00%
Martis Capital, LLC	USA	Investment	Digital Center Capital Inc.	100.00%
Tillandsia, Inc.	USA	Investment	SK Inc.	100.00%
YES POWERTECHNIX	Korea	Semiconductor	SK Inc.	74.89%

- (*1) The equity ownership is based on ordinary shares and includes indirect investments held by the consolidated subsidiaries.
- (*2) SK Innovation Co., Ltd. and 13 other companies are included in the consolidated financial statements as the Group is able to exercise de facto control. The remaining voting rights of SK Innovation Co., Ltd. and 11 other companies are widely dispersed, so it is determined that the Group has voting rights to exercise de facto control.
- (*3) Although the Group's equity interests for common stock in 11 Street Co., Ltd. is 98.10%, as the preferred stocks with voting rights are issued, the equity interests with voting rights are 80.26%.
- (*4) Dreamus Company Co., Ltd. has a 51.44% stake in common shares, but the preferred shares with voting rights are issued, and the share with voting rights is 41.78%.
- (*5) The assets and liabilities of SK Networks Resources Australia (Wyong) Pty Ltd. and SK Networks Resources Pty Ltd. are classified as assets and liabilities held for sale (see Note 29 assets and liabilities held for sale).
- (*6) Although the Group's equity interests for common stock in SK Signet Inc. is 0%, as the preferred stocks with voting rights are issued, the equity interests with voting rights are 52.63%.

1.3 Changes in consolidated subsidiaries

Changes in the consolidated subsidiaries for the six-month period ended June 30, 2022 are as follows:

 December 31, 2021
 Inclusion
 Exclusion
 June 30, 2022

 454
 107
 5
 556

For the six-month period ended June 30, 2022, subsidiaries newly included in consolidation are as follows:

Subsidiaries Reasons for changes
, Inc.
, LLC Establishment
(25 companies)

Freedom Circle Capital, Inc. Montague ESG Capital, LLC SAPEON Korea Inc.

Sapeon Inc.

Onestore Global Pte. Ltd. SCODYS Pte. Ltd.

NEX Investment Limited NEX UK Holdings Limited Mobility Solution I Inc.

Mobility Solution II Inc. LAI CCS, LLC

KCE Market Operations, LLC and 6 others

BT FC LLC

DongNam Offshore Windfarm Co. Ltd. GangDong Green Complex Co., Ltd.

Eco Frontier (Singapore) Pte. Ltd. SK Siltron CSS Korea Co., Ltd.

Tillandsia, Inc. Lotus Fund, L.P. Won Poll Co., Ltd. Seoul Airbus Co., Ltd.

SK pucore Co., Ltd.
Beijing SK pucore Inc.

SK pucore Europe sp. zo.o.

SK pucore USA Inc.

SK pucore Mexico, S. de R.L. de C.V.

SK pucore India Pvt. Ltd. SK pucore RUS LLC

EverCharge, Inc.

EverCharge Services, LLC

Busaho haengboknanum solar Co., Ltd.

JA GREEN Co., Ltd.

Tes-Envirocorp Pte. Ltd. and 52 others

Imexpharm Corporation and 14 others

YES POWERTECHNIX

Open Garden Co., Ltd.

For the six-month period ended June 30, 2022, subsidiaries excluded from consolidation are as follows:

Subsidiaries Reasons for changes

SK NETWORKS BRASIL INTERMEDIACAO DE NEGOCIOS LTDA.

New&Company Two Pte. Ltd. SK Eco Engineering Co., Ltd.

SK Growth Opportunities Corporation

Reasons for changes
Consolidated entities
(1 company)
Liquidation
(2 companies)
Change to Equity Method
(2 companies)

Acquisition and others

(82 companies)

15

1.4 Condensed financial information of significant consolidated subsidiaries

Details of condensed financial information of the significant subsidiaries as of and for the six-month period ended June 30, 2022 are as follows (Korean won in millions):

	Total	Total		Net income
Subsidiaries	assets	liabilities	Sales	(loss)
SK Innovation Co., Ltd.	₩ 18,778,112	₩ 2,979,444	₩ 1,178,755	₩ 360,459
SK Energy Co., Ltd.	20,667,944	14,975,440	23,891,373	1,768,810
SK On Co., Ltd.	8,327,781	4,592,284	2,244,623	(241,391)
SK Geo Centric Co., Ltd.	6,619,020	3,508,995	5,717,836	84,116
SK Incheon Petrochem Co., Ltd.	7,011,630	5,056,323	4,504,570	321,167
SK Trading International Co., Ltd.	2,514,789	1,767,972	9,527,038	127,256
SK Lubricants Co., Ltd.	3,121,778	2,081,019	2,439,908	273,212
SK ie technology Co., Ltd.	2,569,140	413,721	150,664	(9,503)
SK Geo Centric International Trading (Shanghai) Co., Ltd.	250,963	175,930	828,835	9,164
(formerly, SK Global Chemical International Trading (Shanghai) Co., Ltd.)				
SK Hi-Tech Battery Materials (Jiang Su) Co., Ltd.	937,936	503,617	144,486	30,234
SK Energy International Pte. Ltd.	4,846,763	4,069,382	17,522,585	87,716
SK Energy America, Inc.	1,230,856	1,141,501	3,836,533	(1,676)
SK Energy Europe, Ltd.	97,670	6,751	3,278,941	(344)
SK Telecom Co., Ltd.	25,878,451	15,370,729	6,195,625	476,480
SK Broadband Co., Ltd.	6,079,250	3,106,356	2,062,124	100,519
PS&Marketing Corp.	422,969	206,414	647,749	1,267
SK Square Co., Ltd.	7,315,228	114,817	320,922	281,474
SK Shieldus Co., Ltd. (*1)	3,234,829	2,845,042	837,380	14,944
11street. Co., Ltd.	812,115	529,156	281,739	(77,964)
SK Planet Co., Ltd.	476,627	162,485	124,631	36,458
SK Networks Co., Ltd.	5,050,809	3,012,431	3,195,606	20,307
SK Magic Co., Ltd.	1,276,620	883,261	527,583	27,930
SK Rent-a-Car Co., Ltd.	3,072,743	2,564,404	610,002	21,125
SKC Co., Ltd.	3,860,720	1,768,075	368,649	175,369
SK Nexilis Co., Ltd.	1,348,027	810,360	412,131	36,341
SK PIC Global Co., Ltd.	641,254	295,307	599,055	109,823
SK E&S Co., Ltd.	9,009,745	3,969,107	616,413	257,079
Yeongnam Energy Service Co., Ltd.	426,195	206,520	493,195	18,528
Ko-one Energy Service Co., Ltd.	659,713	318,588	714,819	16,116
Pusan City Gas Co., Ltd.	1,104,699	327,520	668,884	31,542
Chungcheong Energy Service Co., Ltd.	316,162	181,106	415,945	17,739
Paju Energy Service Co., Ltd.	1,985,283	1,151,686	859,088	231,104
Narae Energy Service Co., Ltd.	1,411,985	851,239	506,158	62,502
Prism Energy International Pte. Ltd.	2,096,239	1,316,019	1,856,814	291,730
SK Ecoplant Co., Ltd.	7,489,468	5,747,242	2,725,135	343,288
SK Specialty Co., Ltd.	1,092,154	671,573	372,256	80,348
SK Siltron Co., Ltd. (*1)	4,037,334	2,525,710	1,152,658	184,096
SK Biopharmaceuticals Co., Ltd.	589,286	187,807	84,315	(81,491)
SK REITs Co., Ltd.	1,978,388	1,209,505	20,634	18,582

^(*1) The condensed financial information is consolidated financial information.

1.5 Disclosure of significant non-controlling interests in subsidiaries

Information about significant non-controlling interests in subsidiaries as of and for the six-month period ended June 30, 2022 is as follows (Korean won in millions):

	June 30, 2022										
	SK Innovation	n SK Tele	com S	SK Square	SK	Networks	;	SKC	SK E&S	SK	Ecoplant
	Co., Ltd.	Co., Lt	<u>d</u>	Co., Ltd.		Co., Ltd.	Co	o., Ltd.	Co., Ltd.	(Co., Ltd.
Percentage of the non-controlling ownership	63.23%	69.88	%	69.81%		55.58%	5	7.10%	10.00%		55.47%
Current assets	₩ 33,516,03	7 ₩ 7,06	1,197 ₩	2,621,426	₩	2,589,599	₩ 3	3,051,202	₩ 3,872,721	₩	4,179,776
Non-Current assets	30,911,71	1 23,58	7,231	20,339,029		6,515,221	4	1,695,963	12,737,965	i	6,198,763
Current liabilities	26,506,49	3 7,57	5,948	1,904,561		3,217,357	2	2,485,674	3,318,582		5,171,524
Non-current liabilities	15,595,07	9 10,92	5,840	3,321,775		3,449,515	2	2,274,353	6,625,020	ł	2,827,309
Net assets	22,326,17	6 12,14	6,640	17,734,119		2,437,948	2	2,987,138	6,667,084		2,379,706
Book value of the non-controlling interests	14,885,80	8 7,52	6,984	12,466,508		1,423,148	2	2,055,377	4,116,661		1,633,174
Sales	36,166,81	8 8.56	7,065	2,850,101		4,644,441	2	2,197,357	5,715,483	j	3,098,893
Net income	2,201,77		8.492	958.838		55.618		209.827	956.354		681.662
Total comprehensive income	2,822,90	9 26	7,206	675,897		74,069		253,354	799,776	j	768,369
Net income of the non- controlling interests	1,453,13	0 33	1,210	678,839		32,680		143,575	352,501		371,384
Total comprehensive income of the non-controlling interests	1,769,18	3 10	4,840	412,747		42,889		170,958	369,840	l	427,927
Net cash flows from operating activities	1,087,85	4 2,73	6,275	221,132		(25,689)		(55,133	1,300,830)	(59,187)
Net cash flows from investing activities	(2,952,03	6) (1,58	3,883)	(164,810))	(720,104)		118,727	(1,204,811)	(1,329,062)
Net cash flows from financing activities before dividends paid to the non- controlling interests	4,868,11	0 (49	4,830)	(113,060))	(397,792)		803,324	89,571		1,465,505
Dividends paid to the non- controlling interests	(204,36	0) (38	6,191)	(8,203))	(14,583)		(96,035	(170,852)	(11,608)
Net increase (decrease) in cash and cash equivalents	2,799,56	8 27	1,371	(64,941))	(1,158,168)		770,883	14,738		65,648

The aforementioned condensed financial information is consolidated financial information of each subsidiary and non-controlling interests include hybrid bonds.

2. Basis of preparation and summary of significant accounting policies

2.1 Basis of preparation

The Group prepares statutory interim financial statements in Korean in accordance with International Financial Reporting Standards as adopted by the Republic of Korea ("KIFRS") *Interim Financial Reporting* enacted by the Act on External Audit of Stock Companies. The accompanying interim consolidated financial statements have been translated into English from Korean financial statements. In the event of any differences in interpreting the financial statements or the independent auditor's review report thereon, Korean version, which is used for regulatory reporting purposes, shall prevail.

The interim condensed consolidated financial statements do not include all the information and disclosures required in the annual financial statements, and should be read in conjunction with the Group's annual financial statements as of December 31, 2021.

The accompanying interim condensed consolidated financial statements are stated in Korean won, the currency of the country in which the Group is incorporated and operates. The translation of Korean won amounts into U.S. dollar amounts is included solely for the convenience of readers of the interim condensed consolidated financial statements and has been made at the rate of \(\pi\)1,130.00 to USD 1.00, the basic exchange rate in the Seoul Money Brokerage Service for cable transfers in Korean won on the last business day of the six-month period ended June 30, 2021. Such translations into U.S. dollars should not be construed as representations that the Korean won amounts could be converted into U.S. dollars at that or any other rate.

2.2 Significant accounting policies

The significant accounting policies used for the preparation of the accompanying the interim condensed consolidated financial statements as of and for the six-month period ended June 30, 2022, are the same as the accounting policies adopted for the preparation of consolidated financial statements as of and for the year ended December 31, 2021, except for adoption of new and revised KIFRSs applied in the current period, which are summarized below.

2.2.1 New and revised KIFRSs adopted in the current period

The Group has applied amendments to KIFRS issued that are mandatorily effective for accounting periods beginning on or after January 1, 2022.

KIFRS 1016 Property, Plant and Equipment (Amended)

The amendment prohibits entities from deducting from the cost of an item of property, plant and equipment, any proceeds of the sale of items produced while bringing that asset to the location and condition necessary for it to be capable of operating in the manner intended by management. Instead, an entity recognises the proceeds from selling such items, and the costs of producing those items, in profit or loss. The amendment must be applied retrospectively to items of property plant, and equipment that are brought to the location and condition necessary for it to be capable of operating in the manner intended by management after the beginning of the earliest period presented.

The Group restated the comparative consolidated financial statements by retroactively applying the amendments to property, plant, and equipment that are brought to the location and condition necessary for it to be capable of operating in the manner intended by management after the beginning of the earliest period presented. As a result, property, plant and equipment decreased by 31, 2021, and net income decreased by 12,531 million for the six months ended June 30, 2021.

2.2 Significant accounting policies (cont'd)

KIFRS 1037 - Provisions, Contingent Liabilities and Contingent Assets (Amended)

The amendments specify that the costs related directly to a contract to provide goods or services shall include both incremental costs and an allocation of costs directly related to contract activities when assessing whether a contract is onerous or loss-making. The Group applies the amendments to contracts for which it has not yet fulfilled all its obligations at the beginning of the annual reporting period in which it first applies the amendments (the date of initial application) and has not restated its comparative information. The amendments do not have any significant impact on the Group's financial position or management performance.

KIFRS 1103 - Business combinations (Amended)

The amendments update KIFRS 1103 so that the definition of assets and liabilities to be recognized in a business combination is referred to the 2018 Conceptual Framework and add an exception that, for transactions and other events within the scope of KIFRS 1037, 'Provisions, Contingent Liabilities and Contingent Assets' or KIFRS 2121, 'Levies', an acquirer applies KIFRS 1037 or KIFRS 2121 and clarify that contingent assets are not recognized on the acquisition date. These amendments had no material impact on the Group's financial position or management performance.

KIFRS 1116 Leases (Amended)

The application of the practical expedient, which provides relief to lessees from applying KIFRS 1116 guidance on lease modification accounting for rent concessions arising as a direct consequence of the Covid-19 pandemic, has been extended to lease reduction affecting the lease payments before June 30, 2022. Such rent concessions should satisfy the requirements to apply the practical expedient, and a lessee should consistently apply the practical expedients to similar contracts with similar characteristics. These amendments had no material impact on the Group's financial position or management performance.

Annual Improvements to KIFRS 2018-2020

The annual improvements include some amendments to KIFRS 1101 *'First-time Adoption of KIFRS'*, KIFRS 1109 *'Financial Instruments'*, KIFRS 1116 *'Leases'* and KIFRS 1041 *'Agriculture'*. The amendments to KIFRS 1116 are relevant only to the illustrative examples, and thus the effective date for the amendment was not specified. These amendments had no material impact on the Group's financial position or management performance.

2.2. Significant accounting policies (cont'd)

2.2.2 New and revised KIFRS issued, but not yet effective

KIFRS 1001 Presentation of Financial Statements (Amended)

The amendments affect only the presentation of liabilities in the statement of financial position and clarify that the classification of liabilities as current or non-current should be based on rights that are in existence at the end of the reporting period and clarify that classification is unaffected by expectations about whether an entity will exercise its right to defer settlement of a liability. The amendments explain that the right exists if the borrowing arrangement is complied with at the end of the reporting period and clarify that settlement refers to the transfer of cash, equity instruments, other assets or services to the counterparty. The Group plans to apply the standard for annual reporting period beginning on or after January 1, 2023, with early application permitted.

KIFRS 1001 Presentation of Financial Statements (Amended)

The amendments aim to help entities provide accounting policy disclosures that are more useful by replacing the requirement for entities to disclose their 'significant' accounting policies with a requirement to disclose their 'material' accounting policies and adding guidance on how entities apply the concept of materiality in making decisions about accounting policy disclosures. The amendments to KIFRS 1001 are applicable for annual periods beginning on or after January 1, 2023 with earlier application permitted.

KIFRS 1008 Accounting Policies, Changes in Accounting Estimates and Errors (Amended)

The amendments clarify the distinction between changes in accounting estimates and changes in accounting policies and the correction of errors. Also, they clarify how entities use measurement techniques and inputs to develop accounting estimates. The amendments are effective for annual reporting periods beginning on or after January 1, 2023 and apply to changes in accounting policies and changes in accounting estimates that occur on or after the start of that period. Earlier application is permitted as long as this fact is disclosed.

KIFRS 1012 Income Taxes (Amended)

The amendments require companies to recognize deferred tax on particular transactions that, on initial recognition, give rise to equal amounts of taxable and deductible temporary Paragraphs 15 and 24 of KIFRS 1012 were amended to include an additional condition where the initial recognition exemption is not applied. According to the amended guidance, a temporary difference that arises on initial recognition of an asset or liability is not subject to the initial recognition exemption if that transaction gave rise to equal amounts of taxable and deductible temporary differences. The amendments to KIFRS 1001 are applicable for annual periods beginning on or after January 1, 2023 with earlier application permitted.

The Group is reviewing the possible effects of the above listed amendments on the consolidated financial statements.

3. Significant accounting judgements, estimates and assumptions

When preparing the interim condensed consolidated financial statements, management is required to make judgments, estimates and assumptions that affect the reported amount of assets, liabilities, revenues and expenses. Actual results may be different from those estimates.

Those accounting judgments made by management in the preparation of the interim condensed consolidated financial statements for the six-month period ended June 30, 2022, are consistent with those followed in the preparation of consolidated financial statements for the year ended December 31, 2021.

In order to prevent the spread of COVID-19, various prevention and control measures including restrictions on movement are being implemented worldwide, and as a result, the global economy is widely affected. The Group invests in companies operating in various industries, including petroleum refining, telecommunications, wholesale and retail, chemicals, construction and others, and is exposed to market uncertainties due to the influence of COVID-19. This can negatively affect productivity, sales decline or delay, collection of existing receivables, discount rates and indicators used for various estimates, which can negatively affect the Group's financial position and financial performance. The Group prepared financial statements by reasonably estimating the impact of COVID-19 on the Group. However, there is significant uncertainty in estimating the impact of COVID-19 on the Group.

4. Operating segments

(1) Overview of operating segments

The Group makes decisions on resources to be allocated to business segments and divides the business segments based on the internal reports which the chief operating decision maker periodically reviews to evaluate the performances of the sales segments. Details of segment operations of each segment are as follows:

Operating segments	Business
SK Innovation Co., Ltd.	Petroleum refining, chemical, lubricating oil, battery and resources development
SK Telecom Co., Ltd.	Wireless and wired telecommunication
SK Square Co., Ltd.	Semiconductor and New ICT
SK Networks Co., Ltd.	Information communication, rental and trade
SKC Co., Ltd.	Chemical, industrial materials and mobility material
SK E&S Co., Ltd.	Gas and energy
SK Ecoplant Co., Ltd.	Civil engineering, housing, plant and others
Others	IT services, special gas manufacturing and sale, medicine and life science and others

(2) Details of financial information for each operating segment as of and for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in billions):

As of and for the six-month period ended June 30, 2022

	SK	SK	SK	SK			SK	Co	nsolidation	
	Innovation	Telecom	Square	Networks	SKC	SK E&S	Ecoplant		justments	
	Co., Ltd.	Co., Ltd.	Co., Ltd.	Co., Ltd.	Co., Ltd.	Co., Ltd.	Co., Ltd.	Others	(*1)	Total
Total sales	₩ 36,167	₩ 8,567	,	₩ 4,644	₩ 2,197	₩ 5,715	₩ 3,099		(4,196)	₩ 64,091
Internal sales	(326)			(516)	(211)	(190)	(4)		4,196	-
Net sales	35,841	8,479	1,503	4,128	1,986	5,525	3,095		-	64,091
Profit (loss) from continuing operations before income tax	3,386	730	1,039	71	250	1,139	112	857	(800)	6,784
expense Profit (loss) for the year from continuing operations	2,202	478	959	54	215	956	50	724	(898)	4,740
Total assets	64.428	30,648	22.960	9.105	7.747	16.611	10,379	57,290	(32,114)	187.054
Total liabilities	42,102	18,502	5,226	6,667	4,760	9,944	7,999	21,573	(1,081)	115,692
Depreciation	774	1,448	138	411	106	220	45		64	3,461
Amortization	80	439	47	14	19	4	32	185	44	864
		01/		for the six-	month per	iod ende	d June 30,			
	SK	SK	SK						solidation	
	Innovation		Networks	SKC	SK E&S		coplant		ustments	
	Co., Ltd.	Co., Ltd.	Co., Ltd.	Co., Ltd.	Co., Ltd.		o., Ltd.	Others	(*1)	Total
Total sales	₩ 20,65	7 ₩ 9,599	₩ 5,296	₩ 1,572	₩ 3,611	1 ₩	3,028 ₩	⁷ 4,182 ₩	(2,709)	₹ 45,236
Internal sales	(23	4) (200)	(605	(145)	(131	1)	(177)	(1,217)	2,709	-
Net sales	20.42		4,691		3,480		2,851	2,965	, · · -	45,236
Profit (loss) from	18		63		321		109	4,149	(3,647)	3,083
continuing operations before income tax expense										
Profit (loss) for the period from continuing operations	(17	5) 1,368	45	136	244	1	102	3,777	(3,596)	1,901
Total assets	45.91	7 50.058	9,407	5.666	12,110)	7,324	51,178	(29,781)	151,879
Total liabilities	28.47	,	7.070	-,	8,176		6,113	16,288	271	93,706
Depreciation	67		407	-,	199		33	310	(25)	3,250
		,								
Amortization	4	5 500	11	15	3	5	22	54	167	817

(*1) Consolidation adjustments of the parent company, excluding consolidation adjustments of each subsidiary.

4. Operating segments (cont'd)

(3) Details of financial information by geographical location as of and for the six-month periods ended June 30, 2022 and 2021 (Korean won in billions):

		As of and for the six-month period ended June 30, 2022									
		North				Consolidation					
		Korea	Asia		Europe	Am	erica	Others	ad	<u>justments</u>	Total
Total sales	₩	80,356 ₹	₹ 23,26	67 ₩	5,468	₩	6,456 ₩	23	3 ₩	(51,689)₩	64,091
Operating profit (loss)		7,767	48	39	(140))	(57)	16	5	(1,593)	6,631
Profit (loss) from continuing operations before income tax expense		7,513	52	20	(246))	(183)	18	5	(1,005)	6,784
Profit (loss) for the period		5,344	4	55	(244))	(208)	168	3	(775)	4,740
Total assets		202,653	25,7	9	8,394		28,764	2,03	7	(80,513)	187,054
Total liabilities		103,775	10,94	13	4,789		8,030	489	9	(12,334)	115,692
			As of a	and fo	or the six-n	nonth	period en	ded June	30,	2021	
						No	orth		Cor	nsolidation	
		Korea	Asia		Europe	Am	erica	Others	ad	justments	Total
Total sales	₩	52,685 ₹	₹ 12,8	55 ₩	2,460	₩	3,026 ₩	6	1 ₩	(25,851)₩	45,236
Operating profit (loss)		4,194	1	8	70		76	1	1	(1,628)	2,841
Profit (loss) from continuing operations before income tax expense		5,882	1,42	22	73		3	974	4	(5,271)	3,083
Profit (loss) for the period		4,589	1,39	96	51		24	974	4	(5,133)	1,901
Total assets		168,015	16,56		5,071		17,900	1,75		(57,427)	151,879
Total liabilities		84,409	5,0		2,428		5,347	339		(3,828)	93,706

4. Operating segments (cont'd)

(4) Details of financial information by revenue from contracts with customers for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in billions):

					ix-month perio	od ended June				
	SK	SK	SK	SK			SK			
	Innovation	Telecom	Square	Networks	SKC	SK E&S	Ecoplant		Consolidation	
4.7.1.1	Co., Ltd.	Co., Ltd.	Co., Ltd.	Co., Ltd.	Co., Ltd.	Co., Ltd.	Co., Ltd.	Others	adjustments	Total
1. Total sales		₩ 8,567		₩ 4,644		₩ 5,715	₩ 3,099		, ,	₩ 64,091
Revenue from contracts with	36,152	8,567	1,872	3,692	2,197	5,711	3,085	4,333	(2,530)	63,079
contracts with customers										
Categories:										
Service sales	145	7,867	1.447	195	_	_	2.985	1.321	(1,056)	12.904
Finished goods sales	34.055	- ,,,,,,	18	201	1.994	2,328	-	2,495	(723)	40,368
Merchandise sales	830	482	299	3,295	187	3,335	26	500	(701)	8,253
Other sales	1,122	218	108	1	16	48	74	17	(50)	1,554
	36,152	8,567	1,872	3,692	2,197	5,711	3,085	4,333	(2,530)	63,079
Timing of revenue										
recognition:	00.007	700	405	0.407	0.407	000	100	0.040	(4.474)	45.007
Recognition at a point in time	36,007	700	425	3,497	2,197	903	100	3,012	(1,474)	45,367
Recognition over a										
period of time	145	7,867	1,447	195	_	4,808	2,985	1,321	(1,056)	17,712
F	36,152	8,567	1,872	3,692	2,197	5,711	3,085	4,333	(2,530)	63,079
Revenue from	15		978	952		4	14	715	(1,666)	1,012
other sources										
				For the six r	nonth norio	d oondod	lune 30, 202	1		
	SK	SK	SK	I OI LITE SIX-I	nonth peno	u eenueu c	Julie 30, 202			
				01/0	01/ 500	014		_		
	Innovation	Telecom	Networks	SKC	SK E&S		coplant		Consolidation	
	Innovation Co., Ltd.	Telecom Co., Ltd.	Networks Co., Ltd.	Co., Ltd.	Co., Ltd.	Co.	, Ltd.	Others	<u>adjustments</u>	Total
1. Total sales	Innovation	Telecom Co., Ltd.	Networks Co., Ltd.	Co., Ltd.	Co., Ltd.	Co.		Others	<u>adjustments</u>	•
Total sales Revenue from	Innovation Co., Ltd.	Telecom Co., Ltd.	Networks Co., Ltd.	Co., Ltd.	Co., Ltd.	Co. ₩	, Ltd.	Others	adjustments ₩ (2,709)	•
2. Revenue from	Innovation <u>Co., Ltd.</u> ₩ 20,657	Telecom <u>Co., Ltd.</u> ₩ 9,599	Networks <u>Co., Ltd.</u> ₩ 5,296	<u>Co., Ltd.</u> ₩ 1,572	<u>Co., Ltd.</u> ₩ 3,61	Co. ₩	, <u>Ltd.</u> 3,028 ₩	Others 4,182	<u>adjustments</u>	₩ 45,236
Revenue from contracts with	Innovation <u>Co., Ltd.</u> ₩ 20,657	Telecom <u>Co., Ltd.</u> ₩ 9,599	Networks <u>Co., Ltd.</u> ₩ 5,296	<u>Co., Ltd.</u> ₩ 1,572	<u>Co., Ltd.</u> ₩ 3,61	Co. ₩	, <u>Ltd.</u> 3,028 ₩	Others 4,182	adjustments ₩ (2,709)	₩ 45,236
Revenue from contracts with customers	Innovation <u>Co., Ltd.</u> ₩ 20,657	Telecom <u>Co., Ltd.</u> ₩ 9,599	Networks <u>Co., Ltd.</u> ₩ 5,296	<u>Co., Ltd.</u> ₩ 1,572	<u>Co., Ltd.</u> ₩ 3,61	Co. ₩	, <u>Ltd.</u> 3,028 ₩	Others 4,182	adjustments ₩ (2,709)	₩ 45,236
Revenue from contracts with customers Categories:	Innovation <u>Co., Ltd.</u> ₩ 20,657 20,642	Telecom <u>Co., Ltd.</u> ₩ 9,599 9,599	Networks <u>Co., Ltd.</u> ₩ 5,296 4,365	<u>Co., Ltd.</u> ₩ 1,572	<u>Co., Ltd.</u> ₩ 3,61	Co. ₩	3,028 W 3,019	Others 4,182 3,690	adjustments W (2,709) (2,234)	₩ 45,236 44,261
Revenue from contracts with customers Categories: Service sales	Innovation <u>Co., Ltd.</u> ₩ 20,657 20,642	Telecom <u>Co., Ltd.</u> ₩ 9,599 9,599 8,600	Networks <u>Co., Ltd.</u> ₩ 5,296 4,365	Co., Ltd. ₩ 1,572 1,572	Co., Ltd. ₩ 3,61° 3,608	Co.	3,028 W 3,019	Others 4,182 3,690 1,273	<u>adjustments</u> W (2,709) (2,234)	₩ 45,236 44,261
Revenue from contracts with customers Categories: Service sales Finished goods sales	Innovation <u>Co Ltd.</u> ₩ 20,657 20,642 130 19,479	Telecom <u>Co., Ltd.</u> ₩ 9,599 9,599 8,600 15	Networks <u>Co., Ltd.</u> ₩ 5,296 4,365 163 229	<u>Co., Ltd.</u> ₩ 1,572 1,572	Co., Ltd. ₩ 3,61° 3,608		3,028 W 3,019 3,000	Others 4,182 3,690 1,273 1,875	adjustments ₩ (2,709) (2,234) (998) (515)	¥ 45,236 44,261 12,168 23,827
Revenue from contracts with customers Categories: Service sales Finished goods sales Merchandise sales	Innovation <u>Co., Ltd.</u> W 20,657 20,642 130 19,479 609	Telecom <u>Co., Ltd.</u> W 9,599 9,599 8,600 15 706	Networks <u>Co., Ltd.</u> ₩ 5,296 4,365	Co., Ltd. ₩ 1,572 1,572	Co., Ltd. ₩ 3,61′ 3,608 1,309 2,258	Co. W	3,028 W 3,019 3,000	Others 4,182 3,690 1,273 1,875 531	adjustments W (2,709) (2,234) (998) (515) (711)	¥ 45,236 44,261 12,168 23,827 7,496
Revenue from contracts with customers Categories: Service sales Finished goods sales	Innovation <u>Co Ltd.</u> ₩ 20,657 20,642 130 19,479	Telecom <u>Co., Ltd.</u> ₩ 9,599 9,599 8,600 15	Networks <u>Co., Ltd.</u> ₩ 5,296 4,365 163 229 3,973	<u>Co., Ltd.</u> ₩ 1,572 1,572	Co., Ltd. ₩ 3,61° 3,608	Co. W	3,028 W 3,019 3,000 - 13 6	Others 4,182 3,690 1,273 1,875 531 11	adjustments ₩ (2,709) (2,234) (998) (515)	¥ 45,236 44,261 12,168 23,827
Revenue from contracts with customers Categories: Service sales Finished goods sales Merchandise sales	Innovation <u>Co., Ltd.</u> W 20,657 20,642 130 19,479 609	Telecom <u>Co., Ltd.</u> W 9,599 9,599 8,600 15 706	Networks <u>Co., Ltd.</u> ₩ 5,296 4,365 163 229	Co., Ltd. ₩ 1,572 1,572	Co., Ltd. ₩ 3,61′ 3,608 1,309 2,258		3,028 W 3,019 3,000	Others 4,182 3,690 1,273 1,875 531	adjustments W (2,709) (2,234) (998) (515) (711)	¥ 45,236 44,261 12,168 23,827 7,496
Revenue from contracts with customers Categories: Service sales Finished goods sales Merchandise sales Other sales	Innovation <u>Co.</u> Ltd. W 20,657 20,642 130 19,479 609 424	Telecom <u>Co.</u> Ltd. W 9,599 9,599 8,600 15 706 278	Networks <u>Co., Ltd.</u> ₩ 5,296 4,365 163 229 3,973	Co., Ltd. W 1,572 1,572 - 1,435 117 - 20	Co., Ltd. ₩ 3,61° 3,608 1,309 2,258 4°		3,028 W 3,019 3,000 - 13 6	Others 4,182 3,690 1,273 1,875 531 11	adjustments W (2,709) (2,234) (998) (515) (711) (10)	# 45,236 44,261 12,168 23,827 7,496 770
Revenue from contracts with customers Categories: Service sales Finished goods sales Merchandise sales Other sales Timing of revenue	Innovation <u>Co.</u> Ltd. W 20,657 20,642 130 19,479 609 424	Telecom <u>Co.</u> Ltd. W 9,599 9,599 8,600 15 706 278	Networks <u>Co., Ltd.</u> ₩ 5,296 4,365 163 229 3,973	Co., Ltd. W 1,572 1,572 - 1,435 117 - 20	Co., Ltd. ₩ 3,61° 3,608 1,309 2,258 4°		3,028 W 3,019 3,000 - 13 6	Others 4,182 3,690 1,273 1,875 531 11	adjustments W (2,709) (2,234) (998) (515) (711) (10)	# 45,236 44,261 12,168 23,827 7,496 770
Revenue from contracts with customers Categories: Service sales Finished goods sales Merchandise sales Other sales Timing of revenue recognition:	Innovation Co., Ltd. W 20,657 20,642 130 19,479 609 424 20,642	Telecom Co. Ltd. W 9,599 9,599 8,600 15 706 278 9,599	Networks Co., Ltd. ₩ 5,296 4,365 163 229 3,973 	Co., Ltd. W 1,572 1,572	Co., Ltd. W 3,611 3,608 1,308 2,258 4 3,608	Co. W	3,028 W 3,019 3,000 - 13 6 3,019	0thers 4,182 3,690 1,273 1,875 531 11 3,690	### (2,709) (2,234) (998) (515) (711) (10) (2,234)	W 45,236 44,261 12,168 23,827 7,496 770 44,261
Revenue from contracts with customers Categories: Service sales Finished goods sales Merchandise sales Other sales Timing of revenue recognition: Recognition at a	Innovation <u>Co.</u> Ltd. W 20,657 20,642 130 19,479 609 424	Telecom <u>Co.</u> Ltd. W 9,599 9,599 8,600 15 706 278	Networks <u>Co., Ltd.</u> ₩ 5,296 4,365 163 229 3,973	Co., Ltd. W 1,572 1,572 - 1,435 117 - 20	Co., Ltd. ₩ 3,61° 3,608 1,309 2,258 4°	Co. W	3,028 W 3,019 3,000 - 13 6	Others 4,182 3,690 1,273 1,875 531 11	adjustments W (2,709) (2,234) (998) (515) (711) (10)	# 45,236 44,261 12,168 23,827 7,496 770
2. Revenue from contracts with customers Categories: Service sales Finished goods sales Merchandise sales Other sales Timing of revenue recognition: Recognition at a point in time	Innovation Co., Ltd. W 20,657 20,642 130 19,479 609 424 20,642	Telecom Co. Ltd. W 9,599 9,599 8,600 15 706 278 9,599	Networks Co., Ltd. ₩ 5,296 4,365 163 229 3,973 	Co., Ltd. W 1,572 1,572	Co., Ltd. W 3,611 3,608 1,308 2,258 4 3,608	Co. W	3,028 W 3,019 3,000 - 13 6 3,019	0thers 4,182 3,690 1,273 1,875 531 11 3,690	### (2,709) (2,234) (998) (515) (711) (10) (2,234)	W 45,236 44,261 12,168 23,827 7,496 770 44,261
Revenue from contracts with customers Categories: Service sales Finished goods sales Merchandise sales Other sales Timing of revenue recognition: Recognition at a point in time Recognition over a	Innovation Co., Ltd. W 20,657 20,642 130 19,479 609 424 20,642 20,512	Telecom Co. Ltd. W 9,599 9,599 8,600 15 706 278 9,599	Networks Co., Ltd. ₩ 5,296 4,365 163 229 3,973	Co., Ltd. W 1,572 1,572	Co., Ltd. W 3,611 3,608 1,300 2,258 42 3,608	Co. W	3,028 W 3,019 3,000 - 13 6 3,019	Others 4,182 3,690 1,273 1,875 531 11 3,690 2,417	adjustments W (2,709) (2,234) (998) (515) (711) (10) (2,234) (1,236)	W 45,236 44,261 12,168 23,827 7,496 770 44,261 28,928
2. Revenue from contracts with customers Categories: Service sales Finished goods sales Merchandise sales Other sales Timing of revenue recognition: Recognition at a point in time	Innovation Co., Ltd. W 20,657 20,642 130 19,479 609 424 20,642 20,512	Telecom Co. Ltd. W 9,599 9,599 8,600 15 706 278 9,599 999	Networks Co., Ltd. W 5,296 4,365 163 229 3,973 4,365 4,202	Co., Ltd. W 1,572 1,572 1,435 117 20 1,572 1,572	Co., Ltd. W 3,611 3,608 1,309 2,258 4 3,608	Co. W	3,028 W 3,019 3,000 - 13 6 3,019 19	Others 4,182 3,690 1,273 1,875 531 11 3,690 2,417	adjustments W (2,709) (2,234) (998) (515) (711) (10) (2,234) (1,236)	W 45,236 44,261 12,168 23,827 7,496 770 44,261
Revenue from contracts with customers Categories: Service sales Finished goods sales Merchandise sales Other sales Timing of revenue recognition: Recognition at a point in time Recognition over a	Innovation Co., Ltd. W 20,657 20,642 130 19,479 609 424 20,642 20,512	Telecom Co. Ltd. W 9,599 9,599 8,600 15 706 278 9,599	Networks Co., Ltd. ₩ 5,296 4,365 163 229 3,973	Co., Ltd. W 1,572 1,572	Co., Ltd. W 3,611 3,608 1,300 2,258 42 3,608	Co. W	3,028 W 3,019 3,000 - 13 6 3,019	Others 4,182 3,690 1,273 1,875 531 11 3,690 2,417	adjustments W (2,709) (2,234) (998) (515) (711) (10) (2,234) (1,236)	W 45,236 44,261 12,168 23,827 7,496 770 44,261 28,928
Revenue from contracts with customers Categories: Service sales Finished goods sales Merchandise sales Other sales Timing of revenue recognition: Recognition at a point in time Recognition over a	Innovation Co., Ltd. W 20,657 20,642 130 19,479 609 424 20,642 20,512	Telecom Co. Ltd. W 9,599 9,599 8,600 15 706 278 9,599 999	Networks Co., Ltd. W 5,296 4,365 163 229 3,973 4,365 4,202	Co., Ltd. W 1,572 1,572 1,435 117 20 1,572 1,572	Co., Ltd. W 3,611 3,608 1,309 2,258 4 3,608	Co. W	3,028 W 3,019 3,000 - 13 6 3,019 19	Others 4,182 3,690 1,273 1,875 531 11 3,690 2,417	adjustments W (2,709) (2,234) (998) (515) (711) (10) (2,234) (1,236)	W 45,236 44,261 12,168 23,827 7,496 770 44,261 28,928
2. Revenue from contracts with customers Categories: Service sales Finished goods sales Merchandise sales Other sales Timing of revenue recognition: Recognition at a point in time Recognition over a period of time	Innovation Co., Ltd. W 20,657 20,642 130 19,479 609 424 20,642 20,512	Telecom Co. Ltd. W 9,599 9,599 8,600 15 706 278 9,599 999	Networks Co., Ltd. W 5,296 4,365 163 229 3,973 4,365 4,202	Co., Ltd. W 1,572 1,572 1,435 117 20 1,572 1,572	Co. Ltd. W 3,611 3,608 1,309 2,258 44 3,608 443 3,168 3,608	Co. W	3,028 W 3,019 3,000 - 13 6 3,019 19	Others 4,182 3,690 1,273 1,875 531 11 3,690 2,417	adjustments W (2,709) (2,234) (998) (515) (711) (10) (2,234) (1,236)	W 45,236 44,261 12,168 23,827 7,496 770 44,261 28,928

5. Financial instruments

5.1 Financial assets

Details of financial assets as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

	June 30, 2022							
	Financial assets measured at FVTPL	assets assets		Financial assets designated as hedging instruments	Total			
Current assets:								
Cash and cash equivalents Short-term financial instruments	₩ 4,158,961 6,663,748	₩ -	₩ 11,094,496 373,253	₩ -	₩ 15,253,457 7,037,001			
Trade receivables (*1)	45,061	-	12,108,732	-	12,153,793			
Other receivables	160,609	-	2,759,174	-	2,919,783			
Short-term loans	-	-	90,538	-	90,538			
Accrued income		-	161,908	-	161,908			
Short-term investment securities	1,022,684	-	45	-	1,022,729			
Guarantee deposits	-	-	375,008	-	375,008			
Derivative financial assets	145,868	-	-	287,123	432,991			
Lease receivables		<u>-</u>	15,681		15,68 <u>1</u>			
	<u>12,196,931</u>		26,978,835	287,123	39,462,889			
Non-current assets:								
Long-term financial instruments	14,489	-	14,388	-	28,877			
Long-term trade receivables	-	-	468,582	-	468,582			
Long-term other receivables	192,459	-	46,336	-	238,795			
Long-term loans	-	-	446,188	-	446,188			
Long-term investment securities	2,127,820	6,255,966	1,028	-	8,384,814			
Guarantee deposits	-	-	681,489	-	681,489			
Derivative financial assets	727,107	-	-	409,104	1,136,211			
Lease receivables			49,113		49,113			
	3,061,875	6,255,966	1,707,124	409,104	11,434,069			
	<u>₩ 15,258,806</u>	₩ 6,255,966	<u>₩ 28,685,959</u>	₩ 696,227	₩ 50,896,958			

^(*1) Contract assets (unbilled receivables) amounting to ₩1,097,174 million as of June 30, 2022 are not included in the financial assets.

5.1 Financial assets (cont'd)

	December 31, 2021						
			•	Financial			
	Financial	Financial	Financial	assets			
	assets	assets	assets	designated			
	measured at	measured at	measured at	as hedging			
	FVTPL	FVOCI	amortized cost	instruments	Total		
Current assets							
Cash and cash equivalents	₩ 2,800,214	₩ -	₩ 9,517,341	₩ - ₩	₹ 12,317,555		
Short-term financial instruments	5,240,060	-	884,690	-	6,124,750		
Trade receivables (*1)	52,088	-	10,598,250	-	10,650,338		
Other receivables	203,029	-	2,216,530	-	2,419,559		
Short-term loans	-	-	94,031	-	94,031		
Accrued income	-	-	114,924	-	114,924		
Short-term investment securities	353,310	-	45	-	353,355		
Guarantee deposits	-	-	276,658	-	276,658		
Derivative financial assets	92,402	-	-	39,229	131,631		
Lease receivables			19,016		19,016		
	8,741,103		23,721,485	39,229	32,501,817		
Non-current assets							
Long-term financial instruments	18,078	-	30,014	-	48,092		
Long-term trade receivables	-	-	391,739	-	391,739		
Long-term other receivables	256,930	-	61,954	-	318,884		
Long-term loans	-	-	411,711	-	411,711		
Long-term investment securities	1,972,522	7,572,640	1,023	-	9,546,185		
Guarantee deposits	-	-	711,104	-	711,104		
Derivative financial assets	516,067	-	-	224,550	740,617		
Lease receivables			36,175		36,175		
	2,763,597	7,572,640	1,643,720	224,550	12,204,507		
	₩ 11,504,700	₩ 7,572,640	₩ 25,365,205	₩ 263,779	₹ 44,706,324		

^(*1) Contract assets (unbilled receivables) amounting to ₩737,104 million as of December 31, 2021 are not included in the financial assets.

5.2 Financial liabilities

Details of financial liabilities as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

	June 30, 2022							
			Financial					
	Financial		liabilities					
	liabilities		designated as					
	measured at	Other financial	hedging					
	FVTPL	liabilities	instruments	Total				
Current liabilities:								
Short-term borrowings	₩ -	₩ 15,091,213	₩ -	₩ 15,091,213				
Trade payables	-	14,802,757	-	14,802,757				
Other payables	9,073	7,110,372	-	7,119,445				
Current portion of long-term debt	-	10,099,763	-	10,099,763				
Accrued expenses	-	4,350,183	-	4,350,183				
Dividends payable	-	1,089	-	1,089				
Leasehold deposits received	-	235,852	-	235,852				
Derivative financial liabilities	134,202	-	205,804	340,006				
Lease liabilities	-	1,283,358	-	1,283,358				
Finance guarantee liabilities	-	693	-	693				
Financial liabilities at fair value								
through profit or loss	125,210			125,210				
	<u>268,485</u>	52,975,280	205,804	53,449,569				
Non-current liabilities:								
Bonds payable and long-term borrowings	-	42,766,884	-	42,766,884				
Long-term other payables	550	1,486,733	-	1,487,283				
Long-term accrued expenses	-	31,149	-	31,149				
Leasehold deposits received	-	304,858	-	304,858				
Derivative financial liabilities	672,535	-	667	673,202				
Lease liabilities	-	4,203,444	-	4,203,444				
Financial guarantee liabilities	-	17,602	-	17,602				
Financial liabilities at fair value								
through profit or loss	59,123			59,123				
	732,208	48,810,670	667	49,543,545				
	₩ 1,000,693	₩ 101,785,950	₩ 206,471	₩ 102,993,114				

5.2 Financial liabilities (cont'd)

	December 31, 2021							
	Financial liabilities measured at	Other financial	Financial liabilities designated as hedging					
Current liabilities:	<u>FVTPL</u>	liabilities	instruments	<u>Total</u>				
Short-term borrowings	₩ .	- ₩ 7,657,381	₩	₩ 7,657,381				
Trade payables	VV	9,519,544	· · · · · · · · · · · · · · · · · · ·	9,519,544				
Other payables	34,133	, ,	_	7,049,872				
Current portion of long-term debt	04,100	7,828,071	_	7,828,071				
Accrued expenses		4,845,940	_	4,845,940				
Dividends payable		- 887	_	887				
Leasehold deposits received		198,776	_	198,776				
Derivative financial liabilities	270,712	•	50,858	321,570				
Lease liabilities	,	1,250,891	-	1,250,891				
Finance guarantee liabilities		- 642	_	642				
Financial liabilities at fair value								
through profit or loss	160,528	-	-	160,528				
•	465,373	38,317,871	50,858	38,834,102				
Non-current liabilities:								
Bonds payable and long-term borrowings	-	42,620,141	-	42,620,141				
Long-term other payables		1,854,343	-	1,854,343				
Long-term accrued expenses		- 34,035	-	34,035				
Leasehold deposits received		- 298,478	-	298,478				
Derivative financial liabilities	437,512	<u>-</u>	1,723	439,235				
Lease liabilities		3,803,999	-	3,803,999				
Financial guarantee liabilities		- 16,910	-	16,910				
Financial liabilities at fair value								
through profit or loss	59,123			59,123				
	496,635		1,723	49,126,264				
	₩ 962,008	8 <u>₩ 86,945,777</u>	₩ 52,581	₩ 87,960,366				

5.3 Fair values of financial instruments by hierarchy level

1) Fair values and book values of financial instruments as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

		June 30, 2022			<u>December 31, 2021</u>			
		Book value		Fair value		Book value	Fa	air value
Bonds payable	₩	35,936,871	₩	35,572,118	₩	34,856,002	₩ 3	4,967,026
Borrowings		32,020,989		31,560,962		23,249,591	2	3,196,353

The fair value of bonds payable and borrowings was measured as the present value of the contractually determined stream of future cash flows discounted at the market interest rate (1.80% ~ 5.36%) regarding residual market risks. As the book values of other financial assets and other financial liabilities are reasonable approximations to fair values, the fair values have not been disclosed.

- 2) The Group categorized financial instruments measured at fair value based on the inputs to measure the fair value. The level of hierarchy of fair value is as follows:
 - Level 1: inputs are quoted prices (unadjusted) in active markets for identical assets or liabilities that the entity can access at the measurement date;
 - Level 2: inputs are inputs, other than quoted prices included within Level 1, that are observable for the asset or liability, either directly or indirectly; and
 - Level 3: inputs are unobservable inputs for the asset or liability.
- 3) Details of fair values of financial instruments by hierarchy level as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

	June 30, 2022							
		Level 1		Level 2		Level 3		Total
Financial assets:								
Financial assets measured at FVTPL	₩	410,762	₩	11,190,266	₩	2,784,803	₩	14,385,831
Financial assets measured at FVOCI		3,396,041		-		2,859,925		6,255,966
Derivative financial assets		13,855		1,063,126		492,221		1,569,202
	₩	3,820,658	₩	12,253,392	₩	6,136,949	₩	22,210,999
Financial liabilities:								
Financial liabilities measured at FVTPL	₩	-	₩	-	₩	193,956	₩	193,956
Derivative financial liabilities		5,483		330,836		676,889		1,013,208
	₩	5,483	₩	330,836	₩	870,845	₩	1,207,164
				Decembe	r 31			
		Level 1		Level 2		Level 3		Total
Financial assets:								
Financial assets measured at FVTPL	₩	462,531		8,518,311	₩	1,915,389	₩	10,896,231
Financial assets measured at FVOCI		5,260,168				2,312,472		7,572,640
Derivative financial assets		7,219		417,876		447,153		872,248
	₩	5,729,918	₩	8,936,187	₩	4,675,014	₩	<u>19,341,119</u>
Financial liabilities:								
			XXZ		XXZ	253,784	₩	252 704
	₩		₩	-	₩	•	VV	253,784
Pinancial liabilities measured at FVTPL Derivative financial liabilities	₩	600 600		96,891 96,891	w ₩	663,314 917,098	VV	760,805 1,014,589

6. Trade receivables

(1) Details of trade receivables as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

	June 30, 2022					December 31, 2021				
		Current	Non-current			Current	No	n-current		
Trade receivables:										
Trade receivables (*1)	₩	12,617,766	₩	489,517	₩	11,182,015	₩	407,641		
Contract assets (unbilled receivables)		1,097,174		-		737,104		-		
Allowance for doubtful accounts:										
Trade receivables		(463,973)	·	(20,935)		(531,677)		(15,902)		
	₩	13,250,967	₩	468,582	₩	11,387,442	₩	391,739		

^(*1) Includes the net investment amount of the finance lease provided by the Group as a manufacturer or seller.

(2) Contract assets and liabilities related with contracts with customers as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

Contract assets: (*1)		December 31, 2021		
Construction business	₩	855,365	₩ 572,283	
Telecommunication business		123,531	118,278	
Others		303,256	200,349	
	$\overline{\mathbf{W}}$	1,282,152	₩ 890,910	
Contract liabilities: (*2)		June 30, 2022	December 31, 2021	
Construction business	₩	955,387	₩ 973,020	
Telecommunication business		218,317	202,967	
Others		1,015,003	890,405	
	₩	2,188,707	₩ 2,066,392	

^(*1) Contract assets are included in trade receivables and other assets.

^(*2) Contract liabilities are included in advances received and other liabilities.

Trade receivables (cont'd)

(3) Details of construction profit variation by changes of accounting estimates related to construction contracts as of June 30, 2022 are as follows (Korean won in millions):

					Jun	e 30, 2022				
		Change in estimated construction revenue		Change in estimated cost		Impact on current period profit (loss)		Impact on iture period profit		Change in unbilled (overbilled) receivables
SK ecoplant Co., Ltd. and its subsidiaries	₩	975,977	₩	902,012	₩	19,743	₩	54,222	₩	19,743
Others		14,584		15,620		(1,818)		782		(1,818)
	₩	990,561	₩	917,632	₩	17,925	₩	55,004	₩	17,925

Impact on profit of current and future period has been calculated by the estimated construction costs based on the situations which occurred from the inception of construction contracts to current reporting period and the estimated construction revenue as of current reporting period. Estimated construction costs and revenue can be changed in the future period.

(4) Details of the construction contracts where the contract revenue exceeds 5% of the preceding year's revenue under the percentage-of-completion method as of June 30, 2022 are as follows (Korean won in millions):

						Unbilled receivables			Trade re	ecei	eivables (*1)		
Subsidiary	Project	Contract date	Completion date	Percentage (%)		Amount	Impairment		Amount		Allowance for doubtful accounts		
SK ecoplant	RRE Project	2009.12	2016.05	99.99	₩	_	₩	- ₩	:	_	₩	_	
Co., Ltd.	Goseong High Fire power Construction	2014.07	2022.01	98.32		40,664		-		-		-	

(*1) The balance does not include due from customer for construction work.

7. Inventories

Details of inventories as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

			Jun	e 30, 2022		December 31, 2021						
			٧	/aluation	Book		Valuation	Book				
		Cost	a	llowance	value	Cost	allowance	value				
Merchandise	₩	1,336,151	₩	(29,816)₩	1,306,335	₩ 1,031,635 ₹	₩ (36,524)₩	995,111				
Finished goods		4,356,168		(136,734)	4,219,434	2,997,935	(151,075)	2,846,860				
Semi-finished goods and		2,098,082		(173,855)	1,924,227	1,388,745	(118,721)	1,270,024				
work in progress Raw materials and sub-materials		3,309,746		(46,978)	3,262,768	2.327.476	(89,613)	2,237,863				
Materials in transit				(40,976)		, ,	(69,013)					
		5,443,288		-	5,443,288	,,		2,765,034				
Supplies		647,383		(4,457)	642,926	538,897	(4,033)	534,864				
Uncompleted contracts		18,022		-	18,022	17,415	-	17,415				
Others		106,847		(200)	106,647	13,533		13,533				
	₩	17,315,687	₩	(392,040)₩	16,923,647	<u>₩ 11,080,670</u> <u></u>	∀ (399,966) \	10,680,704				

8. Investment securities

Details of investment securities as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

				June 30,	202	22	
		Financial		Financial		Financial	
		assets		assets		assets at	
		at FVTPL	_ a	at FVOCI (*1)	an	nortized cost	Total
Equity instruments:							
Marketable equity instruments	₩	410,762	₩	3,396,041	₩	- ₩	3,806,803
Non-marketable equity instruments		142,472		2,841,171		<u> </u>	2,983,643
		553,234		6,237,212		<u>-</u> _	6,790,446
Bond instruments:							
Beneficiary securities and others		1,684,806		662		_	1,685,468
Debt securities		912,464		18,092		1,073	931,629
		2,597,270		18,754		1,073	2,617,097
	₩	3,150,504	₩	6,255,966	₩	1,073 ₩	9,407,543
Current investment securities	₩	1,022,684	₩		₩	45 ₩	1,022,729
Non-current investment securities		2,127,820		6,255,966		1,028	8,384,814
				December :	31 1	2021	
		Financial		December 3			
		Financial assets		Financial		Financial	
		Financial assets measured at	r				
	_	assets	r	Financial assets	m	Financial assets	Total
Equity instruments:		assets measured at	r	Financial assets neasured at	m	Financial assets neasured at	Total
Equity instruments: Marketable equity instruments		assets measured at		Financial assets neasured at	m <u>am</u>	Financial assets neasured at	
· •	W	assets measured at FVTPL		Financial assets neasured at FVOCI (*1)	m <u>am</u>	Financial assets neasured at nortized cost	
Marketable equity instruments	W	assets measured at FVTPL 462,531		Financial assets measured at FVOCI (*1) 5,260,168	m <u>am</u>	Financial assets neasured at nortized cost	5,722,699
Marketable equity instruments Non-marketable equity instruments Bond instruments:	W	assets measured at FVTPL 462,531 170,478 633,009		Financial assets measured at FVOCI (*1) 5,260,168 2,304,673 7,564,841	m <u>am</u>	Financial assets neasured at nortized cost	5,722,699 2,475,151 8,197,850
Marketable equity instruments Non-marketable equity instruments Bond instruments: Beneficiary securities and others	₩	assets measured at FVTPL 462,531 170,478 633,009 716,254		Financial assets measured at FVOCI (*1) 5,260,168 2,304,673 7,564,841	m <u>am</u>	Financial assets neasured at nortized cost - \times	5,722,699 2,475,151 8,197,850 716,917
Marketable equity instruments Non-marketable equity instruments Bond instruments:	W	assets measured at FVTPL 462,531 170,478 633,009 716,254 976,569		Financial assets measured at FVOCI (*1) 5,260,168 2,304,673 7,564,841 663 7,136	m <u>am</u>	Financial assets neasured at nortized cost - ₩	5,722,699 2,475,151 8,197,850 716,917 984,773
Marketable equity instruments Non-marketable equity instruments Bond instruments: Beneficiary securities and others		assets measured at FVTPL 462,531 170,478 633,009 716,254 976,569 1,692,823	W 	Financial assets measured at FVOCI (*1) 5,260,168 2,304,673 7,564,841 663 7,136 7,799	m <u>am</u> ₩	Financial assets neasured at nortized cost - \times \frac{1,068}{1,068}	5,722,699 2,475,151 8,197,850 716,917 984,773 1,701,690
Marketable equity instruments Non-marketable equity instruments Bond instruments: Beneficiary securities and others Debt securities	<u>W</u>	assets measured at FVTPL 462,531 170,478 633,009 716,254 976,569 1,692,823 2,325,832	₩ <u>₩</u>	Financial assets measured at FVOCI (*1) 5,260,168 2,304,673 7,564,841 663 7,136	m <u>am</u> ₩	Financial assets neasured at nortized cost - \times \frac{1,068}{1,068} \frac{1,068}{1,068}	5,722,699 2,475,151 8,197,850 716,917 984,773 1,701,690 9,899,540
Marketable equity instruments Non-marketable equity instruments Bond instruments: Beneficiary securities and others		assets measured at FVTPL 462,531 170,478 633,009 716,254 976,569 1,692,823	₩ <u>₩</u>	Financial assets measured at FVOCI (*1) 5,260,168 2,304,673 7,564,841 663 7,136 7,799	m <u>am</u> ₩	Financial assets neasured at nortized cost - \times \frac{1,068}{1,068}	5,722,699 2,475,151 8,197,850 716,917 984,773 1,701,690

^(*1) The Group has applied the irrevocable option to designate the equity instruments held for strategic investment, not for held-for-trading purpose, at the date of initial application, as items measured at FVOCI.

9. Investments in associates and joint ventures

(1) Investments in associates and joint ventures

Details of investments in associates and joint ventures as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

	_		June 30, 2022	2	December 31, 2021
		Equity ownership	Acquisition	Book	Book
Company	Domicile	(*1)	cost	value	value
Associates:		\ ·/			
SK Hynix Inc.	Korea	20.1%	₩ 5,420,310	₩14,698,234	₩ 13,746,931
Vingroup Joint Stock Company (*2)	Vietnam	6.1%	957,882	1,066,351	984,778
Eureka Midstream Holdings	USA	40.0%	465,582	583,118	523,829
VCM Services And Trading Development Joint Stock Company (*2)	Vietnam	16.0%	465,019	494,210	454,794
Masan Group Corporation (*2)	Vietnam	9.3%	457,718	427,550	419,935
SK Eco Engineering Co., Ltd.(*3)	Korea	50.0%	487,863	499,469	-
Darwin LNG Pty Ltd.	Australia	25.0%	419,675	473,123	438,090
Center For Breakthrough Medicines Holdings, LLC	USA	40.0%	409,059	431,145	237,277
Shenzhen Londian Wason Holdings Group. Co., Ltd.	China	26.0%	383,369	477,059	443,661
The CrownX Corporation (*2)	Vietnam	4.9%	348.648	399.433	361,163
FR BR Aggregator	USA	39.0%	350,718	329,214	301,159
Huizhou EVE United Energy Co., Ltd.	China	49.0%	344,465	439.083	430.164
Peru LNG Company, LLC	USA	20.0%	331,144	328,705	258,037
Daehan Oil Pipeline Corporation	Korea	41.0%	311,372	317,417	317,050
NHIP II Bison Holdings, LLC	USA	24.5%	297,511	316,053	265,634
Hana Card Co., Ltd. (*2)	Korea	15.0%	253,707	368,389	349,866
Yemen LNG Company Ltd. (*2,4)	Yemen	6.9%	252,813	-	-
Canakkale Highway And Bridge	Turkiye	25.0%	290,219	336,528	276,853
Korea IT Fund (*5)	Korea	63.3%	242,170	329,508	339,976
ProteoVant Sciences, Inc.	USA	40.0%	222,370	225.942	212,874
Joyvio (*2)	China	14.0%	213,793	248,954	240,006
Content Wavve Corp	Korea	36.4%	165,341	124,463	141,142
Best Oil Company Limited	Myanmar	35.0%	153,024	139,971	132,430
TBM Co., Ltd. (*2)	Ĵapan	13.5%	141,971	125,757	138,602
ENN (Zhoushan) LNG Co., Ltd. (*2)	China	10.0%	133,234	140.652	130,473
8 Rivers Capital LLC (*2,6)	USA	12.5%	120,495	127,521	-
Others				2,057,382	1,894,323
				25,505,231	23,039,047
Joint ventures (*6):					
Sinopec-SK (Wuhan) Petrochemical Co., Ltd.	China	35.0%	676,332	1,115,088	1,140,152
Mitsui Chemicals & SKC Polyurethanes Inc. (*8)	Korea	-	-	-	397,417
Beijing BESK Technology Co., Ltd.	China	49.0%	247,428	268,196	261,564
Lunar Energy, Inc.	USA	50.0%	181,620	155,825	73,042
ZETA CAYMAN Limited	Cayman	50.0%	178,774	138,821	108,562
Ignis Therapeutics	Cayman	46.9%	177,525	109,978	93,980
Eurasia Tunnel	Turkiye	50.0%	174,215	385,957	323,192
Parkingcloud Corp.	Korea	47.0%	160,038	156,514	160,038
Boryeong LNG Terminal Co., Ltd.	Korea	50.0%	133,323	157,481	146,686
SABIC SK Nexlene Company Pte. Ltd.	Singapore	50.0%	112,670	159,145	125,952
Others				467,795	180,813
				3,114,800	3,011,398
				₩28,620,031	₩ 26,050,445

9. Investments in associates and joint ventures (cont'd)

- (*1) Equity ownership includes indirect investments held by the consolidated subsidiaries.
- (*2) The Group retains significant influence on the associate despite having less than 20% equity interests.
- (*3) During the current period, the Group lost control by selling part of SK Eco Engineering Co., Ltd. Therefore, it has been transferred to investment in affiliates from investment in subsidiaries.
- (*4) Impairment losses on investments in associates were fully recognized as there was an indication of impairment prior to the current period.
- (*5) These companies were not included as consolidated subsidiaries as the Group does not have control over more than half of the voting rights by agreements.
- (*6) It was newly acquired during the current period.
- (*7) All joint arrangements that the Group has joint control over are structured by a consolidated entity. The parties that have joint control with respect to the joint agreements hold the rights to the net assets of the agreements and accordingly, they are classified as joint ventures.
- (*8) Although the Group's stake in Mitsui Chemicals & SKC Polyurethanes Inc. does not exceed 50%, it was transferred from joint venture investment to investment in subsidiary during the three month period ended June 30, 2022 as the Group exercises substantial control at the board.
- (2) Changes in carrying amount of investments in associates and joint ventures

Changes in investments in associates and joint ventures accounted for using the equity method for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

						For t	he s	ix-month period e	ende	d June 30, 202	2				
								Equity profit		Other					
	Begin balar		٨٠	cauisitions		Disposals		or losses on investments	co	mprehensive income		ividends eceived	(Others (*1)	Ending balance
Associates		39.047		1.308.764	₩	(12,393)	147	1.049.248	₩	299.857		(322.735)	A/	143.443 ₩	25,505,231
Joint ventures		11.398	**	211.961	**	(185)	**	(11.719)		98.963	•••	(67.540)	**	(128,078)	3.114.800
John Vehicles		50.445	₩	1.520.725	₩	(12.578)	₩	1.037.529		398.820	₩	(390.275)	₩	15.365 W	28.620.031
		-							_						
						For t	he s	ix-month period e	ende	d June 30, 202	1				
								Equity profit		Other					
	Begin	ning						or losses on	CO	mprehensive	D	ividends	(Others	Ending
	balar			cquisitions		Disposals		investments		income		eceived		(*1)	balance
Associates	₩ 18,1	47,495	₩	3,363,906	₩	(16,585)	₩	602,205	₩	153,004	₩	(213,923)	₩	162,766 ₩	22,198,868
Joint ventures		71,468		69,369				114,980		118,706		(15,875)		(440,043)	2,718,605
	₩ 21,0	18,963	₩	3,433,275	₩	(16,585)	₩	717,185	₩	271,710	₩	(229,798)	₩	(277,277) W	24,917,473

- (*1) Others include the effects of changes in scope of consolidation, net foreign currency differences and others.
- (3) Details of unrecognized changes in equity method caused by discontinuing the application of equity method as of June 30, 2022 are as follows (Korean won in millions):

	Begin	ning balance	Changes	End	ing balance
Pentaport Development Co., Ltd.	₩	79,347	₩	- ₩	79,347
Korea Consortium Kazakh B.V.		175,694		-	175,694
Yemen LNG Company Ltd. and others		75,168	(1,35	52)	73,816

9. Investments in associates and joint ventures (cont'd)

(4) Condensed financial information of significant investments in associates and joint ventures as of June 30, 2022 are as follows (Korean won in millions):

	As of and for the year ended June 30, 2022												
		Current assets	N	on-current assets		Current liabilities	Non-curr	ent		Sales	Net income (loss)	cor	Total mprehensive income (loss)
Associates:	***	00 740 070	***	74 400 040	***	40 000 005	III 00 540	457	***	05 000 054	W 4 050 740		5 077 050
	₩	29,719,276	₩	74,428,346	₩				₩		₩ 4,859,749		5,877,056
Vingroup Joint Stock Company		9,424,576		15,115,403		8,253,842	8,804			2,772,476	(454,779		(454,779)
Eureka Midstream Holdings VCM Services And Trading Development Joint Stock Company		43,432 480,501		1,104,884 404,801		23,758 470,466		,577 ,231		63,830 744,325	31,164 (19,539		31,164 (19,539)
Masan Group Corporation		2,132,048		4,778,148		2,153,640	2,713	,899		2,198,879	469,713	3	461,511
SK Eco Engineering Co., Ltd.		729,384		31,844		518,087	37	,939		894,789	61,60°	1	61,601
Darwin LNG Pty Ltd.		259,995		38,320		150,620	27	,831		331,348	7,328	3	7,328
Center For Breakthrough Medicines Holdings, LLC		283,938		105,816		46,329	7	,385		2,745	(47,62	1)	(47,621)
Shenzhen Londian Wason Holdings Group Co., Ltd.		1,310,362		1,116,141		1,271,594	208	,291		703,143	67,33	5	67,335
The CrownX Corporation		1,401,071		1,396,886		1,088,391	506	,853		1,590,782	113,084	4	113,084
FR BR Aggregator		2,328		1,442,169		7,180	595	,883		-	(1,27	5)	(1,275)
Huizhou EVE United Energy Co., Ltd.		906,732		677,159		588,097	80	,777		755,924	(19,71		(19,717)
Peru LNG Company, LLC		1,599,975		2,316,923		876,313	1,396	.831		2,483,221	237,04	5	237,045
Daehan Oil Pipeline Corporation		130,963		893,231		29,896		,246		89,537	23,570		23,570
NHIP II Bison Holdings, LLC		23,771		1,259,838				,496			107.70		107,700
Hana Card Co., Ltd.		9.801.017		431,125		1,585,436	6.485			624.344	126.68	5	130,274
Canakkale Highway And Bridge		445,609		3,860,521		32,731	2,944	,		155,976	(6,89		177,525
Korea IT Fund		95,176		425.100		-	_,	-		15.777			3.066
ProteoVant Sciences, Inc.		207,209		10,399		25,884	21	,387		732	(16,35		(16,351)
Joyvio		2,039,114		2,590,865		1,575,113	1,287			1,903,151	3.05	,	(2,572)
Content Wavve Corp		198,279		131,938		74,100		,988		124,852	(61,200		(61,200)
Best Oil Company Limited		401,793		209.102		365,397		,215		551,293	12.04		12.044
TBM Co., Ltd.		114,797		56,406		7,161		,786		13,431	(9,66		(9,665)
ENN (Zhoushan) LNG Co., Ltd.		91,546		1,054,451		91,062		,635		85,168	34,938		34,938
8 Rivers Capital LLC		122,489		11,272		6,896		,142		1,959	(13,493		(13,493)
Joint ventures:		,		,		-,		,		,	(-,	,	(-,,
Sinopec-SK (Wuhan) Petrochemical Co., Ltd.		1,470,721		4,652,488		2,137,574	1,028	,332		5,318,858	1,87	1	1,871
Beijing BESK Technology Co., Ltd	d.	454,104		487,401		362,978	26	,795		337,778	(5,728	3)	(5,728)
Lunar Energy, Inc.		216,507		144,370		9,727		,539		1,912	(47,184	,	(47,184)
ZETA CAYMAN Limited		754		277,364		481		-		-,	(924		38,956
Ignis Therapeutics		117,346		228,193		366		573		_	(5,619		(5,447)
Eurasia Tunnel		181,498		1,634,539		226.313	894	.283		4.624	18,49		19,394
Parkingcloud Corp		123,337		88,099		33,911		,415		34,422	(3,95		(3,955)
Boryeong LNG Terminal Co., Ltd.		143,897		1,541,538		81,111	1,313			194,181	21,33		21,325
SABIC SK Nexlene Company		350,570		496,110		101,516		,894		319,481	77,06		32,503
Pte. Ltd.		,		,		,				, -	,		,

10. Property, plant and equipment

(1) Details of property, plant and equipment as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

		June 30, 2022	December 31, 2021
Acquisition cost	₩	79,384,407	₩ 73,850,563
Accumulated depreciation			
and accumulated impairment losses		(24,658,006)	(22,466,738)
	$\underline{\mathbb{W}}$	54,726,401	₩ 51,383,825

(2) Changes in property, plant and equipment for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

			For the si	x-month period	ended June 30, 2	022	
	Beginning	Business					Ending
	balance	combination	Acquisitions	Disposals	Depreciation	Others (*1)	balance
Land	₩ 9,294,248	₩ 12,318	₩ 5,248	₩ (53,989)	₩ -	₩ 69,266	₩ 9,327,091
Buildings	6,003,660	26,870	7,049	(29,221)	(130,031)	775,373	6,653,700
Structures	1,986,791	5,765	4,242	(1,306)	(71,062)	65,192	1,989,622
Machinery and equipment	20,825,354	60,056	187,540	(57,071)	(2,054,255)	2,168,688	21,130,312
Vehicles	180,594	7,514	3,444	(714)	(16,886)	6,674	180,626
Operating lease asset	1,942,319	-	483,175	(13,795)	(220,574)	(92,519)	2,098,606
Others	4,447,473	118,154	735,255	(2,980)	(385,645)	(145)	4,912,112
Construction-in-progress	6,703,386	4,932	4,196,322	(3,030)		(2,467,278)	8,434,332
	₩ 51,383,825	₩ 235,609	₩ 5,622,275	₩ (162,106)	₩ (2,878,453)	₩ 525,251	₩ 54,726,401

			For the si	x-month period	ended June 30, 2	021	
	Beginning	Business					Ending
	balance	combination	Acquisitions	Disposals	Depreciation	Others (*1)	balance
Land	₩ 8,514,509	₩ 844,481	₩ 12,575	₩ (27,953)	₩ -	₩ (95,222)	₩ 9,248,390
Buildings	4,567,149	225,132	9,018	(1,562)	(101,270)	174,668	4,873,135
Structures	1,660,194	47,440	4,823	(6,220)	(61,227)	25,188	1,670,198
Machinery and equipment	20,261,529	76,137	203,380	(77,372)	(1,949,758)	1,791,743	20,305,659
Vehicles	199,411	298	5,114	(501)	(16,936)	3,058	190,444
Operating lease asset	1,786,789	-	473,990	(16,192)	(223,061)	(116,005)	1,905,521
Others	3,382,742	13,655	647,056	(3,278)	(359,305)	545,957	4,226,827
Construction-in-progress	5,523,271	12,536	2,708,438	(1,809)		(1,871,957)	6,370,479
	₩ 45,895,594	₩ 1,219,679	₩ 4,064,394	₩ (134,887)	<u>₩ (2,711,557</u>)	₩ 457,430	₩ 48,790,653

(*1) Others include changes in consolidation scope, transfer of intangible assets and investment properties, impairment losses, net translation differences and others.

11. Right-of-use assets and lease liabilities

(1) Details of right-of-use assets as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

		June 30, 2022	<u>December 31, 2021</u>
Acquisition cost	₩	7,821,144	₩ 7,234,373
Accumulated depreciation			
and accumulated impairment losses		(2,429,156)	(2,200,057)
	₩	5,391,988	₩ 5,034,316

(2) Changes in right-of-use assets for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

			For the si	x-month period	ended June 30. 2	022	
	Beginning	Business					Ending
	balance	combination	Acquisitions	Disposals	Depreciation	Others (*1)	balance
Land and buildings	₩ 2,200,309	₩ 9,523	₩ 438,650	₩ (69,931)	₩ (305,394)	₩ 8,008	₩ 2,281,165
Tank	172,618	-	22,240	(36)	(30,887)	1,337	165,272
Ships and vessels	1,234,191	-	245,070	-	(55,274)	77,787	1,501,774
Vehicles	1,167,310	36,476	202,177	(132,918)	(136,810)	1,431	1,137,666
Others	259,888		52,296	(17,049)	(44,150)	55,126	306,111
	₩ 5,034,316	₩ 45,999	₩ 960,433	₩ (219,934)	₩ (572,515)	₩ 143,689	₩ 5,391,988
			For the si	x-month period	ended June 30, 2	021	
	Beginning	Business	For the si	x-month period	ended June 30, 2	021	Ending
	Beginning balance	Business combination	For the si	x-month period Disposals	ended June 30, 2 Depreciation	021 Others (*1)	Ending balance
Land and buildings			Acquisitions	•	Depreciation	Others (*1)	•
Land and buildings Tank	balance	combination	Acquisitions	Disposals		Others (*1)	balance
· ·	<u>balance</u> ₩ 3,230,719	combination	Acquisitions ₩ 576,120			Others (*1) W (1,125,658)	<u>balance</u> ₩ 2,220,680
Tank	balance ₩ 3,230,719 217,252	combination	Acquisitions ₩ 576,120		Depreciation \(\pi\) (274,560) (32,158)	Others (*1) W (1,125,658) (202)	balance ₩ 2,220,680 186,200
Tank Ships and vessels	<u>balance</u> ₩ 3,230,719 217,252 1,013,186	$\begin{array}{c} \underline{\text{combination}} \\ \mathbb{W} & 24,539 \\ \\ - \\ - \end{array}$	Acquisitions ₩ 576,120 2,071	<u>Disposals</u> ₩ (210,480) (763)	Depreciation \(\pi\) (274,560) (32,158) (45,930)	Others (*1) W (1,125,658) (202) 10,204	balance ₩ 2,220,680 186,200 977,460

- (*1) The amounts include exclusion from the scope of consolidation, net foreign exchange differences and others.
- (3) Changes in lease liabilities for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

			For the	six-month p	<u>eriod ended J</u>	une 30, 2022		
	Beginning	Business		Interest			Others	Ending
	balance	combination	Increase	expenses	Decrease	Transfer	(*1)	balance
Lease liabilities	₩ 5,054,890	₩ 47,781	₩ 933,745	₩ 63,288	₩ (598,235)	₩ (36,905)	₩ 22,239	₩ 5,486,803
					,	, ,		
			For the	six-month p	eriod ended J	lune 30, 2021		
•	Beginning	Business		Interest			Others	Ending
	balance	combination	Increase	expenses	Decrease	Transfer	(*1)	balance
Lease liabilities	₩ 5,665,951	₩ 24,849	₩ 865,208	₩ 56,782	₩ (578,632	₩ (31,444)	₩(1,297,684	₩ 4,705,030

(*1) The amounts include exclusion from the scope of consolidation, net foreign exchange differences and others.

The Group recognized lease payments of $\mbox{$W$115,637$}$ million ($\mbox{$W$69,547$}$ million as of June 30, 2021) in relation to short-term lease, $\mbox{$W$5,028$}$ million ($\mbox{$W$5,845$}$ million as of June 30, 2021) in relation to leases of low-value assets, and $\mbox{$W$88,831$}$ million ($\mbox{$W$69,600$}$ million as of June 30, 2021) in relation to variable lease payments in cost of sales and selling and administrative expenses during the period ended June 30, 2022. The total cash outflow of leases during the period ended June 30, 2022 is $\mbox{$W$807,731$}$ million ($\mbox{$W$723,624$}$ million as of June 30, 2021).

12. Investment property

(1) Details of investment property as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

		June 30, 2022	December 31, 2021
Acquisition cost	₩	1,757,894	₩ 1,125,221
Accumulated depreciation			
and accumulated impairment loss		(173,222)	(158,093)
	$\overline{\mathbb{W}}$	1,584,672	₩ 967,128

(2) Changes in investment property for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

				For th	e six	-month period	ende	ed June 30, 2	022)		
		Beginning balance		Acquisition		Disposal	De	epreciation		Others (*1)		Ending balance
Land	₩	544,584	₩	305,061	₩	(4,090)	₩	-	₩	343	₩	845,898
Buildings		417,545		244,012		(1,942)		(9,722)		83,877		733,770
Structures		4,999		<u>5</u>		<u>-</u>		(76)		76		5,004
	₩	967,128	₩	549,078	₩	(6,032)	₩	(9,798)	₩	84,296	₩	1,584,672
				For th	e six	-month period	ende	ed June 30, 2	021			
		Beginning										Ending
		balance		Acquisition		Disposal	De	epreciation_	_	Others (*1)		balance
Land	₩	501,528	₩	-	₩	(5,564)	₩	-	₩	(118,352)	₩	377,612
Buildings		63,800		494		(107,610)		(4,668)		133,067		85,083
Structures		3,828		452				(38)		47		4,289
	₩	<u>569,156</u>	₩	946	₩	(113,174)	₩	(4,706)	₩	14,762	₩	466,984

(*1) This includes transferred amounts to property, plant and equipment, net translation differences and others.

13. Goodwill

(1) Changes in goodwill for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

		June 30, 2022		June 30, 2021
Beginning balance	₩	5,618,511	₩	4,463,951
Business combination (see Note 35)		1,873,999		575,546
Others (*1)		263,591		104,562
Ending balance	₩	7,756,101	₩	5,144,059

(*1) Others include net translation differences, retroactive adjustment amount of identifiable net assets in accordance with past business combination.

14. Intangible assets

Details of intangible assets for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

		F	or the six-month	period ended	June 30, 2022		
	Beginning	Business					Ending
	balance	combination	Acquisitions	Disposals	Amortization	Others (*3)	balance
Development costs	₩ 292,091 ₩	∀ 1,487	₩ 23,335 ₩	∀ (337)	₹ (38,106)	₹ 5,289	₩ 283,759
Facility usage rights	51,727	2,239	432	(1)	(3,542)	194	51,049
Industrial property rights	122,489	2,723	10,354	(1,15 5)	(6,895)	1,004	128,520
Frequency usage rights	2,559,690	-	-	-	(238,390)	-	2,321,300
Customer-related assets	2,915,524	-	391	(126)	(137,645)	47,709	2,825,853
Membership (*1)	308,690	1,171	32,686	(13,497)	-	2,392	331,442
Development costs for petroleum resource	1,134,207	-	84,246	-	(34,084)	23,408	1,207,777
Brand-related assets (*1)	2,634,144	-	_	_	_	2,553	2,636,697
Developed technology	870,417	-	-	-	(79,470)	36,246	827,193
Others (*2)	1,792,911	136,691	64,181	(3,829)	(325,878)	94,930	1,759,006
	₩ 12,681,890 ₩	₹ 144,311	₩ 215,625 ₩	∀ (18,945)	₩ (864,010)	₹ 213,725	₩12,372,596
		F	or the six-month	period ended	June 30, 2021		
	Beginning	Business					Ending
	balance	combination	Acquisitions	Disposals	Amortization		
Development costs				Biopodaio	Amortization	Others (*3)	balance
= - · - · - - · · · · · · · · · · · · ·	₩ 219,166 ₩	₹ 1,337					
Facility usage rights	₩ 219,166 ₩ 43,505	∀ 1,337					
	=,	∀ 1,337 - -	₩ 34,015 ₩	₹ (1,660)	₹ (29,384)	₹ 24,139	₩ 247,613
Facility usage rights	43,505	¥ 1,337 - - -	₩ 34,015 ¥ 513	∀ (1,660) (3)	₩ (29,384) (3,555)	₹ 24,139 1,255	W 247,613 41,715
Facility usage rights Industrial property rights	43,505 87,019	¥ 1,337 - - - -	₩ 34,015 ₩ 513 19,210 - 14,344	∀ (1,660) (3)	(29,384) \(\frac{1}{3}\) (3,555) (4,258)	₹ 24,139 1,255	₩ 247,613 41,715 102,918
Facility usage rights Industrial property rights Frequency usage rights	43,505 87,019 1,932,765	¥ 1,337 - - - - -	₩ 34,015 ₩ 513 19,210	∀ (1,660) (3) (9)	(29,384) (3,555) (4,258) (255,873)	¥ 24,139 1,255 956	W 247,613 41,715 102,918 1,676,892
Facility usage rights Industrial property rights Frequency usage rights Customer-related assets	43,505 87,019 1,932,765 2,999,320	₹ 1,337 - - - - -	₩ 34,015 ₩ 513 19,210 - 14,344	∀ (1,660) (3) (9) - (185)	(29,384) (3,555) (4,258) (255,873)	¥ 24,139 1,255 956 - 75,894	¥ 247,613 41,715 102,918 1,676,892 2,958,216 287,460
Facility usage rights Industrial property rights Frequency usage rights Customer-related assets Membership (*1) Development costs for petroleum	43,505 87,019 1,932,765 2,999,320 284,835	₹ 1,337 - - - - - -	₩ 34,015 ₩ 513 19,210 - 14,344 11,936	∀ (1,660) (3) (9) - (185)	(29,384) (3,555) (4,258) (255,873) (131,157)	¥ 24,139 1,255 956 - 75,894 189	¥ 247,613 41,715 102,918 1,676,892 2,958,216 287,460
Facility usage rights Industrial property rights Frequency usage rights Customer-related assets Membership (*1) Development costs for petroleum resource	43,505 87,019 1,932,765 2,999,320 284,835 1,149,011	₹ 1,337 - - - - - - -	₩ 34,015 ₩ 513 19,210 - 14,344 11,936	∀ (1,660) (3) (9) - (185)	(29,384) (3,555) (4,258) (255,873) (131,157)	¥ 24,139 1,255 956 - 75,894 189 (606,364)	W 247,613 41,715 102,918 1,676,892 2,958,216 287,460 569,010
Facility usage rights Industrial property rights Frequency usage rights Customer-related assets Membership (*1) Development costs for petroleum resource Brand-related assets (*1)	43,505 87,019 1,932,765 2,999,320 284,835 1,149,011 2,631,393	₹ 1,337 - - - - - - - - 251,880	₩ 34,015 ₩ 513 19,210 - 14,344 11,936	∀ (1,660) (3) (9) - (185)	W (29,384) (3,555) (4,258) (255,873) (131,157) (14,408)	¥ 24,139 1,255 956 - 75,894 189 (606,364)	W 247,613 41,715 102,918 1,676,892 2,958,216 287,460 569,010 2,631,699

- (*1) Membership and brand-related assets are classified as intangible assets with infinite useful lives and are not amortized.
- (*2) This comprises intangible assets recognized through business combination, software, usable and profitable donation assets and others.
- (*3) This includes exclusion from the scope of consolidation, impairment loss, net translation differences, transfer to intangible assets or property, plant and equipment from construction-in-progress and others.

15. Borrowings and bonds payable

(1) Details of borrowings and bonds payable as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

		June 30, 2022			December 31, 2021		
		Current	Non-current		Current	Non-current	
Short-term borrowings (*1)	₩	15,091,213	₩ -	₩	7,657,381	₩ -	
Bonds and long-term borrowings:							
Bonds payable		6,626,163	29,310,708		5,613,715	29,242,287	
Long-term borrowings		3,473,600	13,456,176	_	2,214,356	13,377,854	
		10,099,763	42,766,884		7,828,071	42,620,141	
	₩	25,190,976	₩ 42,766,884	₩	15,485,452	<u>₩ 42,620,141</u>	

- (*1) It includes borrowings collaterized for trade receivables of \$90,638 million and \$89,423 million as of June 30, 2022 and December 31, 2021, respectively, which were transferred but not derecognized.
- (2) Details of bonds payable as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

		June 30, 2022	December 31, 2021
SK Inc.	₩	6,935,000	₩ 6,735,000
SK Innovation Co., Ltd.		1,306,450	1,252,750
SK Energy Co., Ltd.		3,550,000	3,360,000
SK Geo Centric Co., Ltd.		1,860,000	1,750,000
SK Incheon Petrochem Co., Ltd.		2,037,000	2,110,000
SK Lubricants Co., Ltd.		1,020,000	720,000
SK Battery America, Inc.		1,292,900	1,185,500
SK On Co., Ltd.		700,000	700,000
SK Earthon Co., Ltd.		150,000	150,000
SK Telecom Co., Ltd.		6,901,480	6,822,600
SK Broadband Co., Ltd.		1,607,870	1,625,650
SK Shieldus Co., Ltd.		297,823	297,823
SK Networks Co., Ltd.		1,110,000	1,040,000
SK Magic Co., Ltd.		420,000	360,000
SK Rent-a-Car Co., Ltd.		670,000	720,000
SKC Co., Ltd.		262,900	398,807
SK Telesys Co., Ltd.		30,000	30,000
SKC Hightech & Marketing Co., Ltd.		10,000	10,000
SK E&S Co., Ltd.		1,230,000	1,380,000
Paju Energy Service Co., Ltd.		730,000	730,000
Narae Energy Service Co., Ltd.		360,000	360,000
Yeoju Energy Service Co., Ltd.		200,000	200,000
Ige Co., Ltd.		130,000	-
SK Ecoplant Co., Ltd.		1,670,000	1,558,000
SK Specialty Co., Ltd.		460,000	460,000
SK Materials Airplus Incorporated.		100,000	100,000
SK Siltron Co., Ltd.		881,000	779,000
Teraon Co., Ltd.		10	10
SK Signet Inc.		500	2,800
YES POWERTECHNIX		1,000	<u>-</u>
		35,923,933	34,837,940
Addition: premium on bonds payable		12,938	18,062
Less: current portion		(6,626,163)	(5,613,715)
	₩	29,310,708	<u>₩ 29,242,287</u>

15. Borrowings and bonds payable (cont'd)

(3) Details of long-term borrowings as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

		Interest	June 30,	December 31,
Financial institution	Description	rate (%)	2022	2021
Korea Development Bank and others	General	0.00 ~ 4.75 ₩	₹ 6,238,094	₩ 7,062,438
Korea Development Bank and others	Fund for facility	0.00 ~ 4.90	4,818,730	4,300,193
Standard Chartered Bank and others	Foreign borrowings	0.00 ~ 8.00	3,911,123	2,463,366
Korea Energy Agency (*1)	Fund for mine exploration	0.00 ~ 8.75	67,403	61,804
Econg 1st Co., Ltd. and others	Callable preferred share	2.20 ~ 2.64	100,000	100,420
Korea Development Bank and others	Fund for operation	0.00 ~ 3.43	430,889	252,276
KEB Hana Bank	Fund for reasonable energy consumption	1.75	-	3,477
Korea Development Bank and others	Takeover	LIBOR(3M) + 1.60	181,006	165,970
Mizuho Bank and others	Takeover	EURIBOR(3M) + 0.70	217,358	216,117
MD Prime 1st Co., Ltd. and others	Others	3.07, 3.20	1,007,818	1,007,818
			16,972,421	15,633,879
Addition (less): premium (discount)			(42,645)	
Less: current portion		_	(3,473,600)	
		<u>¥</u>	∀ 13,456,176	₩ 13,377,854

(*1) As of June 30, 2022 and December 31, 2021, the group holds a loan amounting to \mathbb{W} 58,260 million and \mathbb{W} 53,420 million from Korea Energy Agency for the purpose of oil exploration and development in which there is no repayment obligation in case for failure in exploration.

Long-term borrowings presented above are to be repaid either in installments or all at once upon maturity. Financial instruments and other assets of the Group are pledged as detailed in Note 32.

16. Provisions

Changes in the provisions for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

	For the six-month period ended June 30, 2022											
	В	eginning					Е	nding				Non-
		balance	Increa	se	De	ecrease	ba	alance		Current		current
Provision for sale warranties	₩	131,417	₩ 40	,851	₩	(5,853)	₩	166,415	₩	34,506	₩	131,909
Provision for service / construction warranties		99,366	7	,965		(7,502)		99,829		99,829		-
Provision for restoration		581,157	49	,477		(19,994)		610,640		75,028		535,612
Provision for onerous contracts		256,190	7	,943		(46,583)		217,550		201,728		15,822
Other provisions		168,371	213	,113		(159,707)		221,777		158,191		63,586
	₩	1,236,501	₩ 319	,349	₩	(239,639)	₩ 1	,316,211	₩	569,282	₩	746,929
			For tl	ne six	-mo	nth period	dend	ed June 3	30, 2	2021		
	В	eginning	For tl	ne six	-mo	nth period		ed June 3 Inding	30, 2	2021		Non-
		eginning balance	For the Increa			nth period	Е			2021 Current		Non- current
Provision for sale warranties			Increa	se	De	•	ba	nding				
Provision for sale warranties Provision for service / construction warranties		balance	Increa ₩ 16	se	De	ecrease	E ba ₩	nding alance		Current		current
		<u>balance</u> 91,319	<u>Increa</u> ₩ 16	se ,712	De	ecrease (4,981)	ba ₩	nding alance 103,050		Current 4,751		98,299
Provision for service / construction warranties		91,319 101,415	Increa ₩ 16 11 298	se ,712 ,947	De	ecrease (4,981) (9,395)	E ba ₩	inding alance 103,050 103,967		Current 4,751 103,519		98,299 448
Provision for service / construction warranties Provision for restoration		91,319 101,415 166,855	<u>Increa</u> ₩ 16 11 298 18	se ,712 ,947 ,526	De	ecrease (4,981) (9,395) (6,688)	E ba ₩	inding alance 103,050 103,967 458,693		Current 4,751 103,519 57,627		98,299 448 401,066

17. Defined benefit liabilities

(1) Details of defined benefit liabilities as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

		<u>June 30, 2022 </u>	<u>Decer</u>	mber 31, 2021
Present value of defined benefit obligation	₩	3,721,636	₩	3,609,349
Fair value of plan assets (*1)		(3,366,660)		(3,381,561)
	₩	354,976	₩	227,788

- (*1) The Group has recognized $\mbox{$\mathbb{W}$}29{,}122$ million and $\mbox{$\mathbb{W}$}56{,}150$ as defined benefit assets as of June 30, 2022 and December 31, 2021.
- (2) Changes in the defined benefit liabilities for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

	For the six-month period ended June 30, 2022					
	Present value					
		of defined				
		benefit	Fair value of			
		obligation	plan assets	Total		
Beginning balance	₩	3,609,349	₩ (3,381,561)₩	227,788		
Business combination		22,573	(21,728)	845		
Provision for pension benefits:						
Current service cost		228,708	-	228,708		
Past service cost		31	-	31		
Net interest expense (income)		51,118	(48,408)	2,710		
Remeasurement:						
Return on plan assets		-	24,105	24,105		
(excluding amounts included in net interest expenses))					
Actuarial changes arising from changes		(69,828)	-	(69,828)		
in financial assumptions and others						
Contributions by employer directly to plan assets		101	(87,435)	(87,334)		
Benefit paid		(188,496)	195,012	6,516		
Others		68,080	(46,645)	21,435		
Ending balance	₩	3,721,636	₩ (3,366,660)	354,976		

17. Defined benefit liabilities (cont'd)

	For the six-month period ended June 30, 2021					
	Present value					
		of defined				
		benefit	Fair value of			
		obligation	plan assets	Total		
Beginning balance	₩	3,491,805	₩ (3,054,840)₩	436,965		
Business combination		2,618	-	2,618		
Provision for pension benefits:						
Current service cost		228,818	-	228,818		
Past service cost		157	-	157		
Net interest expense (income)		39,296	(35,230)	4,066		
Remeasurement:						
Return on plan assets		-	12,013	12,013		
(excluding amounts included in net interest expenses))					
Actuarial changes arising from changes		12,185	-	12,185		
in financial assumptions and others						
Contributions by employer directly to plan assets		-	(52,401)	(52,401)		
Benefit paid		(187,375)	195,198	7,823		
Others		48,103	(55,817)	(7,714)		
Ending balance	₩	3,635,607	₩ (2,991,077)	644,530		

18. Other assets and liabilities

(1) Details of other assets as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

		June 30, 2022	December 31, 2021
Current assets:			
Short-term loans	₩	90,538	₩ 94,031
Accrued income		161,908	114,924
Advanced payments		1,647,397	1,280,959
Prepaid expenses		2,892,826	2,695,879
Guarantee deposits		375,008	276,658
Derivative financial assets		432,991	131,631
Lease receivables		15,681	19,016
Other contract assets		140,282	112,226
Others		181,152	154,321
	₩	5,937,783	₩ 4,879,645
Non-current assets:			
Long-term prepaid expenses	₩	1,157,661	₩ 1,187,057
Long-term loans		446,188	411,711
Guarantee deposits		681,489	711,104
Derivative financial assets		1,136,211	740,617
Long-term lease receivables		49,113	36,175
Other long-term contract assets		44,805	41,580
Others(*1)		214,586	230,982
	₩	3,730,053	₩ 3,359,226

^(*1) Includes defined benefit assets amounting to 29,122 million and 56,150 million as of June 30, 2022 and December 31,2021. The excess amount of certain plans in the Group has not been offset because the amount was not entitled and intended to settle the defined benefit liabilities of other plans (see Note 17).

18. Other assets and liabilities (cont'd)

(2) Details of other liabilities as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

		June 30, 2022	December 31, 2021
Current liabilities:			
Accrued expenses	₩	4,350,183	₩ 4,845,940
Dividends payable		1,089	887
Advances received		1,471,274	1,464,756
Unearned revenue		110,983	99,749
Withholdings		2,032,307	2,061,187
Deposits received		235,852	198,776
Income tax payable		1,207,238	1,244,891
Derivative financial liabilities		340,006	321,570
Lease liabilities		1,283,358	1,250,891
Finance guarantee liabilities		693	642
Financial liabilities at fair value		125,210	160,528
through profit or loss			
Other contract liabilities		290,904	293,715
Others		93,018	48,266
	<u>₩</u>	<u> 11,542,115</u>	<u>₩ 11,991,798</u>
Non-current liabilities:			
Long-term accrued expenses	₩	31,149	₩ 34,035
Long-term unearned revenue		646,770	640,133
Deposits received		304,858	298,478
Derivative financial liabilities		673,202	439,235
Long-term lease liabilities		4,203,444	3,803,999
Financial guarantee liabilities		17,602	16,910
Financial liabilities at fair value		59,123	59,123
through profit or loss			
Other long-term contract liabilities		65,646	51,220
Others (*1)		280,679	225,409
	<u>₩</u>	6,282,473	₩ 5,568,542

^(*1) Includes long-term employee benefit liabilities amounting to ₩139,594 million and ₩125,102 million as of June 30, 2022 and December 31, 2021, respectively.

19. Derivative financial assets and liabilities

Details of derivative financial assets and liabilities as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

		June 30,	2022	Decembe	2021	
	(Current Non-current		Current	No	on-current
Firm contracts	₩	15,623 ₩	∀ (91,590)	₹ 20,966	₩	(92,236)
Swap contracts		163,134	23,686	(218,791)	(53,910)
Forward contracts		(37,984)	35,971	9,007		11,170
Futures contracts		(12,851)	-	8,794		-
Options contracts		(34,937)	494,942	(9,915)	436,358
	₩	92,985	∀ 463,009 \	V (189,939) ₩_	301,382
Derivative financial assets	₩	432,991 ₩	∀ 1,136,211 \	V 131,631	₩	740,617
Derivative financial liabilities		(340,006)	(673,202)	(321,570)	(439, 235)

20. Equity

(1) Details of issued capital as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions, except for number of shares):

		June 30, 2022	December 31, 2021
Number of shares authorized for issue		400,000,000	400,000,000
Per share (Korean won)	₩	200	₩ 200
Number of shares issued:			
Ordinary share		74,149,329	74,149,329
Preferred share		566,135	566,135
Issued capital:			
Ordinary share	₩	16,030	₩ 16,030
Preferred share		113	113
	$\underline{\mathbb{W}}$	16,143	₩ 16,143

The Company retired 6,000,000 shares of its treasury stock(par value: \(\psi 1,200 \) million) in 2015 by reducing retained earnings, which resulted in a difference between total par value of ordinary shares and issued capital.

(2) Details of other paid-in capital as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

		June 30, 2022	<u>December 31, 2021</u>
Additional paid-in capital (*1)	₩	6,609,167	₩ 6,609,167
Treasury shares (*2)		(1,809,318)	(1,812,774)
Others		1,652,085	1,648,903
	$\overline{\mathbb{W}}$	6,451,934	₩ 6,445,296

- (*1) During the year ended December 31, 2015, the Company repurchased treasury shares of \text{\$\psi_3,369,395\$ million from merger with the former SK Inc., which was recognized as a contra-equity account on additional paid-in capital.
- (*2) As of June 30, 2022, treasury shares consist of those acquired to increase the enterprise value and to stabilize share price (6,999,080 ordinary shares) and those acquired from repurchase of shares from dissenting shareholders on business combination and shares arising from odd lot shares (11,024,731 ordinary shares and 1,787 preferred shares) during the year 2015.
- (3) Details of retained earnings as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

		June 30, 2022	December	31, 2021
Legal reserve (*1)	₩	8,072	₩	7,693
Voluntary reserve		62,897		62,897
Unappropriated retained earnings		15,669,674	1	3,986,816
-	₩	15,740,643	₩ 1	4,057,406

(*1) In accordance with the Korean Commercial Code, an amount equal to at least 10% of cash dividends is required to be appropriated as a legal reserve until the reserve equals 50% of issued capital. The legal reserve may not be utilized for cash dividends but may only be used to offset a deficit, if any, or be transferred to issued capital through approval at the general meeting of the shareholders.

20. Equity (cont'd)

(4) Details of other components of equity as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

		June 30, 2022	December 31, 2021
Net gain (loss) on valuation of financial assets measured at FVOCI	₩	(724,725)	₩ 284,085
Equity adjustments of investments in associates and joint ventures		104,350	(27,047)
Net gain (loss) on valuation of derivative instruments		(55,180)	13,388
Net gain on translation of foreign operation		1,453,013	450,836
	₩	777,458	₩ 721,262

(5) Upon resolution by the shareholders and the Board of Directors, the Group established a stock option program that entitles key management personnel an option to purchase ordinary shares. The terms and conditions related to the grants of the stock options granted under the share option program are as follows:

1	SK	Inc.

1) SK Inc.					
,	1-1(*1)	1-2(*2)	1-3(*2) 2-1(*2)	2-2(*2)
Grant date	2017-03-24		•	2020-03-25	<u> </u>
Type of shares to be issued	Ordinary shares				
Grant method	Reissue of treasury	shares, but if the	stock c	ption's exercise prid	ce is lower than the
	stock's real price (ev				
	difference in cash or				
Number of shares (shares)	41,429	41,430	41,43		71,346
Exercise price (Korean won)	₩ 226,290 ₩	244,400 ₩	263,9	50 ₩ 153,450	₩ 153,450
Contractual life of options		020.03.25 2	2021.03	3.25 2023.03.2	6 2023.03.26
·	~2022.03.24	~2023.03.24	~2024.	03.24 ~2027.03.	.25 ~2027.03.25
Vesting conditions	2 year service 3	year service 4	4 year s	service 2 year serv	ice 3 year service
Ü		rom the grant		he grant from the g	
		late	date	date	date
	1(*3)	2(*3)		1(*2,3)	2(*2,3)
Grant date	2018-03-29		2	2020-03-31	
Type of shares to be issued	Ordinary shares				
Grant method	Reissue of treasury	shares	F	Reissue of treasury	shares, but if the stock
			c	ption's exercise pr	rice is lower than the
			S	stock's real price	(evaluated based on
			e	exercise date), the	Company may settle
			t	he difference in c	ash or with treasury
			S	share equivalent to t	he difference amount.
Number of shares (shares)	18,607	18,607		39,098	19,551
Exercise price (Korean won)	₩ 100,884	₩ 108,959	¥	₩ 89,204	₩ 89,204
Contractual life of options	2020.03.29	2021.03.29	2	2023.03.31	2023.03.31
	~2023.03.28	~2024.03.	28	~2027.03.30	~2027.03.30
Vesting conditions	2 year service from	3 year service fi	rom 2	2 year service from	3 year service from
	the grant date	the grant date		the grant date	the grant date

- (*1) All were exercised during the six-month period ended June 30, 2022.
- (*2) The Group decided to pay cash for the difference between the exercise value of the stock option exercised in the current period and the actual value of the stock. Accordingly, it was determined that the Group is obligated to pay cash for the unexercised stock option and the accounting for stock options changed from equity-settled to cash-settled.
- (*3) The stock options have been transferred from SK Materials Co., Ltd.(formerly)

Share compensation expenses recognized during the six-month period ended June 30, 2022 are $\mbox{$\mathbb{W}$2,549}$ million (total: $\mbox{$\mathbb{W}$2,921}$ million), and $\mbox{$\mathbb{W}$5,559}$ million of the accumulated compensation expenses recognized have been derecognized due to the change to cash-settled. The liability recognised in relation to the cash-settled share option for the six-month period ended June 30, 2022 is $\mbox{$\mathbb{W}$23,389}$ million.

20. Equity (cont'd)

The Group used the binomial option pricing model, and the inputs used in the measurement of the fair values at the grant date of the share-based payment plans are as follows (Korean won):

		1-2		1-3		2-1		2-2
Risk-free interest rate		1.81%		2.37%		2.86%		2.86%
Option life		6 years		7 years		7 years		7 years
Expected price (Closing price on the preceding day in Korean won)	₩	242,000	₩	242,000	₩	242,000	₩	242,000
Expected volatility		25.70%		25.70%		25.70%		25.70%
Rate of returns		3.30%		3.30%		3.30%		3.30%
Exercise price (Korean won)	₩	244,440	₩	263,950	₩	153,450	₩	153,450
Fair value per share (Korean won)	₩	21,499	₩	23,514	₩	92,021	₩	92,021
		1		2		1		2
Risk-free interest rate Option life		1.81% 5 years		2.37% 6 years		2.86% 7 years		2.86% 7 years
Expected price (Closing price on the preceding day in Korean won)	₩	242,000	₩	242,000	₩	242,000	₩	242,000
Expected volatility Rate of returns		25.70% 3.30%		25.70% 3.30%		25.70% 3.30%		25.70% 3.30%
Exercise price (Korean won)	₩	100,884	₩	108,959	₩	89,204	₩	89,204
Fair value per share (Korean won)	₩	141,116	₩	133,041	₩	146,710	₩	146,710

Changes in stock option granted by the Company for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won):

	June 3	30, 2022		June 30, 2021			
		Weighted average			Weighted ave	rage	
	Quantities	exerci	se price	Quantities	exercise pri	ce	
Beginning balance	434,191	₩	166,785	338,328	₩ 14	5,743	
Granted	-		-	-		-	
Exercised	(41,429)		(226,290)				
Ending balance	392,762	₩	160,508	338,328	₩ 14	5,743	

In addition, the Group has entered into a Stock Grant that pays treasury stocks to employees for free apart from the above stock options. In the case of such Stock Grant, there is no requirement for vesting condition, and may not be transferred during the term of the stock. As of June 30, 2022, the recognized stock compensation costs related to the Stock Grant is \mathbb{W} 340 million.

2) Subsidiaries of the Company established a stock option program that entitles key management personnel an option to purchase ordinary shares. Share-based compensation expenses recognized under the share option program are as follows (Korean won in millions):

	Current(reversal)	Accumulated	Remaining	Total
Group of SK Innovation Co., Ltd.	₩ 1,584	₩ 5,788	₩ 3,984	₩ 9,772
Group of SK Telecom Co., Ltd.	76,190	153,169	5,337	158,506
Group of SK Square Co., Ltd.	10,706	24,642	48,558	73,200
Group of SK Networks Co., Ltd.	617	2,289	926	3,215
Group of SKC Co., Ltd.	(4,168)	8,953	5,864	14,817
Group of SK E&S Co., Ltd.	-	496	14	510
Group of SK Ecoplant Co., Ltd.	907	907	6,705	7,612
Others	951	3,570	6,457	10,027
	₩ 86,787	₩ 199,814	₩ 77,845	₩ 277,659

21. Selling and administrative expenses

Details of selling and administrative expenses for the three-month and six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

	June 30, 2022				June 30, 2021			
	Thr	ee-month	e-month Six-month			ree-month		Six-month
Salaries	₩	468,661	₩	879,880	₩	363,820	₩	705,048
Provision for pension benefits		31,951		71,992		26,175		65,443
Employee welfare benefits		95,103		205,147		73,391		162,459
Travel		25,792		40,937		11,299		18,759
Bad debt expenses		20,735		39,177		8,782		25,907
Communications		2,443		4,399		2,169		4,016
Utilities		9,486		23,975		6,879		15,697
Taxes and dues		34,541		69,709		34,697		56,189
Supplies		12,212		25,445		7,922		17,180
Rents		45,586		85,088		35,174		67,142
Depreciation		130,770		268,020		112,072		222,697
Amortization		86,784		170,996		90,837		160,508
Repairs		5,416		11,657		5,692		12,714
Insurance		17,351		31,915		12,363		25,441
Advertising		186,869		333,313		167,465		278,395
Research and development		175,217		313,451		132,524		236,853
Education and examination		13,980		31,604		24,125		38,881
Outsourcing technology service	S	167,072		362,237		175,532		381,188
Transport		123,096		253,477		91,145		178,297
Others		71,357		128,749		27,111		68,168
	₩	1,724,422	₩	3,351,168	₩	1,409,174	₩	2,740,982

22. Finance income and expenses

Details of finance income and costs for the three-month and six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

		June 30	, 20	22	June 30, 2021			21
		Three-month		Six-month	Th	ree-month		Six-month
Financial income:								
Interest income	₩	85,375	₩	158,232	₩	39,546	₩	75,620
Gain on foreign currency transactions	;	812,022		1,116,768		280,079		537,148
Gain on foreign currency translation		265,710		413,061		13,165		214,711
Gain on transactions of derivatives		797,436		1,954,005		175,951		393,512
Gain on valuation of derivatives		179,073		452,368		(511)		167,143
Others		91,632		225,209		56,389		138,476
	₩	2,231,248	₩	4,319,643	₩	564,619	₩	1,526,610
		June 30	, 20	22	June 30, 2021			21
		Three-month		Six-month	Th	ree-month		Six-month
Financial expenses:								
Interest expenses	₩	454,611	₩	854,701	₩	351,644	₩	689,477
Loss on foreign currency transactions	;	943,108		1,303,813		304,166		566,102
Loss on foreign currency translation		566,429		787,232		(41,402)		268,756
Loss on transactions of derivatives		1,109,853		2,148,167		334,696		603,895
Loss on valuation of derivatives		(281,462)		251,270		56,928		167,286
Others		391,369		730,673		4,685		47,303
	₩	3,183,908	₩	6,075,856	₩	1,010,717	₩	2,342,819

23. Other non-operating income and expenses

(1) Details of other non-operating income for the three-month and the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

		June 30	22	June 30, 2021				
		Three-month		Six-month	T	Three-month		Six-month
Other non-operating income:								
Dividend income	₩	11,197	₩	18,939	₩	5,150	₩	9,873
Rental income		354		674		233		484
Gain on disposal of trade receivables		-		1,043		6,345		18,296
Gain on disposal of investments in associates and joint ventures		13,836		484,079		630		374,449
Gain on disposal of property, plant and equipment		69,426		80,167		106,802		151,470
Gain on disposal of intangible assets		3,327		82,540		84,533		86,266
Others		133,663		389,916		822,989		951,842
	₩	231,803	₩	1,057,358	₩	1,026,682	₩	1,592,680

23. Other non-operating income and expenses (cont'd)

(2) Details of other non-operating expenses for the three-month and six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

_	June 30), 2022	June 30, 2021				
_	Three-month	Six-month	Three-month	Six-month			
Other non-operating expenses:							
Loss on disposal of trade receivables 3	₩ 9,608	₩ 15,815	₩ 2,205	₩ 7,759			
Loss on impairment of investments in associates	-	-	1,614	3,344			
Loss on disposal of property, plant and equipment	12,918	23,840	41,172	48,315			
Loss on impairment of property, plant and equipment	4,159	5,187	1,642	2,660			
Loss on disposal of intangible assets	538	1,383	1,675	1,814			
Loss on impairment of intangible assets	-	-	36,812	58,355			
Donations	25,605	37,194	32,485	39,592			
Others	26,147	101,961	55,652	1,089,365			
1 =	₩ 78,975	₩ 185,380	₩ 173,257	₩ 1,251,204			

24. Expense classified based on nature of expense

Details of classification based on nature of expenses for the three-month and six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

		June 30	22	June 30, 2021				
	Three-month		Six-month		TI	nree-month		Six-month
Employee benefits	₩	2,206,151	₩	4,363,784	₩	1,772,332	₩	3,678,066
Depreciation and amortization		2,172,265		4,314,978		1,945,954		4,061,918
Network connection		157,919		379,699		205,435		424,377
Transport		299,739		610,998		197,888		378,930
Advertising		187,863		338,769		173,328		290,006
Lease payments and rents		139,422		271,680		103,901		210,910
Others		6,772,393		11,487,432		4,412,231		8,241,037
Use of raw materials and purchase of finished goods and merchandise		18,902,163		37,804,772		13,838,930		26,367,327
Changes in finished goods and								
semi-finished good		(1,088,718)		(2,111,840)		(654,881)		(1,257,378)
	₩	29,749,197	₩	57,460,272	₩	21,995,118	₩	42,395,193

25. Income taxes

The Group calculated income tax expense by adding the current period adjustments to the accumulated interim tax expense, reflecting deferred tax expense (income) due to changes in temporary differences and considering adjustments not related to the interim profit or loss.

The average effective tax rates for continuing operations for the six-month periods ended June 30, 2022 and 2021 are 29.15% and 37.13% respectively.

26. Earnings (losses) per share

(1) Basic earnings per share for the three-month and six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions, except per share and weighted-average number of ordinary shares outstanding):

	June 30, 2022					June 30	21	
		Three-month Six-month		Three-month			Six-month	
Profit for the period attributable to owners of the parent	₩	797,929	₩	2,020,658	₩	497,564	₩	728,601
Less: preferred share dividends		(1,770)		(2,695)		(1,700)		(2,554)
Profit for the period attributable to ordinary share owners of the parent		796,159		2,017,963		495,864		726,047
Weighted-average number of ordinary share outstanding (*1)		56,134,549		56,113,388		52,307,317		52,307,106
Basic earnings per share (In Korean won)	₩	14,183	₩	35,962	₩	9,480	₩	13,880

(*1) The weighted-average number of ordinary share outstanding is calculated by multiplying the number of shares issued by the portion of the reporting period those shares covered. The treasury shares held until the disposal date, after the date of acquisition, are excluded from the number of ordinary shares outstanding.

The basis of calculating the weighted-average number of ordinary shares for the three-month and sixmonth periods ended June 30, 2022 and 2021 are as follows:

	<u>June 30,</u>	2022	June 30,	2021
	Three-month	Six-month	Three-month	Six-month
Weighted-average number of shares outstanding	74,149,329	74,149,329	70,360,297	70,360,297
Weighted-average number of treasury shares	(18,014,780)	(18,035,941)	(18,052,980)	(18,053,191)
Weighted-average number of issued shares outstanding	56,134,549	56,113,388	52,307,317	52,307,106

Diluted earnings per share for the three-month and six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions, except per share and weighted-average number of ordinary shares outstanding):

		June 30), 202	22	June 30, 2021				
		Three-month Six-month			Three-month			Six-month	
Profit for the period attributable	₩	796,160	₩	2,017,963	₩	495,863	₩	726,047	
to ordinary share owners of the parent									
Weighted-average number of									
diluted ordinary share outstanding		56,244,280		56,219,558		52,416,251		52,418,416	
Diluted earnings per share									
(In Korean won)	₩	14,155	₩	35,894	₩	9,460	₩	13,851	

The basis of calculating the weighted-average number of diluted ordinary shares for the three-month and six-month periods ended June 30, 2022 and 2021 are as follows:

	June 30,	2022	June 30, 2021			
	Three-month	Six-month	Three-month	Six-month		
Weighted-average number of shares outstanding	56,134,549	56,113,388	52,307,317	52,307,106		
Effect of exercise of stock option Weighted-average number of	109,731	106,170	108,934	111,310		
diluted ordinary shares outstanding	56,244,280	56,219,558	52,416,251	52,418,416		

26 Earnings (losses) per share (cont'd)

(2) Basic and diluted earnings per share from continuing operations

Basic earnings per share from continuing operations for the three-month and the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions, except basic earnings per share and weighted-average number of ordinary shares outstanding):

		June 30	2		21				
		Three-month		Six-month		Three-month	Six-month		
Profit for the period attributable to owners of the parent	₩	796,159	₩	2,017,963	₩	495,864	₩	726,047	
Less: profit (loss) from discontinued operations		(910)		279,573		64,296		97,867	
Profit for the period from continuing operations attributable to owners of the parel ordinary share owners of the parent Weighted-average number of	nt	797,069		1,738,390		431,568		628,180	
ordinary shares outstanding Basic earnings per share from		56,134,549		56,113,388		52,307,317		52,307,106	
continuing operations (In Korean won)	₩	14,199	₩	30,980	₩	8,251	₩	12,009	

Diluted earnings per share from continuing operations for the three-month and the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions, except basic earnings per share and weighted-average number of ordinary shares outstanding):

		June 30	2	June 30, 2021				
		Three-month Six-month			Three-month		Six-month	
Profit for the period from continuing	₩	797,070	₩	1,738,390	₩	431,567	₩	628,180
operations attributable to owners of the parer	t							
Weighted-average number of								
diluted ordinary shares outstanding		56,244,280		56,219,558		52,416,251		52,418,416
Diluted earnings per share from								
continuing operations (In Korean won)	₩	14,171	₩	30,921	₩	8,233	₩	11,984

(3) Basic earnings (losses) per share from discontinued operations

Basic earnings (losses) per share from discontinued operations for the three-month and six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions, except basic earnings (losses) per share and weighted-average number of ordinary shares outstanding):

	June 30, 2022					June 30, 2021				
	Three-month		Six-month		Three-month			Six-month		
Gain (loss) from discontinued operations	₩	(910)	₩	279,573	₩	64,296	₩	97,867		
Weighted-average number of										
ordinary shares outstanding		56,134,549		56,113,388		52,307,317		52,307,106		
Basic earnings (losses) per share from										
discontinued operations (In Korean won)	₩	(16)	₩	4,982	₩	1,229	₩	1,871		

Diluted earnings (losses) per share from discontinued operations for the three-month and six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions, except basic earnings (losses) per share and weighted-average number of ordinary shares outstanding):

	June 30, 2022					June 30, 2021				
		Three-month	Six-month	Three-month			Six-month			
Gain (loss) from discontinued operations Weighted-average number of	₩	(910)	₩	279,573	₩	64,296	₩	97,867		
diluted ordinary shares outstanding Diluted earnings (losses) per share from		56,134,549	_	56,219,558		52,416,251		52,418,416		
discontinued operations (In Korean won) (*1)	₩	(16)	₩	4,973	₩	1,227	₩	1,867		

(*1) As there is no dilution effect on stock options for the three months preceding the six-month period ended June 30, 2022, diluted earnings (losses) per share from discontinued operations is the same as basic earnings (losses) per share from discontinued operations.

27. Transactions with related parties

Balances on transactions arising from intercompany transactions within the Group were eliminated in preparing the interim condensed consolidated financial statements for the six-month periods ended June 30, 2022 and 2021.

(1) Details of significant transactions with the related parties for the three-month and six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

				June 30	, 202	22		
			Sales,	etc.		Expens	es, e	etc.
	Company name	Th	ree-month	Six-month	Th	ree-month	Six	k-month
Other	Daehan Oil Pipeline Corporation	₩	478 3		₩	15,329	₩	33,015
related	SABIC SK Nexlene Company Pte. Ltd.		304	440		79,436		152,702
parties	Korea Nexlene Company		69,910	129,453		2		68
	Best Oil Company Limited		275,242	585,250		1		32
	Sinopec-SK(Wuhan) Petrochemical Co., Ltd.		63,725	64,016		181,774		404,258
	Baic Eletronics SK(Jiangsu) Technology Co., Ltd.		13,795	28,065		143,218		223,834
	Xinglu (HongKong) Ltd.		54,154	102,771		-		-
	Huizhou EVE United Energy Co., Ltd.		43,389	71,908		259,606		403,668
	Peru LNG Company LLC		163,580	353,384		-		-
	Asia Bitumen Trading Pte. Ltd.		-	7,504		15,424		20,549
	Ignis Therapeutics		1,790	4,295		-		-
	F&U Credit Information Co., Ltd.		862	1,842		12,930		25,532
	SK Hynix Inc.		1,118,299	2,122,984		10,258		22,730
	SK Hynix Semiconductor (China) Ltd.		124,067	222,010		307		639
	SK Hynix semiconductor (Chongqing) Ltd.		10,445	19,572		-		-
	SK Hynix Semiconductor HK Ltd.		-	1		137,018		318,800
	SK Hynix System IC Co., Ltd.		5,033	10,432		-		-
	Happynarae Co., Ltd.		4,265	7,363		125,936		188,814
	SKC Evonik Peroxide Korea Co., Ltd.		5	1,113		14,566		31,508
	Boryeong LNG Terminal Co., Ltd.		1,759	52,069		42,921		109,709
	Darwin LNG Pty Ltd.		140,754	232,694		-		-
	Eurasia Tunnel		674	1,424		-		-
	Xe-Pian Xe-Namnoy Power Company		11,965	12,401		-		-
	SK Eco Engineering Co., Ltd.		1,844	1,965		812,667		936,220
	Daewon Green Energy Co., Ltd.		13,665	15,767		-		-
	Others		223,582	352,341		83,709		140,507
Others (*1)	SK D&D Co., Ltd.		1,133	2,127		212		490
	Ulsan Aromatics Co., Ltd.		21,763	42,962		18,908		46,612
	SK Chemicals Co., Ltd.		17,521	41,509		4,179		7,784
	SK Gas Co., Ltd.		105,819	156,120		65,447		200,844
	Ubins Co., Ltd.		279	415		17,515		33,012
	Others		7,192	44,002		2,750		33,529
		₩	2,497,293	₩ 4,698,550	₩	2,044,113	₩ :	3,334,856

^(*1) Although, not designated as related parties as defined in KIFRS 1024, the entity belongs to the same conglomerate affiliates under *Monopoly Regulation and Fair Trade Act*.

27. Transactions with related parties (cont'd)

		June 30, 2021					
		Sales, etc. Expenses, etc.					
	Company name	Thr	ee-month	Six-month	Three-month	Six-month	
Other	Daehan Oil Pipeline Corporation	₩	504 4	₩ 4,957	₩ 15,784	₩ 31,146	
related	SABIC SK Nexlene Company Pte. Ltd.		193	328	51,516	99,594	
parties	Korea Nexlene Company		47,162	85,240	625	629	
	Best Oil Company Limited		189,952	372,708	1	254	
	Sinopec-SK(Wuhan) Petrochemical Co., Ltd.		319	655	154,524	287,809	
	Baic Eletronics SK(Jiangsu) Technology Co., Ltd.		15,920	30,319	101,092	186,518	
	Xinglu (HongKong) Ltd.		31,124	47,377	-	-	
	Huizhou EVE United Energy Co., Ltd.		13,832	40,091	140,946	292,277	
	Peru LNG Company LLC		13,125	70,768	-	-	
	Asia Bitumen Trading Pte. Ltd.		-	2,545	-	-	
	F&U Credit Information Co., Ltd.		966	1,961	13,185	25,900	
	SK Hynix Inc.		875,498	1,792,860	1,142	9,702	
	SK Hynix Semiconductor (China) Ltd.		94,122	171,381	320	678	
	SK Hynix semiconductor (Chongqing) Ltd		8,647	17,705	-	-	
	SK Hynix Semiconductor HK Ltd.		-	-	251,630	453,525	
	SK Hynix System IC Co., Ltd.		6,964	23,389	14	31	
	Happynarae Co., Ltd.		10,336	14,547	111,235	178,543	
	SKC Evonik Peroxide Korea Co., Ltd.		5	3,899	12,908	24,823	
	Boryeong LNG Terminal Co., Ltd.		17,924	32,427	20,124	43,110	
	Darwin LNG Pty Ltd.		6,441	6,441	-	-	
	Eurasia Tunnel		736	1,429	-	-	
	Xe-Pian Xe-Namnoy Power Company		1,952	6,096	-	-	
	Daewon Green Energy Co., Ltd.		101,422	101,422	-	-	
	Others		167,948	267,740	42,155	70,921	
Others (*1)	SK D&D Co., Ltd.		90,450	91,145	2,032	2,453	
	Ulsan Aromatics Co., Ltd.		15,134	27,716	16,727	32,970	
	SK Chemicals Co., Ltd.		19,799	40,119	5,084	10,224	
	SK Gas Co., Ltd.		32,505	42,269	40,957	91,037	
	Ubins Co., Ltd.		247	601	25,151	36,645	
	Others		49,468	104,495	87,536	130,727	
		₩	1,812,695	₩ 3,402,630	₩ 1,094,688	₩ 2,009,516	

^(*1) Although, not designated as related parties as defined in KIFRS 1024, the entity belongs to the same conglomerate affiliates under *Monopoly Regulation and Fair Trade Act*.

27. Transactions with related parties (cont'd)

(2) Details of significant outstanding balances of receivables and payables with the related parties as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

			June 30, 2022		December		r 31, 2021	
		Re	Receivables		Re	ceivables		
	Company name		(*1)	Payables		(*1)	<u>Payables</u>	
Other	Daehan Oil Pipeline Corporation	₩	65	₩ 8,016	₩	75	₩ 9,443	
related	SABIC SK Nexlene Company Pte. Ltd.		946	48,065		5,127	58,538	
parties	Korea Nexlene Company		24,995	68		19,941	146	
·	Best Oil Company Limited		258,108	8,333		145,233	33,455	
	Sinopec-SK(Wuhan) Petrochemical Co., Ltd.		64,091	12,306		363	10,883	
	Baic Eletronics SK(Jiangsu) Technology Co., Ltd.		14,149	146,614		5,514	174,332	
	Xinglu (HongKong) Ltd.		55,657	-		19,097	-	
	Huizhou EVE United Energy Co., Ltd.		36,091	259,999		36,143	179,264	
	Korea Consortium Kazakh B.V. (*2)		121,623	-		111,520	-	
	F&U Credit Information Co., Ltd.		27	5,306		65	5,265	
	HanaCard Co., Ltd.		1,071	11,333		529	48,020	
	Wave City Development Co., Ltd.		3,855	-		5,753	-	
	SK Hynix Inc.		766,514	120,577		694,254	66,600	
	SK Hynix Semiconductor (China) Ltd.		77,346	335		57,369	853	
	SK Hynix Semiconductor (Chongqing) Ltd.		17,593	28		5,084	138	
	SK Hynix Semiconductor HK Ltd.		-	45,967		-	60,528	
	SK Hynix System IC Co., Ltd.		1,406	121		5,474	99	
	Happynarae Co., Ltd.		2,918	42,309		9,344	73,563	
	SKC Evonik Peroxide Korea Co., Ltd.		2	4,561		-	6,353	
	Boryeong LNG Terminal Co., Ltd.		6	1,169		5,345	7,577	
	Darwin LNG Pty Ltd.		45,922	-		120,235	-	
	Eurasia Tunnel		27,257	-		25,823	-	
	Xe-Pian Xe-Namnoy Power Company		94,287	-		113,282	26,004	
	SK Eco Engineering Co., Ltd.		24,092	281,353		-	-	
	SK E&C JURONG Investment Singapore Pte. Ltd.		59,914	-		59,914	-	
	Godeok Clean Energy Co., Ltd.		-	62,136		-	62,136	
	Others		202,923	144,300		301,663	134,333	
Others (*3)	Ulsan Aromatics Co., Ltd.		2,105	3,086		3,841	9,958	
	SK Chemicals Co., Ltd.		5,770	1,605		22,563	1,465	
	SK Gas Co., Ltd.		24,918	189,871		23,965	227,816	
	Ubins Co., Ltd.		140	8,678		199	14,977	
	Others		4,969	5,736		1,332	23,655	
		₩	1,938,760	₩ 1,411,872	₩	1,799,047	<u>₩ 1,235,401</u>	

^(*1) The Company recognized bad debt expense and reversal of bad debt each amounting to \$\psi\$ 452 million and \$\psi(72,227)\$ million for the six-month period ended June 30, 2022 (for the six-month period ended June 30, 2021: bad debt expense of \$\psi_3,269\$ million, write-off and others of \$\psi(-)\$ 2,339 million). The Company recognized the allowance for doubtful accounts amounting to \$\psi_262,858\$ million and \$\psi_334,633\$ million as of June 30, 2022 and December 31, 2021, respectively.

^(*2) As of June 30, 2022 and December 31, 2021, the Group recognized loss allowances in entirety for the corresponding receivables.

^(*3) Although, not designated as related parties as defined in KIFRS 1024, the entity belongs to the same conglomerate affiliates under *Monopoly Regulation and the Fair Trade Act*.

27. Transactions with related parties (cont'd)

(3) Details of significant treasury transactions with related-parties for the six-month period ended June 30, 2022 and 2021 are as follows (Korean won in millions):

		June 30, 2022		June 30,	2021
Company name	Currency	Loans	Collection	Loans	Collection
Yemen LNG Company Ltd.	KRW	3,647	-	3,122	-
Eurasia Tunnel	KRW	-	-	-	11,243
Yongin Ilban Industry Danji Co., Ltd.	KRW	-	-	5,072	-
Xe-Pian Xe-Namnoy Power Company	KRW	11,990	-	3,242	-
PT REGAS ENERGITAMA					
INFRASTRUKTUR	KRW	-	-	5,077	-

- (4) There were additional capital contribution transactions for investments in associates and joint ventures for the six-month periods ended June 30, 2022 and 2021 (see Note 9 'Investments in associates and joint ventures').
- (5) Compensation for key management personnel of the Company.

Key management personnel consists of registered executives who are responsible for the planning, operation and control of the Company's business activities. Details of compensation for them for the three-month and the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

		June 30, 2022				June 30, 2021			
	Three-month Six-m		x-month	th Three-month		Six-month			
Salaries	₩	6,261	₩	10,430	₩	4,189	₩	8,245	
Provision for pension benefits		741		8,441		973		7,152	
Share compensation expense		2,356		2,889		147		487	
	₩	9,358	₩	21,760	₩	5,309	₩	15,884	

28. Discontinued operations

(1) Details of discontinued operations

SK Innovation Co., Ltd., a subsidiary of the Group, decided to suspend operations in North American petroleum development (E&P) businesses and sold related assets and liabilities during the prior period, and profit or loss arising from the relevant business units are classified as profit or loss for the period from discontinued operations. The purpose of the sale of oil development (E&P) businesses in North America and Peru is in line with the long-term policy of subsidiaries to focus their capabilities on core businesses.

SK Networks Co., Ltd., a subsidiary of the Group, decided to discontinue operations with the sale of its resource business to clean up non-core businesses, strengthen its financial soundness and secure investment funds, during the prior period.

SKC Co., Ltd., a subsidiary of the Group, sold EVA and Back Sheet solar power business and PVDF business for construction during the prior period. In addition, SK Telesys Co., Ltd. and SKC Infra Services Co., Ltd. were sold in accordance with the board's decision on June 24, 2021 for the purpose of concentrating on their core businesses through reorganization of the business structure. Meanwhile, the energy business of SK Telesys Co., Ltd. was classified as discontinued operations during the six-month period ended June 30, 2022.

SK Ecoplant Co., Ltd., a subsidiary of the Group, sold its entire stake in SK TNS Co., Ltd., a subsidiary of the Group, to Alchemist Capital Partners Korea Co., Ltd. on April 30, 2021 for the purpose of converting a portfolio focused on eco-friendly and new energy by the resolution of the board of directors on January 7, 2021. In accordance with the board's resolution on October 28, 2022, after the spin off and merger of the K-Solutions Business Group, P-Solutions Business Group, Gas&Power Business Group, Battery Business Group, and Industrial Business Group, to SK Eco Engineering Co., Ltd., 50.001% of stake therein was sold on February 16, 2022 and excluded from the consolidation scope.

(2) Gain and loss from the discontinued operation for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

	For the six-month period ended June 30, 2022						
	Oil re		Energy		plant Co., Ltd.		_
	busine		business in		solutions		
	SK Net		SK Telesys	Busin	ess Group,	-	
_		, Ltd.	Co., Ltd.		etc		otal
Revenue	₩	25,708 ₩	_	- ₩	1,061,521	₩	1,087,229
Expenses		22,241		542	267,726		295,509
Gain (loss) before income tax expense		3,467	(5,	542)	793,795		791,720
Income tax expense	-	2,239			161,800		164,039
Gain (loss) from discontinued							
operations	₩	<u>1,228</u> ₩	(5,	<u>542</u>) <u>₩</u>	631,995	₩	627,681
Attributable to:		545	(0.1	277)	204 405		270 572
Owners of the parent Non-controlling interests		545 683		377) 165)	281,405 350,590		279,573 348,108
Non-controlling interests		003	(3,	103)	330,390		340,100
	For the six-month period ended June 30, 2021						
	Petroleum						
	development	Oil retail	EVA solar	SKC	SK Ecoplant Co.		
	business in	business in	business in In	fra Service	., Ltd. K-solutions		
	SK innovation				Business Group,		
	Co., Ltd.	Co., Ltd.		and others		Co., Ltd.	Total
Revenue	₩ 7,820	, -	,	,	,	282,593	
Expenses	10,913		1,674	108,687	666,904	126,141	934,843
Gain (loss) before income tax expense	(3,093)) 79,550	(614)	3,309	52,181	156,452	287,785
Income tax expense (benefit)	(851))19,813		472	12,628	37,819	69,881
Gain (loss) from discontinued		•					
operations	₩ (2,242)) <u>₩ 59,737</u>	₩ (614) ₩	2,837	₩ 39,553 ₩	118,633	₹ 217,904
Attributable to :							
Owners of the parent	(828)			1,221	17,802	53,393	97,867
Non-controlling interests	(1,414)) 33,194	(350)	1,616	21,751	65,240	120,037

28. Discontinued operations (cont'd)

(3) Details of cash flows relating to discontinued operations for the six-month period ended June 30, 2022 and 2021 are as follows (Korean won in millions):

Cash flows from operating activities Cash flows from investing activities Cash flows from financing activities

		For the six-month	period ended June 3	0, 2022	
	Oil retail	Energy	SK Ecoplant Co.,	Ltd.	
	business in	business in	n K-solutions		
	SK Networks	SK Telesys	Business Group	p,	
	Co., Ltd.	Co., Ltd.	etc	·	Total
₩	12,933 ₩	(5,54	2)₩ (8	82,652) W	(75,261)
	1,986		- 4	44,905	446,891
	1,172		-	(78)	1,094

For the six-month period ended June 30, 2021								
Petroleum				SK Ecoplant				
development	Oil retail	EVA solar	SKC	Co., Ltd.				
business in	business in	business in	Infra Service	K-solutions				
SK innovation	SK Networks	SKC	Co., Ltd	Business Grou	ıp, SK TNS			
Co., Ltd.	Co., Ltd.	Co., Ltd.	and others	etc	Co., Ltd.	Total		
₩ (5,572)	₩ (10,538)	₩ 260	₩ (2,294)₩ 43,713	₩ (57,931)₩	(32,362)		
44,120	72,528	(470)	661	(5,175)	(204)	111,460		
(78.241)	3.423	(68)	(155	(243)	103	(75.181)		

Cash flows from operating activities Cash flows from investing activities Cash flows from financing activities

29. Assets and liabilities held for sale

Details of non-current assets and non-current liabilities held for sale as of June 30, 2022 are as follows (Korean won in millions):

		<u>June 30, 2022</u>		
			Assets	Liabilities
Investment securities	ESR Cayman Limited (*1)	₩	342,377	₩ -
Business segment	China business segment (*2)		91,425	13,489
	Resources business segment (*2)		30,274	17,028
Associates	Zhejiang Shenxin SK Packaging Co., Ltd.		7,014	-
Property, plant and equipment	Back Sheet, EVA, PVDF and others		7,718	-
		₩	478,808	₩ 30,517

- (*1) The Group decided to sell ESR Cayman Limited before the year ended December 31, 2021, and classified related assets and liabilities as held-for-sale and measured them at the lower of their carrying amounts and fair value less costs to sell. Some of the shares were sold before the year ended December 31, 2021, and the remaining shares are also being reviewed for sale.
- (*2) SK Networks Co., Ltd., a subsidiary, decided to sell the China and resource business sector. The Group classified related assets and liabilities as held-for-sale and measured them at the lower of their carrying amounts and fair value less costs to sell.

29. Assets and liabilities held for sale (cont'd)

Details of non-current assets and non-current liabilities held for sale as of June 30, 2022 are as follows (Korean won in millions):

		<u>June 30, 2022</u>		
			Assets	Liabilities
Investment securities	ESR Cayman Limited (*1)	₩	342,377	₩ -
Business segment	China business segment (*2)		91,425	13,489
	Resources business segment (*2)		30,274	17,028
Associates	Zhejiang Shenxin SK Packaging Co., Ltd.		7,014	-
Property, plant and equipment	Back Sheet, EVA, PVDF and others		7,718	
		₩	478,808	₩ 30,517

- (*1) The Group decided to sell ESR Cayman Limited before the year ended December 31, 2021, and classified related assets and liabilities as held-for-sale and measured them at the lower of their carrying amounts and fair value less costs to sell. Some of the shares were sold before the year ended December 31, 2021, and the remaining shares are also being reviewed for sale.
- (*2) SK Networks Co., Ltd., a subsidiary, decided to sell the China and resource business sector. The Group classified related assets and liabilities as held-for-sale and measured them at the lower of their carrying amounts and fair value less costs to sell.

30. Cash flow information

(1) Details of non-cash adjustments for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

	For the six-month periods ended			
	June 30, 2022	June 30, 2021		
Provision for pension benefits	₩ 231,449	₩ 233,041		
Depreciation	3,460,766			
Amortization	864,010	817,188		
Bad debt expenses	39,177	26,929		
(Reversal of) Valuation loss on inventories	(7,926) (18,129)		
Interest expenses	859,017	694,194		
Loss on foreign currency translation	787,232	268,653		
Loss on valuation of derivatives	251,270	167,286		
Loss on disposal of trade receivables	15,815	7,759		
Loss on impairment of investments in associates	-	3,344		
Loss on disposal of property, plant and equipment	23,840	48,315		
Loss on impairment of property, plant and equipment	5,187	2,660		
Loss on disposal of intangible assets	1,383	4,919		
Loss on impairment of intangible assets	-	60,751		
Income tax expense	2,208,092	1,252,006		
Gain on investments in associates and joint ventures	(1,037,529) (717,185)		
Interest income	(158,549			
Gain on foreign currency translation	(413,061) (214,735)		
Gain on valuation of derivatives	(452,368) (167,180)		
Dividends income	(18,939) (9,873)		
Gain on disposal of trade receivables	(1,043) (18,296)		
Gain on disposal of investments in associates and joint ventures	(484,079) (374,449)		
Gain on disposal of property, plant and equipment	(80,167) (151,952)		
Gain on disposal of intangible assets	(82,540) (88,105)		
Gain on disposal of assets held for sale	(785,828) -		
Others	911,876	(948,072)		
	₩ 6,137,085	₩ 4,031,683		

(2) Details of working capital adjustments for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

	For the six-month periods ended				
		June 30, 2022	June 30, 2021		
Inventories	₩	(6,235,017)	₩ (2,051,571)		
Trade receivables		(1,557,537)	(1,241,372)		
Other receivables		(157,184)	28,076		
Trade payables		5,128,030	2,087,394		
Other payables		(1,000,294)	(183,494)		
Advances received		52,299	196,369		
Retirement benefits paid		(120,416)	(139,272)		
Plan assets		60,932	86,980		
Others		(536,106)	(385,961)		
	$\underline{\mathbf{W}}$	(4,365,293)	<u>₩ (1,602,851</u>)		

(3) Significant non-cash transactions for the six-month periods ended June 30, 2022 and 2021 are as follows (Korean won in millions):

	For the six-month periods ended				
		June 30, 2022	June 30, 2021		
Decrease in other payables due to	₩	(49,709) ₩	(362,063)		
acquisition of property, plant and equipment and others					

31. Commitments and contingencies

(1) Guarantees provided for the Group as of June 30, 2022 are as follows (Korean won in millions and foreign currencies in thousands):

Cuarantas	Cuerenter	Curranav	A ma a um t	Description of guarantee
Guarantee	Guarantor Versa Seftuara Financial	Currency	Amount	Description of guarantee
SK Inc.	Korea Software Financial Corporation	KRW	521,523	Performance guarantees for contract and others
	Seoul Guarantee Insurance	KRW	8 865	Performance guarantees for contract and others
Netruck Co., Ltd.	Seoul Guarantee Insurance	KRW		Performance insurances for warranties and others
SK Telink Co., Ltd.	Seoul Guarantee Insurance	KRW		Performance guarantees for contract
SK Planet Co., Ltd.	Seoul Guarantee Insurance		.,0.0	. onomano gadiamoso ioi somasi
	and others	KRW	18,468	Performance guarantees for contract and others
	KEB Hana Bank	KRW		Performance insurances for warranties and others
SK Broadband Co., Ltd.	Seoul Guarantee Insurance	KRW	30,782	Guarantee of warranties contract
	Korea Content Financial Cooperative	KRW	37,111	Guarantee of warranties contract
SK Square Co., Ltd.	KEB Hana Bank	USD	499	Guarantee of foreign currencies
Tmap Mobility Co., Ltd.	Seoul Guarantee Insurance	KRW		Performance guarantees and others
SK Shieldus Co., Ltd.	Korea Software Financial Cooperative	KRW		Guarantee of bid payment and others
SK M & Service Co., Ltd.	Seoul Guarantee Insurance	KRW	1.900	Performance guarantees for contract and others
	Shinhan Bank	KRW		Guarantee of Korean won
PS&Marketing Corp.	Seoul Guarantee Insurance	KRW		Performance guarantees
Dreamus Company Co., Ltd.	Seoul Guarantee Insurance	KRW		Performance guarantees for contract
One store Co., Ltd.	Seoul Guarantee Insurance	KRW		Guarantee for E-commerce and others
- ,	KEB Hana Bank	KRW		Guarantees for prepayment method
				and payment of Korean won
Home&Service Co., Ltd.	Seoul Guarantee Insurance	KRW	2	Specific debt guarantee
SK Store Co., Ltd.	Kookmin Bank	KRW		Performance guarantees and others
11 street Co., Ltd.	KEB Hana Bank	KRW		Performance guarantees and others
	Seoul Guarantee Insurance	KRW		Guarantee of deposit on lease and others
FSK L&S Co., Ltd.	Seoul Guarantee Insurance	KRW		Performance guarantees for contract and others
Incross Co., Ltd.	Seoul Guarantee Insurance	KRW		Performance guarantees
Service Top Co., Ltd.	Seoul Guarantee Insurance	KRW		Performance guarantees for contract
SK Networks Co., Ltd.	KEB Hana Bank	KRW	2,000	Guarantee of payment for goods
	Seoul Guarantee Insurance	KRW	10,538	Performance guarantees for contract
	Korea Trade Insurance Corporation	KRW	4,843	Guarantee of debt
SK Networks Service	Seoul Guarantee Insurance	KRW	17.943	Performance guarantees for sales contract
Co., Ltd.	KEB Hana Bank	KRW		Performance guarantees for contract
SK Magic Co., Ltd.	Seoul Guarantee Insurance	KRW		Performance insurances for warranties and others
	Machinery Financial Cooperative	KRW	-,	Performance insurances for warranties and others
SK Magic Service Co., Ltd.	Seoul Guarantee Insurance	KRW		Guarantee of payment for home shopping and others
SK Rent-a-Car Co., Ltd.	Seoul Guarantee Insurance	KRW		Performance guarantees for contract
SK Nexilis Co., Ltd.	Seoul Guarantee Insurance	KRW	55	Guarantee of payment
SK E&S Co., Ltd.	Seoul Guarantee Insurance	KRW	114,485	Performance guarantees for contract and others
	Kookmin Bank	USD	80,000	Guarantee of debt
	Shinhan Bank	USD	80,000	Guarantee of debt
	BNP Paribas	USD	10,500	Guarantee of bid payment of manzanillo PPA
Yeongnam Energy Service Co., Ltd.	Seoul Guarantee Insurance	KRW	1,491	Guarantee of warranties and approval
Chonnam Energy Service Co., Ltd.	Seoul Guarantee Insurance	KRW	398	Guarantee of warranties and payment
Busan City Gas Co., Ltd.	Seoul Guarantee Insurance	KRW	2.370	Guarantee of seizure contract and others
Kangwon City Gas Co., Ltd.	Seoul Guarantee Insurance	KRW		Guarantee of performance and approval
Jeonbuk Energy Service	Seoul Guarantee Insurance	KRW		Performance guarantees and warranties
Co., Ltd.				
Chungcheong Energy Service Co., Ltd.	Seoul Guarantee Insurance	KRW	1,256	Performance insurances for warranties and others
Ko-one Energy Service	Seoul Guarantee Insurance	KRW	1,709	Performance guarantees for contract
Co., Ltd. Paju Energy Service	Seoul Guarantee Insurance	KRW	428	Performance guarantees for approval and others
Co., Ltd. Narae Energy Service	Seoul Guarantee Insurance	KRW	5,486	Guarantee of license to use state property
Co., Ltd. Yeoju Energy Service	Seoul Guarantee Insurance	KRW	5,562	and others Performance guarantees for deposit on approval
Co., Ltd. Dangjin Haengbok Solar	Seoul Guarantee Insurance	KRW	3,205	and others Guarantee of payment of facility restoration
Co., Ltd.				and relocation work expenses
Prism Energy International. Zhoushan Limited	Citibank China	USD	30,000	Guarantee of Terminal fee

Cuarantas	Cuarantar	Curranau	Amazunt	Description of guarantee
Guarantee SK Ecoplant Co., Ltd.	Guarantor HSBC and others	Currency USD	486 882	Description of guarantee Performance guarantees
or Loopian Go., Ltd.	TIODO and others	OOD	400,002	for overseas construction and others
		KWD	88,672	Performance guarantees
		0.45	000.055	for overseas construction and others
		QAR	338,855	Performance guarantees
		TRY	30 703	for overseas construction and others Performance guarantees
			00,700	for overseas construction and others
		SAR	8,117	Performance guarantees
		TUD	070.054	for overseas construction and others
		THB	278,254	Performance guarantees for overseas construction and others
		KZT	7.568.929	Performance guarantees
			.,,	for overseas construction and others
		VND	636,555,383	Performance guarantees
		LIKD	00.004	for overseas construction and others
		HKD	20,061	Performance guarantees for overseas construction and others
		AED	119,780	Performance guarantees
				for overseas construction and others
		NOK	370,295	Performance guarantees
	KED Hara David	HOD	445.070	for overseas construction and others
	KEB Hana Bank	USD	145,072	Performance guarantees for overseas construction and others
		SAR	182.198	Performance guarantees
				for overseas construction and others
		EUR	86,558	Performance guarantees
		ODD	40.000	for overseas construction and others
		GBP	16,900	Performance guarantees for overseas construction and others
	Korea Eximbank	USD	90,969	Performance guarantees
				for overseas construction and others
		EUR	24	Performance guarantees
		NOK	126 202	for overseas construction and others
		NOK	130,302	Performance guarantees for overseas construction and others
				16. 676.6646 66.6446.674 4.14 64.6.6
	Korea Housing Guarantee Co., Ltd.	KRW		Housing guarantees and others
	Seoul Guarantee Insurance	KRW	272,557	Performance guarantees for domestic construction
	Engineering Financial Cooperative	KRW	820 005	and others Domestic construction contract
Environment Management Corporation Co., Ltd.	Construction Guarantee	KRW	5,446,716	Performance guarantees for domestic construction
	Cooperative			and others
	Korea Trade Insurance	KRW		Insurance of overseas investment
	Corporation	KDW	4 220	Currentes of next management (SCI)
	Useong Co., Ltd. Construction Guarantee	KRW KRW		Guarantee of post-management (SGI) Performance guarantees for business, construction,
	Cooperative	14144	00,000	warranties and others
	Seoul Guarantee Insurance	KRW	109,040	Performance guarantees for contract, payment,
		145114	4.47.400	construction, advance payment and others
	Engineering Financial Cooperative	KRW	147,420	Guarantees for contract, advance payment,
	Korea Life Pyegimul Fraternal Union Information & Communication	KRW	54	warranties and others Guarantees for contract and warranties
		KRW		Performance guarantees for contract
SK Specialty Co., Ltd.	Financial Cooperative			3
	Seoul Guarantee Insurance	KRW		Performance guarantees and others
SK Materials Performance Co., Ltd.	Korea Trade Insurance Corporation.	USD	6,000	Insurance of short-term export
SK Biopharmaceuticals	Hupis Co., Ltd.	KRW	1 904	Guarantee of deposit on lease
Co., Ltd.		13144	1,504	Cas. S. 100 of dopolit of foddo
SK SIGNET Inc.	Seoul Guarantee Insurance	KRW	249,681	Performance guarantees for contract, payment,
OK Di O III	0 10 1	KDM	644	warranties and deposits
SK Pinx Co., Ltd.	Seoul Guarantee Insurance	KRW		Performance guarantees for sales contract
SK Forest Co., Ltd.	Seoul Guarantee Insurance Shinhan Bank	KRW		Performance guarantees for contract
SK Siltron Co., Ltd. Hweechan Co., Ltd.	Seoul Guarantee Insurance	USD KRW		Guarantee of foreign currencies Guarantee of supply and others
coman co., Ltu.	Coour Guarantee Insulance	131477	00	Cadranto or Suppry and Stricts

(2) Guarantees provided to others as of June 30, 2022 are as follows (Korean won in millions and foreign currencies in thousands):

Guarantee	Guarantor	Currency	Amount	Description of guarantee
SK Geo Centric Co., Ltd.	Sabic SK Nexlene Company Pte. Ltd.	USD	220,000	Guarantee of debt
Iberian Lube Base Oils S.A.	Puertos del Estado	EUR	863	Guarantees for construction
	Railway Administration and others	EUR	265	Guarantee for installing facilities and others
SK Telink Co., Ltd.	IOT Wave Co., Ltd. and others	KRW	921	Performance guarantees for insurance and others
SK Communications Co., Ltd.	Green umbrella	KRW	20	Performance guarantees for contract
	Purchaser or right holder of electronic payment method	KRW	650	Protection of user funds from electronic financiers
Dreamus Company Co., Ltd.	Youngkwang Precision Industry Co., Ltd.	KRW	269	Performance guarantees for contract
SKC Co., Ltd.	Pl Advanced Materials Co., Ltd.	USD		Guarantee for litigation
SK E&S Co., Ltd.	Boryeong LNG Terminal Co., Ltd.	KRW	320,000	Guarantee of debt
Environment Management Corporation Co., Ltd.	Dongbugwon Puleunmul Co., Ltd. and others	KRW	29,860	Guarantee of debt
	Geochang Malgunmool Sarang Co., Ltd. and others	KRW	33,009	Guarantee for loan agreement
	Gyeongsan Pure Water Co., Ltd. and others	KRW	1,816	Performance guarantees for business
SK Ecoplant Co., Ltd.	SBC General Trading & Contracting Co. WLL and others	KWD	4,361	Performance guarantees for contract and others
	Pohang Clean Water Co., Ltd. and others	KRW	740,557	Cash deficiency support agreement
	Gweonseon District 6 redevelopment maintenance business association and others	KRW	193,962	Guarantees for reconstruction project financing
	Customers of Pangyo SK view	KRW	824,687	Guarantee of payment of intermediate payment and moving expenses loan
	Lu 1 City SK leaders view and others	KRW	3,239,179	Guarantee of completion
	Callable preferred share investor	KRW	130,000	Cash deficiency support agreement
	Fuel cell power generation project	KRW	156,595	Performance assurance related to long-term maintenance contracts
	Contractor issuing guarantee for sale	KRW	2,256,880	Joint surety

In addition, SK ecoplant Co., Ltd., a subsidiary of the Group, provides other construction companies with performance guarantees for domestic construction, and the amount of the guarantees is \W748,859 million as of June 30, 2022.

(3) The Group's significant pending litigations as of June 30, 2022, in which the Group is a plaintiff are as follows (Korean won in millions and foreign currencies in thousands):

Plaintiff	Defendant	Description	Claim		Status
SK Shieldus Co., Ltd.	Individual and others	Claim for damages for breach of contract and others	KRW 566		First trial in progress
SK Planet Co., Ltd.	Fair Trade Commission	Claim for for revocation of corrective order and others	KRW	33,500	First trial in progress
SK Broadband Co., Ltd.	KOMCA and others	Claim for payment and others	KRW	7,502	First trial in progress and others
SK Telecom Co., Ltd.	Individual and others	Claim for payment and others	KRW	385,392	First trial in progress and others
PS&Marketing Corp.	Individual and others	Claim for payment and others	KRW	4,137	Second trial in progress and others
SK Networks Co., Ltd.	Individual and others	Claim for lease deposit	KRW	2,719	Second trial in progress and others
SK Magic Co., Ltd.	Namdaemun Tax Office Chief and others	Claim for cancellation the imposition of corporate tax and others	KRW	2,640	Third trial in progress and others
SK Rent-a-Car Co., Ltd.	Individual and others	Claim for payment and others	KRW	43	Third trial in progress and others
SK Telesys Co., Ltd.	Cotec Enc Co., Ltd.	Claim for payment of construction cost and others	KRW	106	First trial in progress
Narae Energy Service Co., Ltd.	Hanam City Hall	Claim for cancellation of the imposition of the contribution to the water supply cause	KRW 1	483	First trial in progress
CAILIP Gas Marketing, LLC	ChevronU.S.A.Inc	Claim for compensation for loss of natural gas supply	USD	84,531	First trial in progress
LAI LNG, LLC	Hidalgo Wind FarmII,LLC and 2 others	Claim for compensation for electricity purchase settlement	USD	11,774	First trial in progress
SK Incheon Petrochem Co., Ltd.	Dongatanker Co., Ltd.	Claim for payment	KRW	10,075	First trial in progress
SK Ecoplant Co., Ltd.	Korea Rail Network Authority	Claim for payment of construction and others	KRW	4,279	Second trial in progress and others
	Korea Specialty Contractor Financial Cooperative	Claim for deposit of construction performance and others	KRW	4,087	Second trial in progress and others
	Plant & Mechanical Contractors Financial Cooperative and others	Claim for deposit of construction		5,403	Third trial in progress
	Korea National Oil Corporation	Claim for payment of Construction	KRW	16,242	Second trial in progress and others
	Korea Land & Housing Corporation	Claim for payment of construction	KRW	1,090	First trial in progress
	Individual and others	Claim related to performance guarantee and others	KRW	96,413	Third trial in progress and others
	Legal manager of Seobon Construction Co., Ltd.	A final and conclusive bond investigation trial of KNPCCFP	KRW	1,942	First trial in progress
Environment Management Corporation Co., Ltd.	Siheung City and others	Claim related to settlement of operating and management expenses and others	KRW	24,257	First trial in progress
Green Environment Technology Co., Ltd.	Da Moa Machinery and others	Claim related to balance Of machine sales	KRW	40	Second trial in progress

The Group's significant pending litigations as of June 30, 2022, in which the Group is a defendant are as follows (Korean won in millions):

Defendant	Plaintiff	Description	C	laim	Status
SK Shieldus Co., Ltd.	Individual and others	Claim for damages and others	KRW	1,229	Second trial in progress
01/5 11 10 111				40.00=	and others
SK Broadband Co., Ltd.	Individual and others	Claim for damages and others	KRW	13,905	Second trial in progress
SK Telecom Co., Ltd.	Individual and others	Claim for damages and others	KRW	7.540	and others First trial in progress
SK Telecom Co., Ltd.	ilidividual alid otileis	Claim for damages and others	IXIXVV	7,340	and others
SK Networks Co., Ltd.	Individual and others	Claim for damages and others	KRW	3,694	Second trial in progress
,		S .		,	and others
SK Magic Co., Ltd.	Piltech Korea Co., Ltd.	Claim for confirmation of the	KRW	276	Second trial in progress
	and others	scope of trademark rights			and others
CK Dont a Con Co. Ltd	Individual and others	and others	KDW	EOE	Casand trial in progress
SK Rent-a-Car Co., Ltd.	Individual and others	Claim for compensation and others	KRW	595	Second trial in progress and others
SKC Co., Ltd.	Individual	Claim for damages	KRW	15	First trial in progress
5110 GG., Etd.	Nak smart energy Co., Ltd.	Claim for damages	KRW		First trial in progress
SK Telesys Co., Ltd.	Ubins Co., Ltd.	Claim for service charge	KRW		First trial in progress
SK Nexilis Co., Ltd.	Individual and others	Claim for damages	KRW		First trial in progress
Ko-one Energy Service Co., Ltd.	Korea Land & Housing	Claim for cancellation of	KRW	1,286	Second trial in progress
	corporation	allotted charges			
Busan City Gas Co., Ltd.	HDC-labs Co., Ltd.	Claim for payment of construction	KRW	534	First trial in progress
Chungcheong energy	Korea Land & Housing	Claim for cancellation of	KRW	1,104	Second trial in progress
Service Co., Ltd.	corporation	allotted charges and others			and others
Narae energy service Co., Ltd.	Korea Electric Power Corporation		KRW	2,694	First trial in progress
	and others	reduction confirmation			
OK 5	K W-t D Cti	and others	KDW	2.004	Third total in our our
SK Ecoplant Co., Ltd.	K-Water Resources Corporation	Claim for design compensation cost return and others	KRW	3,004	Third trial in progress
	Incheon Metropolitan City	Claim for design compensation	KRW	7 804	Third trial in progress
	menegaman eng	cost return and others		.,	and others
	Hanwha Engineering &	Claim for cost share	KRW	5,087	First trial in progress
	Construction Corp.				
	Woori Bank	Claim for payment of	KRW	12,096	First trial in progress
		construction			
	Suwon Sky View resident's	Claim for damages and others	KRW	20,385	Second trial in progress
	representative and others	01: ()	LCDIAL	040 400	and others
	Individual and others	Claim for damages and others	KRW	219,406	Third trial in progress and others
	Korea Gas Corporation	Claim for damages and others	KRW	11.314	First trial in progress
	Republic of Korea	Claim for damages and others	KRW		Second trial in progress
	•	S .		,	and others
Environment Management	Siheung City and others	Claim for damage and others	KRW	28,244	First trial in progress
Corporation Co., Ltd.					
Green Environment	Daesang Co., Ltd. and others	Claim for payment of	KRW	253	First trial in progress
Technology Co., Ltd.		construction			

On May 4, 2020, the Attorney General Office of California, USA, filed a civil lawsuit in the California District Court located in San Francisco against Vitol Inc., SK Trading International Co., Ltd. and SK Energy Americas Inc., the subsidiaries of the Group, for manipulating the market price of gasoline products and anti-competitive and unfair practices during the refinery explosion in 2015. The case is currently in progress, and the duration and final outcome are not estimable at the moment. Since May 6, 2020, endusers of gasoline have filed a number of collective lawsuits in California federal court. The duration and final outcome thereof are also not estimable at the moment.

E&P business in 8th block of Peru, a subsidiary of SK Innovation Co., has been suspended due to the liquidation of operator (Pluspetrol Norte S.A.) and the business is in progress of closing. The Perupetro S.A., a Peruvian state-owned oil company and mining rights management agency, received an injunction from the local judiciary to suspend the liquidation procedure of the operator for the year ended December 31, 2021 and the Peruvian Environmental Assessment and Supervision Authority (OEFA) fined the operator related to the restoration of the workplace and environmental pollution charge for the year ended December 31, 2021. Accordingly, SK Innovation Co., Ltd. paid expenses of \times 1,527 million and \times 1,611 million for the year ended December 31, 2021 and the six-month period ended June 30, 2022, respectively, upon request of the operator which were accounted as non-operating expenses.

The Perupetro S.A. has filed international proceedings with the International Chamber of Commerce against the parties to the mining contract, including SK Innovation Co., Ltd., in accordance with the dispute settlement clause in the mine contract to the effect that the mining right contract is not terminated only by the initiation of liquidation of the operator. The status of the arbitration is currently pending, and the final outcomes of the arbitration cannot be predicted at the moment.

SKC Co., Ltd., a subsidiary of the Group, guarantees 50% of claim amounts related to the patent litigation filed by Kaneka Corporation against PI Advanced Materials Co., Ltd. As of June 30, 2022, the appeal of the lawsuit in the U.S. was rejected and the jury's verdict determined damages, but the final ruling was not made because some of the compensation for damages were not confirmed. Meanwhile, during the prior period, Kaneka Corporation filed a lawsuit against PI Advanced Materials Co., Ltd. in Korea based on a portion of final judgment on the U.S. jury's verdict. Accordingly, the Group paid PI Advanced Materials Co., Ltd. USD 7,836 thousand which is 50% of USD 15,671 thousand in damages. Based on the final results of litigation, the Group may have to pay more according to the ratio as specified by the payment arrangement. As of June 30, 2022, the final result of trial 1 and the timing of payment of compensation for damage are not estimable.

(4) Commitments

- 1) In accordance with the Commercial Code of the Republic of Korea, the Company, SK Innovation Co., Ltd., SK Energy Co., Ltd., SK Geo Centric Co., Ltd., SK Lubricants Co., Ltd., SK Incheon Petrochem Co., Ltd., SK Trading International Co., Ltd., SK ie technology Co., Ltd., SK On Co., Ltd, and SK Earthon Co., Ltd. are collectively responsible for any obligations of the Company arising before the spin-off. The Company and SK Biopharmaceuticals Co., Ltd. are collectively responsible for any obligations of the Company that occurred before the spin-off on April 1, 2011 and the Company and SK Specialty Co., Ltd. are collectively responsible for any obligations of SK Materials Co., Ltd. (formerly) that occurred before the spin-off on December 1, 2021.
- 2) The Company has signed a lease contract for the head office building from SK REIT Co., Ltd. The lease contract period under this lease contract is until July 5, 2026, and we have the option of extending the lease contract by five years before the end of the contract. On the other hand, we have been granted preferential purchase rights for landlords to purchase at fair prices when selling the building.
- 3) The Company holds IT outsourcing and IT system maintenance agreements to provide hardware and information systems maintenance and development service entered into between the Company and SK Group companies and others.
- 4) The Company entered into a contract with Gyeonggi province on May 31, 2011 to purchase land located in Pangyo Land Development District. The total agreement amount is \wxi82,964 million (the Company's portion: \wxi845,536 million (54.9%)), which will be used for the construction of urban infrastructure facilities ("designated purpose" of the land). The contract includes requirements to be complied with and restrictions in transfer of ownership of the land. Should there be non-compliance, the contract may be terminated or cancelled.

5) The Company has total return swap contracts in regards to SK Shipping Co., Ltd.'s issuance of ordinary shares and sale of existing shares, and details are as follows:

Description	Subscription of new shares	Sale of existing shares	
Investor	Special Situation 1st Fund	Corporate Turnaround 1st Fund	
Number of shares	6,548,672	4,808,259	
Contract date	April 11, 2017	May 11, 2017	
Expiry date	April 10, 2022	May 10, 2022	
Settlement	The Company and the investor make a cash settlement of the amount that deducts the issue price from the net selling price. If the amount is positive, the investor pays to the Company, and if the amount is negative, the Company pays to the investor. In case where the sale is not complete, the selling price of the shares is considered to be nil.		
Premium	. , , ,	e amount equivalent to 3.14% of the total. When the investor receives dividends on the Company.	
Call option	The Company has the right to purch	ase the shares held by the investor at the vith certain level of additional charges.	

As of March 30, 2022, the Company signed an agreement to changes in total profit swap including extension of expiry date, etc. with the investor of the common stock above. The changes are effective from the termination date of investment (expiry date of the existing agreement). The main details of the changes to the agreement are as follows:

Description	Subscription of new shares	Sale of existing shares
Investor	Special Situation 1st Fund	Corporate Turnaround 1st Fund
Number of shares	6,548,672	4,808,259
Contract date	March 30, 2022	March 30, 2022
Expiry date	April 12, 2027	May 10, 2027
Settlement	The Company and the investor make a cash settlement of the amount the deducts the issue price from the net selling price. If the amount is positive, the investor pays to the Company, and if the amount is negative, the Company pays to the investor. In case where the sale is not complete, the selling price of the shares is considered to be nil.	
Premium		e amount equivalent to 3.899% of the total When the investor receives dividends on the Company.
Call option	On every first year between the end of the Company has the right to purchase	of the investment and the expiration date, ase the shares held by the investor at the with certain level of additional charges.

6) The Group entered into total return swap contracts with ordinary shareholders of SK Siltron Co., Ltd., one of the subsidiaries. Details are as follows:

Description	Total return swap
Investor	Warmachine Sixth Co., Ltd. and others
Number of shares	13,140,440
Contract date	August 25, 2017
Expiry date	August 24, 2022
Settlement	The Company and the investors are to settle the amount that deducts the issue price from the net selling price. If the amount is positive, the investor pays to the Company, and if the amount is negative, the Company pays to the investor. In case where the sale is not complete, the selling price of the shares is considered to be nil.
Premium	The Company is to pay 0.5% of the initial contract amount at the closing date of the transaction and pay to the investor the amount equivalent to 3.20% of the total shares held by the investors annually. When the investor receives dividends on the shares held, the amount is paid to the Company.
Call option	On a three-month basis from the closing date of sale ("the quarterly payment day"), the Company has the right to purchase the shares held by the investor at the initial contract price of the ordinary shares with a certain level of additional charges.

As of June 30, 2022, the value of the agreements amounting to \$169,131 million is recognized in current portion of long-term borrowings (see Note 15).

7) The Group entered into total return swap contracts with ordinary shareholders of SK E&S Co., Ltd., one of the subsidiaries. Details are as follows:

Description	Total return swap
Investor	MD Prime 1st Co., Ltd.
Number of shares	4,640,199
Contract date	November 14, 2017
Expiry date	November 13, 2022
Settlement	The Company and the investors are to settle the amount that deducts the issue price from the net selling price. If the amount is positive, the investor pays to the Company, and if the amount is negative, the Company pays to the investor. In case where the sale is not complete, the selling price of the shares is considered to be nil.
Premium	The Company is to pay to the investor the amount equivalent to 3.07% of the total shares held by the investors annually. When the investor receives dividends on the shares held, the amount is paid to the Company.
Call option	The Company may make a purchase request in the amount of common shares held by the investor plus a certain amount on every premium payment date and and every quarterly payment date between the date of the board's resolution to select the IPO organizer and the date of submission of a preliminary listing review.

- 8) The Company entered into a cash deficiency support agreement with Hudson Energy NY, LLC, a subsidiary of Plutus Capital NY, Inc., to lend funds for the shortfall of payment for loans and credit limit of USD 226.000 thousand.
- 9) The Company entered into a cash deficiency support agreement with Abrasax Investment Inc., a subsidiary of SK Pharmteco Inc. (formerly, Alchemy Acquisition Corp.), to lend funds for the shortfall of payment for loans and credit of up to USD 315,000 thousand.
- 10) The Company has a shareholder-to-share agreement with Showa Denko K.K. in relation to the investment of subsidiary SK Showa Denko Co., Ltd., and Showa Denko K.K. has the right to sell 630,000 shares (15%) of SK Showa Denko Co., Ltd. at ₩ 5,000 per share in the event of a specific case of this agreement.
- 11) The Company have signed a contract between shareholders that allows certain shareholders to sell their shares to us for \W50,000 per share if certain conditions are met for shares held by certain shareholders of its subsidiary SK Signet Co., Ltd.
- 12) As of June 30, 2022, Prism Energy International Pte., Ltd., a subsidiary, provides LOU (Letter of Understanding) to ship owners HHIENS1 Shipholding S.A., HHIENS2 Shipholding S.A. and HHIENS4 Shipholding S.A. in connection with LNG carriers. Accordingly, if SK Shipping Co., Ltd. fails to fulfill the contract (BBCHP) signed with the shipping Company, SK E&S Co., Ltd. will assume all obligations related to the execution of the contract.
- 13) SK E&S LNG, LLC, one of the subsidiaries, is scheduled to be provided with liquefaction service for 20 years from FLNG Liquefaction 3, LLC, which plans to operate natural gas liquefaction plants in Texas starting from 2019. As of June 30, 2022, SK E&S Co., Ltd., one of the subsidiaries, is responsible for performance guarantee in case of SK E&S LNG, LLC's inability to make payments for service or for claims against breach of obligation. In regard to this, the Company provides performance guarantee for SK E&S Co., Ltd.'s guarantee.

14) As of June 30, 2022, details of contracts of the subsidiaries of SK E&S Co., Ltd. are as follows:

Contracting parties	Description of contract	Counterparty	Term of contract
Kangwon City Gas Co., Ltd. and 7 subsidiaries	Contract for the supply of long-term. natural gas (*1)	Korea Gas Corporation Co., Ltd.	-
SK E&S Co., Ltd.	Contract of supply for natural gas Contract for the repair and maintenance of gas turbine	Tangguh PSC Contractor Parties GE International Inc.	2006.1 ~ 2026.7 2004.6 ~ 2026.12 (estimated)
	Contract for the storage and vaporization service of natural gas	POSCO ENERGY Co., Ltd.	2005.6 ~ 2025.12 2020.7 ~ 2040.12
	Rental contract of the plant and tower site	POSCO Co., Ltd.	2003.8 ~ 2028.12
	Contract for the REC trading	Godeok Green Energy Co., Ltd. and others	20 years from contract
Paju Energy Service Co., Ltd.	Contract for the long-term maintenance program	Siemens AG and others	2014.6 ~ 2031.6 (estimated)
	Contract for the REC trading	GeoGeum Solar Park Co., Ltd. and others	15 years from 2018
	Contract for LTSA	Doosan Fuelcell Co., Ltd.	10 years from performance warranty date
Narae Energy Service Co., Ltd.	Contract for the long-term maintenance program	Siemens AG and others	2015.1 ~ 2032.1 (estimated)
	Contract for the long-term maintenance program	Doosan Enerbility Co., Ltd. (formerly, Doosan Heavy Industries & Construction Co., Ltd.)	12 years from 2012
	Contract for the operation and Maintenance program	Jeonbuk Group Energy Co., Ltd. and Gimcheon Energy Service Co., Ltd.	2015.1 ~ 2025.1
	Contract for the supply of long-term natural gas	Korea Gas Corporation Co., Ltd.	20 years from 2015.5
	Contract for the REC trading	K Solar E Ho Co., Ltd. and others	20 years from contract
Narae Energy Service Co., Ltd. and Paju Energy Service Co., Ltd.	Contract for the use plumbing system	Korea Gas Corporation Co., Ltd.	20 years from 2017
SK E&S Co., Ltd. and Narae Energy Service Co., Ltd. and Paju Energy Service Co., Ltd.	Contract for the storage and vaporization service of natural gas	Boryeong LNG Terminal Co., Ltd.	20 years from 2017

Contracting parties	Description of contract	Counterparty	Term of contract
Yeoju Energy Service Co., Ltd.	Integrated Environmental Management Licensing Service	SK Eco Engineering Co., Ltd.(*2)	2019.1 ~ 2023.10
	Contract for LTSA	Siemens Gas & Power Gmbh Siemens Energy Ltd.	2019.12 ~ 2047.12 (estimated)
Busan City Gas Co., Ltd.	Rental contract	Megamart Co., Ltd. and others	Until 2022.07.25
LAI LNG, LLC	Contract for the liquefaction and storage of natural gas	FLNG Liquefaction 3, LLC	20 years from 2020
	Contract for the use pipeline of natural gas	Kinder Morgan, Inc.	20 years from 2020
Prism Energy International Pte. Ltd.	Contract of supply for natural gas	SHELL EASTERN TRADING PTE LTD and others	2019.6 ~ 2033.3
	Time charter contract	SK Shipping Co., Ltd.	20 years from ship delivery date
	Contract of supply for LNG	Generadora San Felipe Limited Partnership	10 years from commencement date
SK E&S Australia Pty. Ltd.	Contract for FPSO	BW Offshore Singapore Pte. Ltd. (Australia Branch)	15 years from service date
	Contract for the liquefaction	Darwin LNG Pty. Ltd.	2020.12 (contract)
	service of natural gas	and others	15 years from service date (estimated)
Prism Energy International Zhoushan Limited	Contract for the storage and vaporization service of natural gas	ENN (Zhoushan) LNG Co., Ltd.	2020.7 ~ 2030.7

- (*1) The Company has signed a contract with Korea Gas Corporation for natural gas supply for 20 years.
- (*2) During the current period, SK Eco Engineering Co., Ltd. comprehensively succeeded to the contractual status with the consolidated entity and the rights and obligations accordingly through the division and merger of SK Ecoplant Co., Ltd.
- 15) As of June 30, 2022, details of construction contracts about the subsidiaries of SK E&S Co., Ltd. are as follows (Korean won in millions):

Description of contract	Name of subsidiaries	Contract opponent	Term of contract	Amount
Contract for heat piping and others	Narae Energy Service Co., Ltd.	Eulmyo general construction Co., Ltd. and others	2021.02 ~ 2023.06 ₩	16,024
Yeoju natural gas power Plant EPC contract(*1)	Yeoju Energy Service Co., Ltd.	SK Eco Engineering Co., Ltd.(*2)	2019.12 ~ 2022.07 ₩	664,091
By-product hydrogen liquefacti Plant EPC contract(*1)	on IGE Co., Ltd.	SK Eco Engineering Co., Ltd.(*2)	2021.07 ∼ completion ₩	444,950

- (*1) For the purpose of performing the contract, Yeoju Energy Service Co., Ltd. received blank checks from SK Eco Engineering Co., Ltd.
- (*2) During the current period, SK Eco Engineering Co., Ltd. comprehensively succeeded to the contractual status with the consolidated entity and the rights and obligations accordingly through the division and merger of SK Ecoplant Co., Ltd.
- 16) As of June 30, 2022, details of material contracts of resource development by the subsidiaries of SK E&S Co., Ltd. are as follows:

Description of contract	Name of subsidiaries	Counterparty	Equity ownership
Barossa-Caldita, Australia	SK E&S Australia Pty. Ltd.	Santos NA Barossa Pty. Ltd.	37.5%
Woodford, USA	Dew Blaine Energy, LLC	Continental Resources, Inc.	49.9%
East Timor Bayu-Undan gas field and pipeline asset	BU12 Australia Pty. Ltd. BU13 Australia Pty. Ltd. SK E&S Australia Pty. Ltd. Prism DLNG Pte. Ltd.	Santos NA Darwin Pipeline Pty. Ltd. and others	25.0%

17) SK Energy Co., Ltd., SK Incheon Perochemical Co., Ltd., SK On Co., Ltd. and SK Geo Centric Co., Ltd., subsidiaries of the Group, pay electricity bills and tariffs through B2B corporate purchase agreement contracts and national tax cards signed with some financial institutions, and pay the bill to the credit card Company at the end of the credit donation period under the agreement. As of June 30, 2022, the related amount payable is \times 1,829,617 million, which are classified as current liabilities.

18) SK Energy Co., Ltd., a subsidiary of the Group, signed an option contract regarding the shares of ordinary stocks held by non-controlling shareholders of goodsFLOW Co., Ltd. The terms of the contract for this option are as follows:

Description	Put option	Call option	Call option
Purpose of Contract Option rights holder Option obligor	Acquisition of equity Tae-jin Jung, Byung-wook Oh and others SK Energy Co., Ltd.	SK Energy Co., Ltd. Tae-jin Jung, Byung-wook Oh and others	SK Energy Co., Ltd. Hanyu Energy Co., Ltd. and others
Payment method	Cash		
Object of exercise	A total of 1,014,362 shares (43.83%) of goo by Tae-jin Jung, Byung-wook Oh, shareho		A total of 351,076 shares (15.17%) of goodsFLOW Co., Ltd.'s shares held by Hanyu Energy Co., Ltd., shareholders of goodsFLOW Co., Ltd.
Time of exercise	The date on which three years have elapse or the date agreed between the parties, w		
Price of exercise	Price per share ₩33,553		Fair value at the time of exercise of the call option.

- 19) SK Innovation Co., Ltd., a subsidiary of the Group, sold its holdings (40%) of SK Lubricants Co., Ltd., a subsidiary of SK Innovation Co., Ltd., to Eco Solution Holdings Co., Ltd. (the "investor") on July 30, 2021. The shareholder agreement between the Investor and the Group, the largest shareholder of SK Lubricants Co., Ltd., in event of selling the stake, includes the following key terms:
 - Investor's Tag-along right and Co-Sale Process
 - Investor's right to make decisions on dividend policies, under certain conditions
 - The largest shareholder's right to request for sale of shares and Investor's right to demand the purchase of shares, under certain conditions
 - Restriction on disposal of shares of the largest shareholder and investor under certain conditions, etc.

Details of rights granted to investor are as follows.

Description	Conditions	Rights
Tag-Along Right	The largest shareholder sells shares when accomplishing certain conditions	The right to sell Investor's shares on the same conditions as the largest shareholder
Co-Sale Process	Failure of Initial Public Offering ("IPO") within the agreed period (8 years) and the total amounts of available for dividend are less than 2.5% of the annual interest rates based on IRR	The right to sell shares held by the largest shareholder along with shares held by
Dividend policy decision-making right	Failure of IPO within the agreed period (5 years)	The right to make decisions on dividend policies within
Default Put Option	In the event of a serious violation of a specific obligation clause agreed with Investor for a deliberate and malicious purpose	The right to sell the investors shares to the largest shareholder at an amount amount calculated by applying 10% annual interest rate based on IRR for the investment principal (\text{\psi}1,091,948 million).

SK Battery America Inc., a subsidiary, has signed a project agreement with Jackson County Industrial Development Authority and the Georgia Department of Economic Development (hereinafter referred to as "contract") to provide incentives such as property tax reduction. Under the contract, SK Battery America, Inc. transferred legal ownership of assets subject to property tax reduction to state agencies and received bonds issued by state agencies. The Group recognized the bonds and financial liabilities generated in the transaction as net amounts as they meet the offsetting criteria of KIFRS 1032, and the amount of bonds and financial liabilities set off as of the end of the current year is USD 2,556 million, and the book value after offset is $\mathbb{W}0$.

- 20) SK Telecom Co., Ltd., a subsidiary of the Group, sells its mobile handsets to customers on an installment payment plan through agents. SK Telecom Co., Ltd. entered into transfer agreements with the agents for the receivables of handset's installment payments, under which all the rights and obligations of the receivables are transferred to SK Telecom Co., Ltd. Then, SK Telecom Co., Ltd. entered into an asset securitization contract with a special purpose Company for the receivables, and accordingly, the balance of the receivables as of the end of the current reporting period is \times 381,759 million which is recorded as other receivables and long-term other receivables.
- 21) SK Siltron Co., Ltd., a subsidiary, acquired redeemable convertible preferred shares from Korea Credit Guarantee Fund for the current period in connection with the acquisition of shares in Terraon Co., Ltd., a subsidiary investment. Depending on the nature of the financial instrument, the Group has the option to convert 9,740 shares of Terraon Co., Ltd. into common shares, and the duration is 10 years from the date of issuance and can be exercised until November 18, 2030.
- 22) SK Ecoplant Co., Ltd., a subsidiary, entered into a share subscription agreement in order to acquire Sam Kang M&T Co., Ltd. The acquisition of the shares is expected to be completed in 2022, and the details are as follows (Korean won in millions):

	Expected date	Estimated acquisition	Estimated acquisit	ion
	of acquisition	<u>share (%)</u>	price	
Sam Kang M&T Co., Ltd.	August, 2022	32%	₩ 49,9	00

23) In February 2019, SK Biopharmaceuticals Co., Ltd., a subsidiary, signed a technology transfer contract with the European-based entity, Arvelle Therapeutics International GmbH (formerly Arvelle Therapeutics GmbH), in order to grant the exclusive rights of Cenobamate, an epilepsy treatment, in Europe. At the time of signing the technology transfer contract, SK Biopharmaceuticals Co., Ltd. received an Upfront Payment of USD 100,000,000 and recognized as a profit at the time of the receipt. In addition, in March 2021, the Milestone Payment of USD 110,000,000 was recognized as a profit at the time of notification of the permit in accordance with the marketing permission of European regulators (March 30, 2021). When the terms under the agreement are fulfilled in future periods, additional Milestone Payment of up to USD 320,000,000 will be recognized.

In February 2021, SK Biopharmaceuticals Co., Ltd., a subsidiary, sold all of its 12% ownership of Arvelle Therapeutics B.V.'s common shares to Angelini Pharma S.p.A. and received USD 31,766,890 in return for the closing of the transaction. The amount was recognized as non-operating income at the time of receipt. In addition, in March 2021, the Approval Payment of USD 13,220,625 was recognized as non-operating income at the time of notification of the permit (March 30, 2021). When the terms under the agreement are fulfilled in future periods, up to USD 9,252,177 can be additionally recognized as non-operating income. However, the amount of non-operating income that can be received may change depending on certain conditions.

In October 2020, SK Biopharmaceuticals Co., Ltd. signed a technology transfer contract with Ono Pharmaceutical Co., Ltd., an entity located in Japan, in order to grant the exclusive rights of Cenobamate in Japan and received an upfront payment of JPY 5,000,000,000. The upfront payment is recognized as a profit by allocating the amount in a reasonable way according to the contract. When the rights are approved by the Japanese regulator and succeed in commercializing in the future, SK Biopharmaceuticals Co., Ltd. will recognize the Milestone Payments of up to JPY 48,100,000,000 as a profit.

24) During November 2021, SK Biopharm Co., Ltd., a subsidiary, signed a license agreement to grant commercialization rights for six new drugs, including Ignis Theraputics and Senobamate in the Cayman Islands (China, Hong Kong, Macau, Taiwan), and received USD 20,000,000 in cash and 150 million preferred shares (USD 150,000,000). In the case of the down payment, the intellectual property right transfer fee and the clinical trial obligation were allocated, and the intellectual property right recognizes revenue at once with the license, and the completion of the service over the expected period of service. In the event licensing and commercialization is acheived, up to USD 15,000,000 Milestone Payment and Royalty Payment may be recognized.

In addition, during December 2021, a technology transfer agreement with Endo Ventures Limited was entered into in Canada to grant Senobamate exclusive rights in Canada and a down payment of USD 20,000,000 was received. The down payment was recognized as revenueat the same time as the right to use intellectual property rights, and the maximum amount of milestone payment of CAD 21,000,000 may be recognized as revenue under the permission and commercialization of Canadian regulators in the future.

25) SK Biopharmaceuticals Co., Ltd., a subsidiary, signed a technology transfer contract with Dexcel Limited in Israel in May 2022 to grant exclusive rights of Cenobamate in Israel and Palestine (West bank, including Gaza district), and received a deposit of USD 3,000,000, which has been allocated to the transfer consideration of intellectual property right and performance obligation of supplying semi-finished product at no cost. Revenue will be recognized for Intellectual property right as right-of-use asset at a point in time and the revenue for semi-finished product will be recognized at the time of supply.

(5) Hybrid bonds

Details of hybrid bonds as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

					For the six	-months ended
			Maturity date	Interest	June 30,	December 31,
Issue segment	Description	Issue date	(*1)	rate (%) (*2)	2022	2021
Group of SK Innovation	1st private equity bond type	2019.03.15	2049.03.15	4.20	₩ 600,000	₩ 600,000
Group of SK Telecom	2-1 private equity bond type	2018.06.07	2078.06.07	3.70	300,000	300,000
	2-2 private equity bond type	2018.06.07	2078.06.07	3.65	100,000	100,000
Group of SK E&S	2nd Korean currency type	2019.10.11	2049.10.11	3.30	330,000	330,000
	3rd Korean currency type	2020.07.14	2050.07.14	3.60	400,000	400,000

^(*1) The issuing Company may decide on early repayment and extension of maturity date when certain period is lapsed.

^(*2) After a certain period from the issue date, the interest rate will fluctuate in accordance with the contract.

(6) Others

As of June 30, 2022, 44 notes (including 41 blank notes) and 81 checks (including 80 blank checks) are provided to financial institutions as collateral for borrowings.

32. Pledged assets

The following assets were pledged as collateral for the Group's borrowings and others as of June 30, 2022 (Korean won in millions and foreign currencies in thousands):

Company	Asset	Currency	amount (*1)	Provided to	Description
SK Innovation Co., Ltd.	Investments in associates	KRW		Yemen LNG Company	Collateral for project
	associates			and others	financing
Netruck Co., Ltd.	Property, plant and equipment	KRW	4,500	Shinhan Bank	Collateral for borrowing
Won Poll Co., Ltd.	Property, plant and equipment	KRW	3,360	Shinhan Bank	Collateral for borrowing
SK Broadband Co., Ltd.	Property, plant and equipment	KRW	1,513	Lessor	Restricted real rights for office lease
Panasia Semiconductor Materials, LLC	Investment securities	KRW	18,345	Hana Securities Co., Ltd. and others	Collateral for borrowing
Incross Co., Ltd.	Financial instruction	KRW	23,787	Naver Co., Ltd. and others	Performance guarantees for contract
One store Co., Ltd.	Investment property and others	KRW	612	Shinhan Bank	Collateral for borrowing
SK Networks Co., Ltd.	Property, plant and equipment	KRW	390,748	Korea Development Bank and others	Collateral for sales and others
SK Magic Co., Ltd.	Property, plant and equipment	KRW	96,000	Korea Development Bank	Collateral for borrowing
SK Rent-a-Car Co., Ltd.	Property, plant and equipment	KRW	320,449	Korea Development Bank and others	Collateral for borrowing
	Financial instruction	KRW	300	Kodit 2022 the 5 th Securitization Specialty Co., Ltd.	Collateral for borrowing
		KRW	300	Kodit Global 2022-1 Co., Ltd.	Collateral for borrowing
SKC Solmics Co., Ltd.	Property, plant and equipment	KRW	91,100	Korea Development Bank and others	Collateral for borrowing
SK pucore Co., Ltd.	Property, plant and equipment	KRW	64,293	Korea Development Bank	Collateral for borrowing
SKCFTH Co., Ltd.	Investment subsidiaries	KRW	690,000	Korea Development Bank and others	Collateral for borrowing
SK Nexilis Co., Ltd.	Property, plant and equipment	KRW	396,000	Korea Development Bank and others	Collateral for borrowing
	Investment subsidiaries	KRW	99,920	Korea Development Bank	Collateral for borrowing
SK PIC Global Co., Ltd.	Property, plant and equipment	KRW	33,600	Korea Development Bank	Collateral for borrowing
SKC, Inc. SK E&S Co., Ltd.	Property, plant and equipment Investments in subsidiaries	USD KRW	70,000 300,000	Standard Chartered Bank Korea Development Bank	Collateral for borrowing Collateral for PF
	Investments in joint ventures	KRW	150,319	and others Korea Development Bank and others	Collateral for PF
		USD	14,000	BANGKOK BANK PUBLIC COMPANY LIMITED	Collateral for PF
	Investments in associates	KRW	18,621		Collateral for PF
Ko-one energy service Co., Ltd.	Investments in associates	KRW	2,711	Kookmin Bank and others	Collateral for PF
Busan Green Energy Co., Ltd.	Investments in associates	KRW	5,153	Shinhan Bank and others	Collateral for PF
Busan City Gas Co., Ltd.	Investment property	KRW	3,990	Megamart Co., Ltd. and others	Leasehold deposits
Paju Energy Service Co., Ltd.	Property, plant and equipment	KRW	360,000	Kookmin Bank and others	Collateral for borrowing
Chonnam City Gas Co., Ltd.	Property, plant and equipment	KRW	81	LG Hello Vision Co., Ltd.	Collateral for deposits received
Narae Energy Service Co., Ltd.	Property, plant and equipment and others	KRW	505,000	Korea Development Bank and others	Collateral for borrowing
Yeoju Energy Service Co., Ltd.	Property, plant and equipment	KRW	601,200	Korea Development Bank and others	Collateral for PF
Busan Jungkwan Energy Co., Ltd.	Property, plant and equipment	KRW	100,800	NH Bank and others	Collateral for borrowing
IGE Co., Ltd.	Property, plant and equipment	KRW	24,000	Korea Development Bank	Collateral for borrowing
Key Capture Energy, LLC.	Financial instruction	USD	96,539	RABOBANK and others	Collateral for service use
SK Ecoplant Co., Ltd.	Investment securities and others	KRW	33,401	Pledge establishment and others	Collateral for borrowing and others
	Investment property	KRW	1,415,982		Collateral for borrowing
Seongju Tech Co., Ltd.	Property, plant and equipment	KRW	10,206	Woori Bank	Collateral for borrowing
DDS Co., Ltd.	Property, plant and equipment	KRW	3,000	Korea Development Bank	Collateral for borrowing
Samwon ENT Co., Ltd.	Cash equivalents	KRW	-	KB Securities	Collateral for borrowing
Daewon Green Energy Co., Ltd.		KRW	5,280	Korea Development Bank	Collateral for borrowing
Green Environment Technology Co., Ltd.	Property, plant and equipment	KRW	19,693	Korea Development Bank	Collateral for borrowing
Environment Management	Property, plant and equipment	KRW	33,973	KEB Hana Bank and others	Collateral for borrowing
Corporation Co., Ltd	Investments in subsidiaries	KRW	529,311	KEB Hana Bank and others	Collateral for borrowing
	Investment securities and others	KRW	10,140	Korea Development Bank and others	Collateral for borrowing
	Others	KRW	1,442,054	KEB Hana Bank and others	Establishing pledge and others

32. Pledged assets (cont'd)

Company	Asset	Currency	amount (*1)	Provided to	Description
Eco Frontier (Singapore) Pte. Ltd.	Financial instruction	SGD	5,811	Maybank, CIMB, HSBC, Hua Nan Bank, ANZ Banking Group and others	Collateral for bank guarantee
	Property, plant and equipment	EUR	3,833	Sparkasse Vest Recklinghausen, Royal Bank of Scotland, Banco Santander and others	Collateral for borrowing
		SGD	20,390	Maybank	Collateral for borrowing
		THB	1,290	Bangkok Bank Public Co., Ltd.	Collateral for borrowing
SK Industrial Development China Co., Ltd.	Others	CNY	2,000,000	Bank of China communications	Collateral for borrowing
SK Specialty Co., Ltd.	Property, plant and equipment	KRW	137,000	Korea Development Bank	Collateral for borrowing
		USD	3,500	Korea Development Bank	Collateral for borrowing
		JPY	3,690,000	Korea Development Bank	Collateral for borrowing
		KRW	1,668	Yeongju city and Gyeongsang Buk-do	Government subsidy
	Financial instruction	KRW	60	Kodit 2022 the 9 th Securitization Specialty Co., Ltd.	Collateral for borrowing
		KRW	75		Collateral for borrowing
		KRW	165	Kodit Global 2022-1 Co., Ltd.	Collateral for borrowing
SK Specialty Japan Co., Ltd.	Property, plant and equipment	JPY	315.000	MUFG Bank	Collateral for borrowing
SK Materials Airplus Inc.	Property, plant and equipment	KRW	684,000	Korea Development Bank	Collateral for borrowing
·				and others	ŭ
SK Tri Chem Co., Ltd	Property, plant and equipment	KRW	3,692	Sejong City	Local investment promotion subsidy support collateral
SK Showa Denko Co., Ltd.	Property, plant and equipment	KRW	30,000	Korea Development Bank	Collateral for borrowing
SK Siltron Co., Ltd.	Property, plant and equipment	KRW	531,220	Korea Development Bank and others	Collateral for borrowing
SK Biotek Co., Ltd.	Property, plant and equipment	KRW	120,000	Korea Development Bank	Collateral for borrowing
Hweechan Co., Ltd.	Property, plant and equipment	KRW	13,440	KEB Hana Bank	Collateral for borrowing
SK REITs Co., Ltd.	Investment property	KRW	1,147,466	The lender and the lessor	Collateral for borrowing
Clean Energy REITs Co., Ltd.	Investment property	KRW	572,314	The lender and the lessor	Collateral for borrowing
SK Signet Inc.	Property, plant and equipment and others	KRW	12,000	Woori Bank	Collateral for borrowing
SK China Company, Ltd.	Others	USD	2,600	Kookmin Bank (Beijing)	Collateral for vehicls sales settlement
SK South East Asia Investment Pte. Ltd.	Property, plant and equipment and others	VND	11,095	ADB and Vietcombank	Collateral for borrowing and others
YES POWERTECHNIX	Property, plant and equipment	KRW	1,320	Industrial Bank of Korea	Collateral for borrowing
SK Materials Performance Co., Ltd		KRW	8,221	Korea Development Bank	Collateral for borrowing

(*1) The carrying amount of investment securities provided as collaterals for PF loans and facility borrowings are included.

SK Sheildus Co., Ltd., a subsidiary, provides its shares in Capstec Co., Ltd. as collateral for its long-term borrowing of \$1,713,291 million.

T-map Mobility Co., Ltd., a subsidiary, has signed a stock pledge establishment contract with the seller in connection with the acquisition of common shares of Seoul Airbus Co., Ltd. The seller has established the shares equivalent to 20% of the total number of shares issued by Seoul Airbus Co., Ltd. as the first priority in order to secure all debts to be borne in the future under Tmap Mobility Co., Ltd.'s stock trading contract and shareholder contract.

33. Guarantees provided among the Group entities

Guarantees provided among the Group entities as of June 30, 2022 are as follows (Korean won in millions and foreign currencies in thousands):

Guarantor	Guarantee	Currency	Amount	Description of guarantee
SK Inc.	Abrasax Investment Inc.	USD	315,000	Cash deficiency support of debt
	Hudson Energy NY, LLC	USD	226,000	Cash deficiency support of debt
SK Innovation Co., Ltd.	SK Battery America, Inc.	USD	1,680,000	Guarantee of debt
	SK Battery Hungary Kft.	USD	250,000	Guarantee of debt
	SK Hi-tech Battery Materials	USD	50,000	Guarantee of debt
	(Jiangsu) Co., Ltd.	CNY	500,000	Guarantee of debt
	SK Hi-Tech Battery Materials Poland	USD	130,000	Guarantee of debt
	Sp. Zo.o.	005	.00,000	Oddraines of dobt
	SK Battery Manufacturing Kft.	USD	500,000	Guarantee of debt
	on battery managed in grate	HUF	34,194,000	Guarantee of local factory construction
	SK Earthon Co., Ltd.	USD	34,000	Guarantee of mandatory work load
	Six Laithon Co., Ltd.	USD	34,000	for mining products
SK Innovation Co., Ltd. and SK On Co., Ltd.	SK On Hungary Kft.	HUF	9,810,000	Guarantee of local factory construction
SK Geo Centric Co., Ltd.	SK Ningbo Performance Rubber Co., Ltd.	USD	14,000	Guarantee of payment for license agreement
ort doo dentilo do., Eta.	SK Global Chemical Americas, Inc.	USD	160,000	Guarantee of payment for principal of debt
		EUR	216,000	Guarantee of payment for principal of debt
CK is tachnalamy Co. 1 td	SK Functional Polymer, S.A.S	CNY	700,000	
SK ie technology Co., Ltd.	SK Hi-Tech Battery Materials(Jiang Su) Co., Ltd.		•	Guarantee of financial obligation
SK Networks Co., Ltd.	SK Networks Hong Kong Ltd.	USD	90,600	Standing surety for investee
	SK Networks (Shanghai) Co., Ltd.	USD	18,000	Standing surety for investee
		CNY	54,000	Standing surety for investee
	SK Networks (Xiamen) Steel Processing Center Co., Ltd.	r CNY	68,000	Standing surety for investee
	SK Networks Resources Australia Pty. Ltd.	AUD	8,000	Standing surety for investee
SKC Co., Ltd.	SKC, Inc.	USD	109,000	Guarantee of payment
·	SKC (Jiangsu) High Tech Plastics Co., Ltd.	USD	69,725	Guarantee of payment
	(9)	CNY	210,000	Guarantee of payment
	SK Telesys Co., Ltd.	KRW	30,000	Guarantee of financial obligation
	SKC (Natong) PU Specialty Co., Ltd.	CNY	80,254	Guarantee of payment
	ONO (Nationg) 1 o opecially oo., Etc.	USD	7,000	Guarantee of payment
	SKC (Natong) Semiconductor Materials	USD	5,200	Guarantee of payment
01/ 500 0 111	Technology Co., Ltd.	LIOD	040.000	
SK E&S Co., Ltd.	CAILIP Gas Marketing, LLC	USD	210,000	Guarantee for derivative hedge and others
	Paju Energy Service Co., Ltd.	KRW	400,000	Guarantee of debt and others
	Narae Energy Service Co., Ltd.	KRW	270,000	Guarantee of debt and others
	Yeoju Energy Service Co., Ltd.	KRW	200,000	Guarantee of payment for principal of debt
	Prism Energy International Pte. Ltd.	USD	801,000	Guarantee for derivative hedge and others
	LAI LNG, LLC	USD	63,000	Guarantee for derivative hedge and others
	IGE Co., Ltd.	KRW	130,000	Guarantee of debt
	BU12 Australia Pty. Ltd.,	USD	306,650	Guarantee for BU gas field recovery cost
CV F9 C American Inc	BU13 Australia Pty. Ltd.			•
SK E&S Americas, Inc.	Cailip Gas Marketing, LLC	USD	40,000	Performance guarantee for purchase contract of Feed Gas
SK Ecoplant Co., Ltd.	SKEC Anadolu, LLC	EUR	62,330	Performance guarantees for contract and others
	Silvertown Investco Limited.	GBP	10,671	Guarantee of financial obligation
	Sunlake Co., Ltd.	CAD	6,000	Guarantee of financial obligation
	SK E&C Betek Corporation	USD	108,500	Guarantee of financial obligation
	Environment Management Corporation Co., Ltd.	KRW	60,880	Fund supplement agreement for loan agreement
	Samwon ENT Co., Ltd.	KRW	69.000	Conditional debt acquisition
	Eco Frontier (Singapore) Pte. Ltd.	USD	810.000	Guarantee of payment and others
Environment Management	Gyeongsan Clean Water Way Co., Ltd.	KRW	8,200	Guarantee of payment and others
Corporation Co., Ltd	Dalseong Maleunmulgil Co., Ltd.	KRW	3,200	Guarantee of debt and others
Corporation Co., Liu	Honam Environment Energey Co., Ltd.	KRW	3,200 8,000	Guarantee of debt
CK Specialty Co. 144				
SK Specialty Co., Ltd.	SK Specialty Jiangsu Co., Ltd.	USD	29,000	Guarantee of debt
	SK Specialty Taiwan Co., Ltd.	USD	2,000	Guarantee of debt
01/ 0: 11 0 111	SK Specialty Japan Co., Ltd.	JPY	276,000	Guarantee of debt
SK Biotek Co., Ltd.	SK Biotek Ireland Limited.	USD	30,000	Guarantee for credit limit
	21/21/2	EUR	10,000	Performance guarantees
SK Siltron Co., Ltd.	SK Siltron CSS, LLC	USD	55,000	Guarantee of debt

34. Financial risk management

Regarding financial instruments, the Group is exposed to a variety of financial risks: credit, liquidity and market. This note presents information related to risk exposures of the Group and the main objective, strategy, evaluation of risk, management process and capital management. Additional quantitative information is stated throughout the interim condensed consolidated financial statements.

34.1 Financial risk management

34.1.1 Risk management activities

The board of directors has overall responsibility for the establishment and oversight of the Group's risk management framework. The board of directors has established the risk management committee, which is responsible for developing and monitoring the Group's risk management policies. The risk management committee reports regularly to the board of directors on its activities. The Group audit committee is assisted in its oversight role by internal audit.

Internal audit undertakes both regular and ad hoc reviews of risk management controls and procedures, the results of which are reported to the Group audit committee. The Group's risk management policies are established to identify and analyze the risks faced by the Group, to set appropriate risk limits and controls and to monitor risks and adherence to limits. Risk management policies and systems are reviewed regularly to reflect changes in market conditions and the Group's activities. The Group, through its training and management standards and procedures, aims to develop a disciplined and constructive control environment in which all employees understand their roles and obligations.

34.1.2 Credit risk

Credit risk is the risk of financial loss of the Group if a customer or counterparty to a financial instrument fails to meet its contractual obligations. In addition, the maximum exposure to credit risk as of June 30, 2022 and December 31, 2021 is as follows (Korean won in millions):

		June 30, 2022	De	ecember 31, 2021
Financial assets measured at FVTPL	₩	14,705,572	₩	10,871,691
Financial assets measured at FVOCI		18,754		7,799
Financial assets measured at amortized cost		28,685,959		25,365,205
Derivatives designated as hedging instruments		696,227	-	263,779
	₩	44,106,512	₩	36,508,474

The Group has provided payment guarantees for others including related parties, associates and others. The Group, due to its payment guarantees, is exposed to credit risk (see Note 31).

34.1.2.1 Trade and other receivables

The Group enters into transactions only with customers that are credit worthy. Credit quality of a customer is assessed based on an extensive credit rating scored and individual credit limits are defined in accordance with this assessment. Outstanding customer receivables are regularly monitored and credit quality may be adjusted to reflect the appropriate appetite of credit risk in accordance with the Group's risk management policies.

The Group applies a simplification method that recognizes lifetime expected credit losses as a loss allowance for trade and other receivables. To measure expected credit losses, sales receivables and contract assets were divided based on credit risk characteristics and past due dates.

34.1.2.2 Guarantee

SK ecoplant Co., Ltd., one of the subsidiaries, offers payment guarantees for loans of project financing. The financing liabilities related to the payment guarantees recognized are \(\pi\)16,974 million as of June 30, 2022. The Group recognizes the financial guarantee liabilities related to the payment guarantees contracted with the Group, such as SK ecoplant Co., Ltd., as of June 30, 2022 and December 31, 2021.

		June 30, 2022		<u>December 31, 2021</u>
SK Innovation Co., Ltd.	₩	773	₩	1,137
SK ecoplant Co., Ltd.		16,974		15,921
SKC Co., Ltd.		72		-
SK Biotek Co., Ltd.		472		472
SK Showa Denko Co., Ltd.		4		22
	$\underline{\mathbb{W}}$	18,295	₩	17,552

In addition, the Group has provided payment guarantees for others, including subsidiaries and others (see Notes 31 and 33).

34.1.2.3. Other financial assets

Credit risk arising from other financial assets consists of long-term and short-term financial instruments, occurrence of trade opponent arising from the bankruptcy, etc. In this case, the credit risk exposure of the Group will be the same as the book value of the maximum applicable financial instruments. On the other hand, the management of the Group's credit rating, because it is excellent to deal with financial institutions, is judged to have limited impact on the credit risk of the financial institutions of the Group.

34.1.3 Liquidity risk

Liquidity risk is the risk that the Group encounters difficulty in meeting the obligations of the financial liabilities. The Group's approach to managing liquidity is to ensure, as far as possible, that it will always have sufficient liquidity to meet its liabilities when due, under both normal and stressed conditions, without incurring unacceptable losses or risking damage to the Group's reputation.

The contractual maturity of financial liabilities as of June 30, 2022 is as follows. Amounts include interests paid and presented at gross amounts (Korean won in millions):

	Book value	Contractual cash flow	Less than 3 months	3~12 months	1~5 years	More than 5 years
Loans and borrowings	₩ 32,020,989 ₩	∀ 33,376,176 ₩	7,179,326 ₩	11,913,194 ₩	13,642,032	₩ 641,624
Bonds	35,936,871	39,374,422	1,222,455	6,207,664	24,658,904	7,285,399
Derivative financial liabilities	675,928	675,928	75,371	263,129	337,428	-
Trade payables	14,802,757	14,802,757	13,958,765	843,992	-	-
Lease liabilities	5,486,802	6,118,991	144,312	1,151,486	3,418,624	1,404,569
Other liabilities	13,655,741	13,683,182	5,945,513	5,846,893	1,652,360	238,416
	₩ 102,579,088 ₩	∀ 108,031,456 ₩	28,525,742 ₩	26,226,358 ₩	43,709,348	₩ 9,570,008

34.1.4 Market risk

Market risk is the fluctuating risk in fair value of the financial instruments or future cash flows caused by the changes in market price. Market risk consists of currency risk, interest rate risk, crude oil and petroleum product price risk, and others. The fundamental goal of market price management is the maximization of the profit and the limit of the exposure to market risk within an acceptable level. The Group sells and purchases financial derivatives and financial instruments or financial liabilities for the purpose of controlling the market risk. In general, the Group applies hedge accounting in order to minimize the volatility of profit.

34.1.4.1 Currency risk

The Group is exposed to foreign currency risk arising from sales and purchases denominated in currencies other than functional currency. Main currencies used for these transactions are USD, JPY, CNY and EUR.

Details of foreign currencies assets and liabilities as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions and foreign currencies in thousands):

		June 3	0, 2022	December 31	l, 2021
		Foreign	Korean won	Foreign	Korean won
	Currency	currencies	<u>equivalent</u>	currencies	equivalent
Assets	USD	11,374,747	₩ 14,706,410	7,542,986 ₩	8,942,210
	JPY	16,057,463	151,976	16,318,984	168,125
	CNY	2,106,095	405,950	2,468,361	459,757
	EUR	332,733	449,206	400,449	537,539
	Others		2,099,188		912,134
			<u>₩ 17,812,730</u>	<u>₩</u>	11,019,765
Liabilities	USD	14,541,698	₩ 18,800,961	11,908,339 ₩	14,117,336
	JPY	12,788,127	121,033	10,970,493	113,022
	CNY	4,800,813	925,357	1,024,139	190,756
	EUR	467,893	631,679	167,922	225,408
	Others		593,233		531,211
			<u>₩ 21,072,263</u>	<u>₩</u>	15,177,733

Should the exchange rate of the aforementioned currencies fluctuate by 10%, the effects on equity would be as follows (Korean won in millions):

			June 3	30, 2022	December 31, 2021		
	Currency	Increase	e by 10%	Decrease by 10%	Increase by 10%	Decrease by 10%	
USD		₩	(409,455)	₩ 409,455	₩ (517,513)	₩ 517,513	
JPY			3,094	(3,094	5,510	(5,510)	
CNY			(51,941)	51,941	26,900	(26,900)	
EUR			(18,247)	18,247	31,213	(31,213)	

The Group is hedging currency risk by using derivative financial instruments such as currency swaps, currency forwards and others (See Note 19).

34.1.4.2 Interest rate risk

Interest rate risk is the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in market interest rates. The Group's exposure to the risk of changes in market interest rates relates primarily to the Group's long-term debt obligations with floating interest rates. The Group's management has entered into the foreign currency swap and interest rate swap contracts to manage its interest rate risk (see Note 19).

34.2 Capital risk management

The fundamental goal of capital management is to keep a sound financial structure. The Group is using the debt ratio, calculated as total debt divided by total amount of capital, as an indicator of capital management. The Group maintains a debt ratio of 162.1% as of June 30, 2022. The maturity of the debt is dispersed in the long term; so, debt-repayments are not demanding.

The Group's debt ratio as of June 30, 2022 and December 31, 2021 are as follows (Korean won in millions):

	Jı	une 30, 2022 <u> </u>	December 31, 2021	
Total liabilities	f W	115,691,612 ₩	99,815,712	
Total equity		71,362,539	65,542,735	
Debt ratio		162.1%	152.3%	

35. Business combination

As of June 30, 2022, details of business combination are as follows.

(1) General information

In order to strengthen the manufacturing and sales business of basic chemical raw materials (Polyol), SKC Co., Ltd. acquired substantial control over 50% of Mitsui Chemicals & SKC Polyurethanes Inc. on January 1, 2022 as the date of acquisition. Accordingly, the classification of Mitsui Chemicals & SKC Polyurethanes Inc. has been changed from investment in joint venture to investment in subsidiary.

Mobility Solution II Inc., a subsidiary, gained control by acquiring a 100% stake in EverCharge, Inc. on March 23, 2022.

SK ecoplant., Co., Ltd., a subsidiary, established Eco Frontier (Singapore) Pte. Ltd. during the current period to start the electronic waste recycling business, and acquired 100% of shares in Tes-Envirocorp Pte. Ltd. on April 30, 2022, the deemed acquisition date and acquired 52 subsidiaries. In addition, for the purpose of expanding the portfolio of environmental business during the current period, SK ecoplant., Co., Ltd. acquired 100% of the shares of J.A. Green Co., Ltd. on June 30, 2022, the deemed acquisition date.

T-map Mobility Co., Ltd., a subsidiary, acquired a 100% stake and gained control in Seoul Airbus Co., Ltd. to expand and strengthen its business portfolio.

35. Business combination (cont'd)

(2) Identifiable assets acquired and liabilities assumed

Identifiable assets acquired and liabilities assumed due to merger are as follows (Korean won in millions):

			Tes-Envirocorp		
<u>-</u>	SK pucore Co., Ltd.	EverCharge, Inc.	Pte. Ltd.	JA GREEN Co., Ltd	d. Seoul Airbus Co., Ltd.
Assets:					
Cash and cash equivalents	₩ 11,986	₩ 765	₩ 96,399	₩ 1,194	₩ 328
Trade and other receivables	113,340	1,114	116,360	2,278	1,019
Inventories	96,862	1,403	21,353	-	36
Property, plant and equipmen	t 107,061	183	82,267	38,858	7,240
Right-of-use assets	9,687	-	36,300	7	5
Intangible assets	113,874	250	29,791	1	395
Other assets	411,605		27,716	2,226	4,959
	864,415	4,233	410,186	44,564	13,982
Liabilities:					
	₩ 97,359	₩ 1.260	₩ 124,723	₩ 3,585	₩ 1,560
Borrowing liabilities	113,774	,	48,008	12,100	-
Lease liabilities	10,176	,	37,600	.2,.00	5
Current income tax liabilities	3,878		-	614	-
Defined benefit liabilities	682	-	-	· -	163
Deferred income tax liabilities	14,072	-	8,176	-	-
Other liabilities	11,796	110	32,238	11,082	213
-	251,737	4,851	250,745	27,381	1,941
Fair value of identifiable					
net assets	₩ 612,678	₩ (618)	₩ 159,441	₩ 17,183	₩ 12,041

As of June 30, 2022, the fair value of the assets acquired and liabilities assumed was determined tentatively because independent valuation was not completed.

(3) Goodwill

Goodwill arising from business combination is as follows (Korean won in millions):

	Tes-Envirocorp					
	SK puc	ore Co., Ltd.	EverCharge, Inc.	Pte. Ltd.	JA GREEN Co., Ltd	d. Seoul Airbus Co., Ltd.
The total consideration transferred (*1)	₩	400,212 ₹	₩ 314,401	₩ 1,369,872	9 ₩ 132,230	₩ 57,797
 b. Fair value of proportional share of acquired net assets: 	e					
Fair value of the net identifiable assets Non-controlling		612,678	(618)	159,441	17,183	12,041
Interests (*2)		(400,212)	<u> </u>			
		212,466	(618)	159,441	17,183	12,041
c. Goodwill (c=a-b)	₩	187,746 ¥	₹ 315,019	₩ 1,210,431	₩ 115,047	₩ 45,756

^(*1) It includes the fair value of interests of investments in associates and joint ventures held before the business combination.

^(*2) Non-controlling interests arising from the merger are measured in proportion to the non-controlling interests in identifiable net assets of the merged company.

36. Subsequent events

36.1 Interim dividend payment of SK Inc.

SK Inc. declared to pay interim dividend in accordance with the board's resolution on July 21, 2022 as follows:

Amount of interim dividend W1,500 per share (total amount of dividend: W85,035 millions)

Ratio of dividend to market value
Basic date for dividend June 30, 2022

Date of dividend payment Within one month from the resolution date by Commercial Act Article 464-2 (1)

36.2 Establishment and Investment of Energy Solution Group

On August 2, 2022, the Company jointly established and acquired Energy Solution Group (acquisition amount: USD 161 million) with its subsidiary, SK Energy Co., Ltd.

36.3 Establishment and acquisition of BlueOval SK, LLC by SK ON Co., Ltd

SK ON Co., Ltd., a subsidiary, increased paid-in capital (investment amount: USD 139 million) in SK Battery America, Inc., a subsidiary, as of July 12, 2022 according to the resolution of the board of directors on June 29, 2022. With the increase in capital, SK Battery America Inc., a subsidiary, has established and acquired a 50% stake in BlueOval SK, LLC, a joint venture with Ford Motor Company, as of July 13, 2022.

36.4 Acquisition of a stake in Changzhou BTR New Material Technology in SK ON Co., Ltd.

SK ON Co., Ltd., a subsidiary, acquired a 31.3% stake in Changzhou BTR New Material Technology as of July 15, 2022 (acquired amount: CNY 438 million) to secure supply stability and business competitiveness of cathode materials.

36.5 Interim dividend payment of SK Telecom Co., Ltd.

SK Telecom Co., Ltd. declared to pay interim dividend in accordance with the board's resolution on July 28, 2022 as follows:

36.6 Resolution to exchange shares of SK Telecom Co., Ltd.'s

SK Telecom Co., Ltd., a subsidiary, decided to buy and sell shares to strengthen strategic cooperation with Hana Financial Group at the board of directors' meeting on July 22, 2022.

According to the resolution, on July 27, 2022, SK Telecom Co., Ltd. disposed of all of Hana Card Co., Ltd.'s common shares (39,902,323 shares) and Finnq Inc.'s common shares (6,370,000 shares) to Hana Financial Group for $\mbox{$\mathbb{H}$}$ 330,032 million and $\mbox{$\mathbb{H}$}$ 5,733 million, respectively. SK Telecom Co., Ltd. is obligated to purchase common shares of Hana Financial Group from July 27, 2022 to January 31, 2024 after depositing $\mbox{$\mathbb{H}$}$ 330,032 million in a specific money trust by the agreement with Hana Financial Group.

As part of the above transaction, SK Telecom Co., Ltd. disposed of all shares in SK Square Co., Ltd. (767,011 shares) to Hana Card Co., Ltd. for $\mbox{$\mathbb H$}$ 31,563 million on July 27, 2022, and Hana Card Co., Ltd. is obligated to purchase common shares of SK Telecom Co., Ltd. from July 27, 2022 to January 31, 2024 after depositing $\mbox{$\mathbb H$}$ 68,437 million in a specific money trust.

Shares acquired by SK Telecom Co., Ltd., Hana Financial Group Co., Ltd., and Hana Card Co., Ltd. cannot be sold until the end of March 2025.

36.7 Disposal of NanoEnTek Inc. by SK Square Co., Ltd.

SK Square Co., Ltd., a subsidiary, decided to dispose of 7,600,649 shares (28.4% stake) of common stock of NanoEnTek Inc. at the board meeting on July 19, 2022. The disposal amount is $\mbox{$\mathbb{H}$}$ 58,000 million, and the scheduled disposal date is September 22, 2022.

36.8 Investment Resolution of T-Mobility Co., Ltd.

In order to expand and strengthen its business portfolio, T-map Mobility Co., Ltd., the subsidiary, decided to acquire 10,000 shares (100% stake) of common stock in Ro G Soft Ltd. at the board meeting on June 15, 2022. The acquisition amount is $\mbox{$\mathbb{W}$}$ 54,701 million, and the acquisition completion date is August 8, 2022. The acquisition amount may vary depending on the earnout provision and terms and conditions of the contract.

36.9 Issuance of convertible preferred shares of SK ecoplant Co., Ltd.

SK ecoplant Co., Ltd., a subsidiary, has decided to issue 1,333,334 shares of preferred stocks (CPS) with voting rights in accordance with a resolution of the board of directors held on June 30, 2022. The date of issuance of the convertible preferred stock is July 22, 2022, and the issuance amount is \pm 600,000 million (issue price: \pm 450,000 per share, face value: \pm 5,000).

36.10 Call option exercise of SK ecoplant Co., Ltd.

By the resolution of the board of directors' meeting on August 10, 2022, SK ecoplant Co., Ltd., a subsidiary, decided to exercise the right to call options of USD 310 million to Bloom Energy Corporation.

36.11 Technology Transfer Contract Signs of SK Biopharmaceuticals Co., Ltd.

SK Biopharmaceuticals Co., Ltd., a subsidiary, signed a technology transfer agreement with Eurofarma Laboratorios S.A. based in Brazil in July 2022 to grant exclusive rights of Cenobamate in 17 Latin American countries including Brazil and Mexico, and received a USD 15,000,000 of upfront payment. In this regard, revenue was recognized for intellectual property right as right-of-use asset at a point in time. Revenues will be recognized for Milestone Payments for up to USD 43,000,000 if contractual conditions are met in the future such as permission from Brazilian and Mexican regulators and commercialization.

36.12 Issuance of Public Offered Bonds by SK E&S Co., Ltd.

SK E&S Co., Ltd., a subsidiary, has issued unguaranteed public offering bonds, and the details of issuance are as follows (Korean won in millions):

	The date		Interest rate	
	of issue	Maturity date	(%)	June 30, 2022
17-1	2022-07-27	2025-07-25	4.23	₩ 260,000
17-2	2022-07-27	2027-07-27	4.29	90,000
				₩ 350,000