
APPENDIX

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FINANCIAL DATA

Consolidated financial statements

(Unit: KRW)

	End of 46th	End of 47th	End of 48th
Assets			
Current Assets	4,773,880,158,248	3,958,265,726,800	3,605,075,720,088
Cash and Cash Equivalents	1,287,968,374,149	1,011,701,875,328	1,209,015,663,790
Account Receivable and Other Receivable	1,203,289,301,635	1,046,794,723,821	1,218,252,689,424
Inventories	749,950,201,656	729,058,574,260	966,571,644,365
Other Investment Assets	595,558,128,244	932,699,739,874	113,795,179,915
Other Current Assets	78,710,193,661	158,666,025,997	97,440,542,594
Non-current Assets Held for Sale	858,403,958,903	79,344,787,520	-
Non-current Assets	11,451,423,299,504	10,942,045,507,407	12,146,400,609,645
Account Receivable and Other Receivable	65,848,344,133	5,145,658,180	3,379,614,318
Investments in Associates	5,172,923,891,838	5,525,570,909,727	6,219,349,912,456
Tangible Assets	3,228,961,726,889	2,503,794,949,241	2,930,339,325,646
Intangible Assets	1,277,621,026,307	941,686,030,402	897,447,247,322
Real Estate Investments	228,181,655,070	145,683,976,159	149,914,778,172
Pre-paid Salary Assets	-	15,732,302,823	-
Deferred Tax Assets	40,764,514,720	38,421,655,680	41,407,873,779
Other Investment Assets	1,298,649,901,851	1,626,791,063,141	1,785,846,776,491
Other Non-current Assets	138,472,238,696	139,218,962,054	118,715,081,461
Total Assets	16,225,303,457,752	14,900,311,234,207	15,751,476,329,733
Liabilities			
Current Liabilities	3,201,335,106,805	2,212,795,893,287	2,670,359,532,470
Account Payables and Other Payables	2,068,729,998,495	1,658,167,209,814	1,485,918,600,167
Income Tax Payable	17,250,350,548	43,097,065,919	20,807,947,629
Advance Payment	48,343,481,753	77,372,218,374	50,470,586,582
Unearned Revenue	19,820,912,000	50,198,579,787	33,857,200,178
Short-term Loan	1,047,190,364,009	383,960,819,393	1,079,305,197,914
Non-Current Liabilities	1,770,775,498,102	1,723,405,113,962	1,629,117,299,821
Account Payables and Other Payables	125,909,534,438	218,037,566,906	181,119,003,713
Long-term unearned revenue	60,737,684,095	69,135,389,783	47,612,643,092
Long-term Loan	702,450,008,323	566,585,621,889	345,303,351,571
Salary Payables	79,274,231,719	-	25,621,629,290
Derivative Liabilities	-	19,211,000,000	20,220,577,592
Deferred Tax Liabilities	802,404,039,527	850,435,535,384	1,009,240,094,563
Total Liabilities	4,972,110,604,907	3,936,201,007,249	4,299,476,832,291
Stockholder's Equity			
Controlling Interest	11,011,996,227,176	10,722,130,891,929	11,257,301,680,704
Paid-in-Capital	356,712,130,000	356,712,130,000	356,712,130,000
Capital Stock	356,712,130,000	356,712,130,000	356,712,130,000
Other Capital	5,802,144,525,108	5,370,701,484,132	5,300,002,330,347
Other Capital Surplus	5,031,244,206,194	5,031,244,206,194	5,042,698,139,239
Other Capital	-10,848,672,785	-251,530,117,715	-345,131,583,767
Other Comprehensive Income	781,748,991,699	590,987,395,653	602,435,774,875
Retained Earnings (Deficit)	4,853,139,572,068	4,994,717,277,797	5,600,587,220,357
Non-Controlling Interests	241,196,625,669	241,979,335,029	194,697,816,738
Total Stockholder's Equity	11,253,192,852,845	10,964,110,226,958	11,451,999,497,442
Total Liabilities and Equity	16,225,303,457,752	14,900,311,234,207	15,751,476,329,733

[48th: 2017.01.01 - 2017.12.31 / 47th: 2016.01.01 - 2016.12.31 / 46th: 2015.01.01 - 2015.12.31]

Consolidated Statement of Comprehensive Income

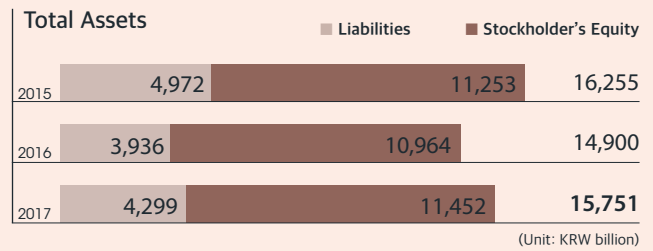
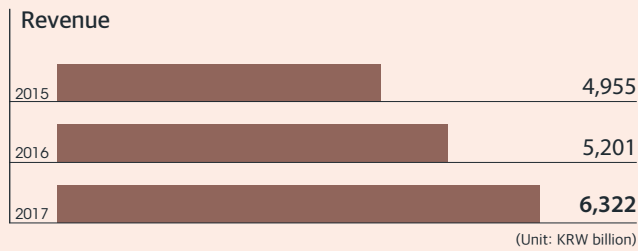
(Unit: KRW)

	End of 46th	End of 47th	End of 48th
Revenue	4,954,861,345,574	5,200,822,510,213	6,321,560,921,969
Cost of Goods Sold	4,114,742,488,185	4,450,250,017,519	5,152,472,076,172
Gross Profit	840,118,857,389	750,572,492,694	1,169,088,845,797
Selling and Administrative Expenses	1,107,612,751,925	1,676,905,126,686	1,052,194,059,279
Operating Income (Loss)	-267,493,894,536	-926,332,633,992	116,894,786,518
Other Income	839,362,791,868	522,463,321,541	196,226,647,012
Other Expenses	1,000,732,520,120	649,922,869,981	183,023,147,146
Financial Income	170,296,343,485	285,569,134,952	250,012,082,221
Financial Expenses	191,449,335,919	297,649,578,505	251,450,264,219
Gains and Losses from Equity Method	279,900,381,630	245,178,733,518	695,404,774,170
Earnings (Loss) Before Taxes	-170,116,233,592	-820,693,892,467	824,064,878,556
Income Tax Expense (Income)	-39,218,616,879	57,809,852,547	180,871,015,592
Income (Loss) from Continuing Operations	-130,897,616,713	-878,503,745,014	643,193,862,964
Income (Loss) from Discontinued Operations	156,583,382,456	1,089,614,935,226	-
Net Income (Loss)	25,685,765,743	211,111,190,212	643,193,862,964
Other Comprehensive Income	-555,798,152,226	-222,175,443,064	-6,154,449,821
Items that will not be reclassified to profit or loss	7,285,128,783	-7,514,539,894	16,421,113,526
Re-measurement of Net Defined Benefit Liabilities	9,591,501,399	-9,891,811,881	21,529,601,753
Tax effects	-2,306,372,616	2,377,271,987	-5,108,488,227
Items that may be reclassified to profit or loss	-563,083,281,009	-214,660,903,170	-22,575,563,347
Revaluation of derivatives	279,629,986	-	-
Revaluation of financial assets available for sale	-732,330,579,246	-319,318,208,339	171,461,576,116
Changes in the capital under Equity Method	-35,382,509,548	107,468,284,369	-1,625,771,441
Foreign currency translation	21,165,811,745	-54,772,638,958	-156,923,295,181
Tax effects	183,184,366,054	51,961,659,758	-35,488,072,841
Total Comprehensive Income	-530,112,386,483	-11,064,252,852	637,039,413,143
Net Income (Loss) Attributable to			
Controlling Interest	53,846,137,611	219,405,853,323	657,236,340,934
Non-Controlling Interest	-28,160,371,868	-8,294,663,111	-14,042,477,970
Comprehensive Income (Loss) Attributable to:			
Controlling Interest	-502,765,900,272	21,129,717,383	685,105,833,682
Non-Controlling Interest	-27,346,486,211	-32,193,970,235	-48,066,420,539
Earnings Per Share (EPS)			
Basic earnings per ordinary share	766	3,133	9,824
Basic earnings (loss) per share from continuing operations	-1,458	-12,434	9,824
Basic earnings (loss) per share from discontinued operations	2,224	15,567	-
Basic earnings per preference share	816	3,183	9,874
Basic earnings (loss) per share from continuing operations	-1,408	-12,384	9,874
Basic earnings (loss) per share from discontinued operations	2,224	15,567	-

[48th: 2017.01.01 - 2017.12.31 / 47th: 2016.01.01 - 2016.12.31 / 46th: 2015.01.01 - 2015.12.31]

SUSTAINABILITY DATA

Economic performance



Financial performance

		Unit	2015	2016	2017
Revenue	Energy Solution	KRW 100 Million	33,127	34,302	43,042
	Electronic Materials		16,421	17,706	20,174
Operating Income			-2,675	-9,263	1,169
Net Income			257	2,111	6,432

Output

		Unit	2015	2016	2017
Energy Solution	Small-sized Li-ion batteries, etc.	Million	1,079	1,053	1,158
Electronic Materials	EMC	Ton	6,469	6,218	6,236
	Polarizing film	1,000m ²	34,217	45,023	66,046

Market share

		Unit	2015	2016	2017
Energy Solution <small>(Source: Report published by B3, a market researching firm)</small>	Small-sized Li-ion battery	%	25	24	21
	- Cylindrical		29	26	24
	- Prismatic		27	25	25
	- Polymer		18	14	14
	Automotive Battery		6	7	7
	ESS		16	21	30.5
Electronic Materials <small>(Source: Samsung SDI Electronic Material Management Support Team)</small>	EMC		7	7	7
	Polarizing film		6	7	8
	PV Paste		29	32	22

Enhancement of R&D capability

		Unit	2015	2016	2017
R&D Investment					
Investment	KRW 100 million		5,389	5,525	5,259
Investment / Revenue	%		10.9	10.6	8.3
Training R&D Resources					
R&D staff	Persons				2,215
R&D staff / Total employee	%				24.2
Patent Registration					
Korea	Case		4,770	4,273	4,314
U.S.		2,044	2,702	2,869	
China		1,380	1,392	1,437	
Japan		1,307	1,127	1,084	
Europe		735	1,812	2,981	
Other		498	580	619	
Total		10,734	11,886	13,304	

Tax risk management

(2017 Tax Payment by Country)

Korea		-8,824,497,593	South East Asia		1,289,524,434
Japan		290,658,958	China		6,439,093,400
America		249,024,441	Latin America		73,937,862
Europe		12,645,272,394	Hong Kong		1,306,399,754

(Unit: KRW)

Environmental performance

Pollutant emissions
management &
Waste management &
Water use
management

Water Resources	Unit	2015	2016	2017
Company-wide Consumption	1,000 ton	5,246	5,646	6,408
Domestic Consumption	1,000 ton	3,456	3,399	3,484
Oversea Consumption	1,000 ton	1,790	2,247	2,924
Intensity	1,000 ton/KRW 100 million	0.11	0.11	0.10
Waste Water				
Waste Water	Unit	2015	2016	2017
Domestic Treatment Amount	1,000 ton	3,771	2,535	1,960
Overseas Treatment Amount	1,000 ton	425	373	1,060
Intensity	1,000 ton/KRW 100 million	0.08	0.06	0.05
Hazardous Chemical Substance				
Hazardous Chemical Substance	Unit	2015	2016	2017
Company-wide Consumption	ton	21,429	20,694	26,097
Domestic Consumption	ton	20,984	20,274	24,228
Oversea Consumption	ton	445	420	1,869
Intensity	ton/KRW 100 million	0.43	0.38	0.41
Waste				
Waste	Unit	2015	2016	2017
Domestic Emissions	ton	35,705	40,346	46,705
Oversea Emissions	ton	12,433	12,957	26,025
Intensity	ton/KRW 100 million	0.97	0.98	1.15
Designated Waste Generation	ton	23,540	21,922	25,225
Recycle/ Landfill Rate in Domestic	%	98.9 /0.8	97.7 /1.9	99.0 /1.0
Recycle/ Landfill Rate in Overseas	%	87.1 /12.6	84.8 /15.2	92.0 /8.0
Waste				
Waste	Unit	Total		
Incineration	ton	7,258		
Landfill	ton	2,587		
Recycling	ton	60,571		
Total	ton	70,416		
Pollutant Emissions				
Pollutant Emissions	Unit	2015	2016	2017
Water quality (Domestic)				
BOD Intensity	kg/KRW 100 million	0.09	0.13	0.12
COD Intensity	kg/KRW 100 million	0.44	0.57	0.42
SS Intensity	kg/KRW 100 million	0.27	0.70	0.36
Air (Domestic)				
No _x	kg/KRW 100 million	0.05	0.05	0.14
So _x	kg/KRW 100 million	0.02	0.02	0.02
Dust	kg/KRW 100 million	0.25	0.20	0.09
Substances that destroy the Ozone Layer				
Emissions in Domestic	kCFC11eq	26	52	52
Emissions in Overseas	kCFC11eq	15	92	0.3
Intensity	kCFC11eq/KRW 100 million	0.001	0.003	0.001

GHG Emissions		Unit	2015	2016	2017
Direct/indirect emissions	Total	tCO ₂ e	646,292	747,926	919,382
	Direct emissions	tCO ₂ e	92,964	99,847	143,581
	Indirect emissions	tCO ₂ e	553,328	648,080	775,801
	Direct emissions Intensity	tCO ₂ e /KRW 100 million	13.04	13.74	16.90
Other emissions	Business trip	tCO ₂ e	2,155	2,184	4,331
	Product transportation	tCO ₂ e	1,395	768	516
Per product	Small-sized Li-ion battery	tCO ₂ e	383,760	427,735	467,140
	Automotive & ESS battery	tCO ₂ e	143,618	178,479	221,133
	Electronic materials	tCO ₂ e	88,630	110,924	197,008
	R&D and others	tCO ₂ e	28,284	30,788	34,101

Energy use and Energy saving		Unit	2015	2016	2017
Total		TJ	11,609	12,876	14,988
Domestic		TJ	7,612	8,033	8,609
Overseas		TJ	3,997	4,843	6,379
Intensity		TJ/KRW 100 million	0.23	0.24	0.28
Energy saving investment and activity/ Saving effect		Unit	2015	2016	2017
Total investment		KRW million	12,360	2,312	3,522
Fuel saving		Case	167	129	71
Power saving		Case	869	513	390
Saving effect	Total	KRW 100 million	148	137	102
	Fuel	KRW 100 million	17	28	11
	Power	KRW 100 million	131	109	91

• The scope of data collection includes all domestic and foreign production corporations, HQ and research centers, except for sales corporations and offices.

(As for production corporations, it includes only those with production performances in 2017)

• Sales used in calculating the amount in KRW are based on consolidated financial statements.

• Hazardous chemicals are indicated based on hazardous chemicals under the Chemicals Control Act in Korea.

• Report on the discharge quantity of air and water pollutants is confined to Korea due to difficulties in calculation on an annual basis as items of pollution levels in some overseas corporations differ from legal measurement cycles.

Social performance

Reinforcing product
safety evaluation
and management

Quality Management Training		Unit	2017		
Quality experts		Persons	74		
Quality Management Training Hour		Hour	1,346		
Quality Management Training	Unit	2015	2016	2017	
Ratio of ISO 9001 auditor qualification	%	15	18	15	
Ratio of quality management qualification (except for ISO 9001)	%	11	29	26	

Customer Satisfaction		Unit	2017	
Small-sized Li-ion Battery	Score	Score	81.9	
	No. of Company	EA	21	
	No. of Customer	Persons	24	
Automotive Battery & ESS	Score	Score	85.9	
	No. of Company	EA	4	
	No. of Customer	Persons	4	
Electronic Materials*	No. of Company	EA	33	
	No. of Customer	Persons	190	

*In the case of the electronic materials business, we do not present the total number of customer satisfaction scores because of the variety of products.

Building up
workplace safety

Safety Environment Investment		Unit	2015	2016	2017
Safety Environment Investment Cost		KRW 100 million	56	231	28

Safety Environment Inspection		Unit	2017	
CEO Inspection		Case	12	
CEO Meeting		Case	4	

Safety Environment Audit		Unit	2017	
Korea		Case	188	
Overseas		Case	168	

Accidents		2017	Note
Employee	No. of accidents(case)	7	Jamming, burn accident, etc.
	Accident injury rate	0.0334	Domestic : 0.0327 Overseas : 0.0339
	Disease injury rate	0	
	No. of deaths	0	
In-house partner company	Score	0	
	No. of Customer	0	

Rate of ownership of national qualification certification		Unit	2015	2016	2017
Industrial engineer or higher		%	65	73	83
Master craftsman or higher		%	11	17	37

Employee accident rate (Based on 300 days)	Employee			In-house partner company			Total		
	Korea	Overseas	Total	Korea	Overseas	Total	Korea	Overseas	Total
Employee's rate of injury	0.136	0.141	0.14	0	0	0	0.12	0.13	0.13
Employee's rate of loss	2.09	12.01	7.67	0	0	0	1.83	11.11	6.93
Accident rate	0.0327	0.0339	0.0334	0	0	0	0.02872	0.03136	0.03017

Sustainable supply
chain support and
management

Purchase cost		Unit	2015	2016	2017
Total purchase cost		KRW 100 million	29,294	34,369	44,302
Raw material purchase		KRW 100 million	24,990	28,590	37,512
Facility purchase		KRW 100 million	2,852	4,402	5,191
MRO purchase (incl. packaging material)		KRW 100 million	775	1,091	1,384
Subcontract cost		KRW 100 million	677	286	215
Local purchase of supplier		%	38.2	40.0	40.6

Sustainable supply
chain support and
management

Shared growth agreement	Unit	2015	2016	2017
Primary partner company	EA	140	112	110
Secondary partner company	EA	174	140	120
Shared growth support activity				
Financial support				
- Direct support (Mold cost credit support)	KRW 100 million	126	156	97.1
- Hybrid support (co-prosperity fund amount)	KRW 100 million	270	270	270
- Special support (training etc)	KRW 100 million	15	12	11.8
Direct/indirect management support				
- Group training (partner company)	Persons (Company)	320(102)	727(86)	759(75)
- Online training (partner company)	Persons (Company)	162(18)	138(9)	146(14)
- Recruiting support	Persons	60	53	65
- Recruiting support	Company	13	6	7
- Innovation guidance	Company	13	10	12
Shared growth support achievement				
Technical support and protection achievement				
- Private-public joint investment development project	Case	3	1	2
- Conditional purchase (Localization task)	Case	1	1	5
- Original trade secret certificate system	Case	-	5	19
- Technical escrow system	Case	15	15	8
New market penetration support achievement				
- Purchase conference	Case	6	7	6
- Product exhibition for partner companies	Case	1	1	1
- Overseas benchmarking support	Case	2	2	2
- Overseas corporation investment authority info session	Case	1	1	-
- Support to participate in foreign technology exhibition	Case	1	2	1
S-partner certification achievement				
	Unit	2015	2016	2017
Korea	Case	66	62	70
Overseas	Case	24	29	20
Total	Case	90	91	90
Unqualified partner company	EA	4	-	-
Major violations by S-Partner				
	Unit	2017		
Violations of child labor/forced labor	Case	0		
Non-compliance of requirements under labor contract	Case	18		
Inadequate contamination prevention and waste management	Case	62		
Unsatisfactory equipment for workplace safety & health	Case	74		

Compliance with
laws and global
anti-corruption
principles

Compliance, Ethics Training	Unit	2015	2016	2017	
Samsung SDI	Corruption Prevention*	Persons	18,028	17,438	9,377
	Ethics*	Persons	6,971	3,645	4,097
Supply Chain	Ethics	Company	72	57	80
* Accumulated person-years					
Penalty					
	Unit	2015	2016	2017	
Punishment from anti-corruption audit	Persons	43	42	20	
Partners terminated the contract for corruption involvement	Company	3	-	-	
Compliance Inspection					
	Unit	2015	2016	2017	
Theme inspection	Case	2	5	5	
Self-inspection on system	Case	1	1	1	
On-site inspection	Case	13	4	4	
Subcontract inspection	Case	6	2	3	
Internal transaction inspection	Case	-	1	3	
Overseas corporation inspection	Case	-	2	1	
Legal review on major meetings	Case	97	31	112	
Total	Case	119	46	129	
Business site corruption risk evaluation					
	Unit	2015	2016	2017	
Total business site No.	EA	30	30	30	
No. of business sites with corruption risk	EA	19	4	2	
Percentage of business site with corruption risk	%	63	13	7	

Employment

Employment		Unit	2015	2016	2017	
Total		Persons	20,938	19,353	22,142	
By Gender	Male	Persons	15,770	14,489	16,211	
	Female	Persons	5,168	4,864	5,931	
By Region	Korea	Persons	11,123	9,200	9,258	
	Asia	Persons	8,887	9,378	11,858	
	Europe	Persons	735	694	895	
	America	Persons	193	81	131	
By Type	Full-Time	Persons	19,621	17,631	20,078	
	Contract	Persons	946	1,326	1,364	
	Dispatched*	Persons	371	396	700	
* The main positions of dispatched in Korea are executive secretaries, administrative support, interpreters, and car drivers, while dispatched in overseas corporations are engaged in manufacturing and packaging inspection tasks.						
New Recruitment		Unit	2015	2016	2017	
By Gender	No. of new recruitment	Male	Persons	2,518	3,201	4,999
		Female	Persons	1,095	1,496	3,007
By Region	No. of new recruitment	Korea	Persons	236	755	684
		Overseas	Persons	3,377	3,942	7,322
Total		Persons	3,613	4,697	8,006	
Turnover Rate		Unit	2015	2016	2017	
Turnover Rate	Total	%	15.7	22.3	27.4	
	Korea	%	3.1	13.6	2.4	
	Overseas	%	29.9	30.2	45.6	
By Region	Asia	%	31.1	31.5	48.1	
	Europe	%	9.4	10	13.9	
	America	%	50.3	24.1	11.5	
By Gender	Male	%	12.7	19.3	23.9	
	Female	%	24.9	30.8	36.6	
By Age	Below 30	%	30.4	31	45.2	
	30 ~ 50	%	5.2	10.5	12	
	50 and above	%	9	67.7	5.4	

Employee competency development and communication

Training		Unit	2015	2016	2017
Training hours per employee - Korea		Hour	91	100	103
Training cost per employee - Korea		KRW	1,172,181	1,097,022	990,632
Training hours per employee - Overseas corporations *		Hour	66	90	86.1
* Excluding newly incorporated corporations and newly acquired corporations in 2015					
Training		Unit	2015	2016	2017
Training cost	Total cost	KRW 100 million	118	82	83
	In-house training cost	KRW 100 million	81	53	55
	Oursourced training cost	KRW 100 million	37	29	28
Participants	Task (by function)	Persons	26,684	21,030	21,097
	Global (language)	Persons	4,405	5,206	6,369
	Leadership	Persons	12,932	17,809	16,294
Sales/Marketing Manpower Training		Unit	2017		
Sales/Marketing Training	Sales/Marketing staff	Persons	316		
	Company-wide percentage of sales/marketing staff	%	4		
	Sales/Marketing Training Cost	KRW Million	12		

Employee
competency
development and
communication

Diversity and Social Equality		Unit	2015	2016	2017
Disabled		Persons	181	137	133
Locally Recruited	Locals in managerial positions*	Persons	117	111	105
	Managerial positions in foreign operation sites	Persons	222	195	180
	Percentage of locals in managerial positions	%	52.7	56.9	58.3
Female Employees	Female managers (manager or higher)*	Persons	316	274	303
	Managers in total (manager or higher)*	Persons	4,641	3,570	3,715
	Percentage of females in managerial positions	%	6.8	7.7	8.2

* Managerial positions: Leader-level staff in charge of official positions such as group leader / team leader

Welfare and benefits		Unit	2015	2016	2017
Welfare and benefits expenditure		KRW million	248,641	282,779	255,013
Parental Leave	Return to work rate*	%	74.4	81.9	82.1
	(Ratio of employees who returned after parental leave the previous year)				
Employee Grievance Mechanism	Retention rate*	%	71.9	70.9	80.7
	(Ratio of employees retained 12 months or longer after returning to work from parental leave the previous year)				
Employee Grievance Mechanism	Percentage of grievances resolved *	%	97	100	95.2
	Number of grievances filed *	Case	451	414	441
SCI evaluation score*		Score	60.8	70.1	70.3

Remuneration and Others		Unit	2015	2016	2017
Remuneration		KRW million	843,905	970,241	759,356
Severance pay		KRW million	71,467	428,381	65,489
Gender-based base remuneration ratio			1 : 1	1 : 1	1 : 1
Representatives of Labor-Management Council*		Persons	55	55	52
Culture Leader*		Persons	295	257	252

* Based on Korean

Community
engagement and
development

Social Contribution Investment		Unit	2015	2016	2017
Social contribution expenditure		KRW 10,000	675,268	491,547	401,719
Social welfare		%	47.5	37.0	40.4
Academic education		%	40.9	54.9	45.6
Medical health		%	9.5	1.0	3.1
Sports promotion		%	1.2	1.9	2.1
Environmental conservation		%	0.5	2.8	6.7
Culture & Art		%	0.4	2.3	2.2
Matching grant		KRW 100 million	24.8	19.8	18.5

Employee Participation Performance		Unit	2015	2016	2017
Social Contribution Participation Rate		%	97.1	98.6	97.0
Domestic Volunteering Activity Hours Per Person		Hour	7.4	11.7	13.7

Major Social contribution		Unit	2015	2016	2017
Donated Eyesight Recovery Project (Accumulated)		Persons	212,412	218,728	224,399
Donated Eyesight Recovery Project (Treatment)		Persons	6,223	6,243	5,615
Donated Eyesight Recovery Project (Operation)		Persons	65	73	56
Green Planet Environment School (Accumulated)		Persons	3,228	8,618	17,095
Green Planet Environment School Beneficiary		Persons	1,918	5,390	8,477
Green Planet Environment School Satisfaction		Score	-	87	91.9
Talent Nurturing Company Scholarship Recipient (Accumulated)		Persons	-	94	104

• As for all other indices except for some indicators, the scope of data collection contains performances attained by all domestic and foreign corporations and research centers including HQ.

• Sales used in calculating the amount in KRW are based on consolidated financial statements.

• Report on investments in social contribution activities and performances is confined to Korea due to difficulties in calculation on an annual basis as investments in social contribution activities by overseas corporations are differently defined and measured.

GRI CONTENT INDEX

Topic	GRI Standard	Disclosure		Pages/References
		No.	Title	
General disclosures	GRI 102 : General disclosures 2016	102-1	Name of the organization	10
		102-2	Activities, brands, products, and services	14~17
		102-3	Location of headquarters	11
		102-4	Location of operations	10
		102-5	Ownership and legal form	11, 18~19
		102-6	Markets served	10
		102-7	Scale of the organization	10~11, 79~81, 86
		102-8	Information on employees and other workers	86
		102-9	Supply chain	12~13, 60~67, 84~85
		102-10	Significant changes to the organization and its supply chain	N/A
		102-11	Precautionary Principle or approach	21
		102-12	External initiatives	28~29, 65~67
		Strategy		101-13
102-14	Statement from senior decision-maker			6~7
Ethics and integrity		102-15	Key impacts, risks, and opportunities	21
		102-16	Values, principles, standards, and norms of behavior	22, 46
Governance		102-17	Mechanisms for advice and concerns about ethics	22
		102-18	Governance structure	18~19
Stakeholder Engagement		102-40	List of stakeholder groups	24
		102-41	Collective bargaining agreements	73, 87
		102-42	Identifying and selecting stakeholders	24
		102-43	Approach to stakeholder engagement	24
		102-44	Key topics and concerns raised	24
Reporting practice		102-45	Entities included in the consolidated financial statements	Annual Report 3~4p
		102-46	Defining report content and topic Boundaries	24~25
		102-47	List of material topics	25
		102-48	Restatements of information	82, 84
		102-49	Changes in reporting	82, 84
		102-50	Reporting period	4
		102-51	Date of most recent report	4
		102-52	Reporting cycle	4
		102-53	Contact point for questions regarding the report	4
		102-54	Claims of reporting in accordance with the GRI Standards	4
		102-55	GRI content index	88~89
Management Approach	GRI 103 : Management Approach 2016	103-1, 2, 3	Management Approach	24~25
		Economic Performance	GRI 103 : Management Approach 2016	103-1, 2, 3
Market Presence	GRI 201 : Economic Performance 2016			201-1
		Indirect Economic Impacts	GRI 103 : Management Approach 2016	103-1, 2, 3
Procurement Practices	GRI 202 : Market Presence 2016			202-2
		GRI 203 : Indirect Economic Impacts 2016	203-1	Infrastructure investments and services supported
GRI 103 : Management Approach 2016	203-2		Significant indirect economic impacts	74~77
	GRI 204 : Procurement Practices 2016	103-1, 2, 3	Management Approach	60~61
		204-1	Proportion of spending on local suppliers	84

Topic	GRI Standard	Disclosure		Pages/References
		No.	Title	
Anti-corruption	GRI 205 : Anti-corruption 2016	205-1	Operations assessed for risks related to corruption	85
		205-3	Confirmed incidents of corruption and actions taken	85
Anti-competitive Behavior	GRI 103 : Management Approach 2016	103-1, 2, 3	Management Approach	22
	GRI 206 : Anti-competitive Behavior 2016	206-1	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	22~23
Energy	GRI 302 : Energy 2016	302-1	Energy consumption within the organization	83, 90
		302-3	Energy intensity	83
		302-4	Reduction of energy consumption	83
Emissions	GRI 103 : Management Approach 2016	103-1, 2, 3	Management Approach	70~71
	GRI 305 : Emissions 2016	305-1	Direct (Scope 1) GHG emissions	83, 90
		305-2	Energy indirect (Scope 2) GHG emissions	83, 90
		305-3	Other indirect (Scope 3) GHG emissions	83, 90
		305-4	GHG emissions intensity	83
		305-6	Emissions of ozone-depleting substances (ODS)	82
305-7	Nitrogen oxides (NOX), sulfur oxides (SOX), and other significant air emissions	82		
Effluents and Waste	GRI 103 : Management Approach 2016	103-1, 2, 3	Management Approach	70~71
	GRI 306 : Effluents and Waste 2016	306-2	Waste by type and disposal method	82
		306-3	Significant spills	N/A
Supplier Environmental assessment	GRI 103 : Management Approach 2016	103-1, 2, 3	Management Approach	60~61
	GRI 308 : Supplier Environmental assessment 2016	308-1	New suppliers that were screened using environmental criteria	62, 85
		308-2	Negative environmental impacts in the supply chain and actions taken	62~67, 85
Employment	GRI 103 : Management Approach 2016	103-1, 2, 3	Management Approach	52~53
	GRI 401 : Employment 2016	401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	55
Occupational Health and Safety	GRI 103 : Management Approach 2016	103-1, 2, 3	Management Approach	48~49
	GRI 403 : Occupational Health and Safety 2016	403-1	Workers representation in formal joint management-worker health and safety committees	50, 84
		403-2	Types of injury and rates of injury, occupational diseases, lost days, and absenteeism, and number of work-related fatalities	84
Training and Education	GRI 103 : Management Approach 2016	103-1, 2, 3	Management Approach	52~53
	GRI 404 : Training and Education 2016	404-1	Average hours of training per year per employee	86
		404-2	Programs for upgrading employee skills and transition assistance programs	55, 86
Diversity and Equal Opportunity	GRI 103 : Management Approach 2016	103-1, 2, 3	Management Approach	72~73
	GRI 405 : Diversity and Equal Opportunity 2016	405-2	Ratio of basic salary and remuneration of women to men	87
Non-Discrimination	GRI 103 : Management Approach 2016	103-1, 2, 3	Management Approach	72~73
	GRI 406 : Non-Discrimination 2016	406-1	Incidents of discrimination and corrective actions taken	72~73
Human Rights Assessment	GRI 412 : Human Rights Assessment 2016	412-1	Operations that have been subject to human rights reviews or impact assessments	72~73
Supplier Social Assessment	GRI 103 : Management Approach 2016	103-1, 2, 3	Management Approach	60~61
	GRI 414 : Supplier Social Assessment 2016	414-1	New suppliers that were screened using social criteria	62, 85
		414-2	Negative social impacts in the supply chain and actions taken	62~67, 85
Customer Health and Safety	GRI 103 : Management Approach 2016	103-1, 2, 3	Management Approach	44~45
	GRI 416 : Customer Health and Safety 2016	416-1	Assessment of the health and safety impacts of product and service categories	46~47
		416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	46~47

GHG VERIFICATION STATEMENT



Third Party's Verification Statement

■ Introduction

Korean Foundation for Quality (hereinafter 'KFQ') has been engaged by Samsung SDI Co., Ltd.(hereinafter the 'Company') to independently verify its 2017 Greenhouse Gas Emission Report of domestic corporations and 8 overseas subsidiaries. It is the responsibility of the Company to compile the Greenhouse Gas Emission Report according to the 'Greenhouse Gas and Energy Target Management Scheme (Notification No. 2016-255 of Ministry of Environment)', 'Guidelines for GHG emission reporting and certification of GHG emission trading scheme (Notification No. 2017-12 of Ministry of Strategy and Finance)', and 'ISO 14064-1:2006', and KFQ has responsibility to conduct verification based on the ISO 14064-3 to provide verification opinion on compliance of the Report against verification criteria.

■ Verification Scope

In this verification, domestic corporations and 8 overseas subsidiaries under operational control of Samsung SDI Co., Ltd., and reported emission in including Scope 1(Direct) and Scope 2(Indirect) emission. Scope 3(Indirect-business trip and logistics) is also considered in total Greenhouse Gas Emission.

■ Verification Opinion

Through the verification process according to the ISO 14064-3, KFQ could obtain reasonable basis to express following conclusion on the Greenhouse Gas Emission Report.

- 1) 2017 Samsung SDI Co., Ltd., Greenhouse Gas Emission Report was prepared against "Greenhouse gas and energy target management scheme", 'Guidelines for emission reporting and certification of greenhouse gas emission trading scheme', and 'ISO 14064-1:2006':
- 2) As a result of materiality assessment on 2017 domestic Greenhouse Gas Emission(Scope 1 and Scope 2), material discrepancy is less than the criteria of 5.0% for the organization who emits less than 500,000 tCO_{2eq}/yr in accordance with the requirements of the 'Guidelines for GHG emission reporting and certification of GHG emission trading scheme':
- 3) For the 8 overseas subsidiaries, material assessment was conducted according to the document review result and it shows that material discrepancy is less than 5.0%.
- 4) Among reported Greenhouse Gas Emission purchased electricity and LNG consumption take most of total emission. Activity data of these emission sources were checked through the objective evidence provided by supplier therefore KFQ could confirm that these activity data is valid itself.
For the overseas subsidiaries, national net calorific value and electricity emission factor were preferentially used but net calorific value in 'Greenhouse Gas and Energy Target Management Scheme' was used in case of nonexistence of it.
For the Scope 3 of the domestic corporation, its emission was calculated according to the Company methodology considering travel distance for business trip only by objective evidence. And for the factors considered in emission calculation, the latest factor was used thus consistency and correctness is substantiated in 2017 Greenhouse Gas Emission Report against Samsung SDI Co., Ltd., internal guideline.
- 5) Except unconsidered emission source in the 'Samsung SDI Co., Ltd., Greenhouse Gas Inventory Guideline', material error, omission or insignificant issues was not founded in 2017 Samsung SDI Co., Ltd., Greenhouse Gas Emission Report.

(Unit: ton CO₂ eq)

Report year		2017.1.1~2017.12.31	
Verification Scope		Domestic	Overseas
GHG Emission	Scope 1, 2	438,399	480,983
	Scope 3: Business trip and logistics for the domestic corporation	4,847	-

[2017 Samsung SDI Co., Ltd., Greenhouse Gas Emission]

April 18th 2018

Daehyun Nam

Daehyun Nam

President & CEO Korean Foundation for Quality

THIRD-PARTY VERIFICATION STATEMENT

LRQA Independent Assurance Statement



Relating to Samsung SDI Co., Ltd.'s Sustainability Report for the 2017 calendar year

This Assurance Statement has been prepared for Samsung SDI Co., Ltd. in accordance with our contract but is intended for the readers of this Report.

Terms of engagement

Lloyd's Register Quality Assurance (LRQA) was commissioned by Samsung SDI Co., Ltd. (Samsung SDI) to provide independent assurance on its 'Samsung SDI Sustainability Report 2017' ("the report") against the assurance criteria below to a moderate level of assurance using AA1000AS (2008), where the scope was a Type 2 engagement.

Our assurance engagement covered Samsung SDI's operations and activities in Korea and overseas specifically the following requirements:

- Evaluating adherence to AA1000 AccountAbility Principles of Inclusivity, Materiality and Responsiveness
- Confirming that the report is in accordance with:
 - GRI Standards: Core option
- Evaluating the accuracy and reliability of data and information for only the selected indicators listed below:
 - GRI 200 (Economic): 201-1, 202-2, 203-1, 203-2, 204-1, 205-1, 205-3, 206-1
 - GRI 300 (Environmental): 302-1, 302-3, 302-4, 305-1, 305-2, 305-3, 305-4, 305-6, 305-7, 306-2, 306-3, 308-1, 308-2,
 - GRI 400 (Social): 401-2, 403-1, 403-2, 404-1, 404-2, 405-2, 406-1, 412-1, 414-1, 414-2, 416-1, 416-2

Our assurance engagement excluded the data and information of Samsung SDI's suppliers, contractors and any third-parties mentioned in the report.

LRQA's responsibility is only to Samsung SDI. LRQA disclaims any liability or responsibility to others as explained in the end footnote. Samsung SDI's responsibility is for collecting, aggregating, analysing and presenting all the data and information within the report and for maintaining effective internal controls over the systems from which the report is derived. Ultimately, the report has been approved by, and remains the responsibility of Samsung SDI.

LRQA's Opinion

Based on LRQA's approach nothing has come to our attention that would cause us to believe that Samsung SDI has not, in all material respects:

- Met the requirements above
- Disclosed accurate and reliable performance data and information as all errors or omissions identified during the assurance engagement were corrected
- Covered all the issues that are important to the stakeholders and readers of this report.

The opinion expressed is formed on the basis of a moderate level of assurance and at the materiality of the professional judgement of the verifier.

Note: The extent of evidence-gathering for a moderate assurance engagement is less than for a high assurance engagement. Moderate assurance engagements focus on aggregated data rather than physically checking source data at sites. Consequently, the level of assurance obtained in a moderate assurance engagement

LRQA's approach

LRQA's assurance engagements are carried out in accordance with our verification procedure. The following tasks though were undertaken as part of the evidence gathering process for this assurance engagement:

- Assessing Samsung SDI's approach to stakeholder engagement to confirm that issues raised by stakeholders were captured correctly. We did this through reviewing documents and associated records.
- Reviewing Samsung SDI's process for identifying and determining material issues to confirm that the right issues were included in their Report. We did this by benchmarking reports written by Samsung SDI and its peers to ensure that sector specific issues were included for comparability. We also tested the filters used in determining material issues to evaluate whether Samsung SDI makes informed business decisions that may create opportunities that contribute towards sustainable development.
- Auditing Samsung SDI's data management systems to confirm that there were no significant errors, omissions or mis-statements in the report. We did this by reviewing the effectiveness of data handling procedures, instructions and systems, including those for internal verification. We also spoke with those key people responsible for compiling the data and drafting the report.

- Reviewing supporting evidence made available by Samsung SDI at their head office in Gyeonggi-do and Cheonan production site in Chungcheongnam-do, Korea.
- Checking the report boundary covers all sites in Korea and overseas presented in the overview of the report.
- Checking that the GRI Content Index allows stakeholders to access sustainability indicators.

Observations

Further observations and findings, made during the assurance engagement, are:

- Stakeholder inclusivity:
We are not aware of any key stakeholder groups that have been excluded from Samsung SDI's stakeholder engagement process.
- Materiality:
We are not aware of any material issues concerning Samsung SDI's sustainability performance that have been excluded from the report. It should be noted that Samsung SDI has established extensive criteria for determining which issue/aspect is material and that these criteria are not biased to the company's management. However, Samsung SDI should improve the materiality process by evaluating which indicators for the material topics are appropriate for articulating its impacts on sustainability.
- Responsiveness:
Samsung SDI has reported its sustainability performance in Korea and overseas in the report. Some data sets and information do not include some or all of the overseas operations. As a global company, Samsung SDI should take more active measures to ensure that its sustainability management approach and performance (e.g. environmental pollutants, hazardous chemicals management, etc.) at its overseas sites meet its own sustainability management policies and objectives, and social expectations. In the future report, Samsung SDI should enhance the reporting principle of completeness in relation to overseas operations by reporting data and information that were not reported in the report for the 2017 calendar year.
- Reliability:
Samsung SDI has reliable data management systems for the indicators in the report.

LRQA's standards, competence and independence

LRQA implements and maintains a comprehensive management system that meets accreditation requirements for ISO/IEC 17021 Conformity assessment - Requirements for bodies providing audit and certification of management systems that are at least as demanding as the requirements of the International Standard on Quality Control 1 and comply with the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants.

LRQA ensures the selection of appropriately qualified individuals based on their qualifications, training and experience. The outcome of all verification and certification assessments is then internally reviewed by senior management to ensure that the approach applied is rigorous and transparent.

LRQA is Samsung SDI's certification body for ISO 9001 and ISO/TS 16949. We also provide Samsung SDI with a range of training services related to management systems. The verification and certification assessments, together with the training, are the only work undertaken by LRQA for Samsung SDI and as such does not compromise our independence or impartiality.

Tae-Kyoung Kim
LRQA Lead Verifier
On behalf of Lloyd's Register Quality Assurance Limited
17th Floor, Sinsong Building, 67 Yeouinaru-ro, Yeongdeungpo-gu, Seoul, Korea

Dated: 5th June 2018



LRQA reference: SE06051368



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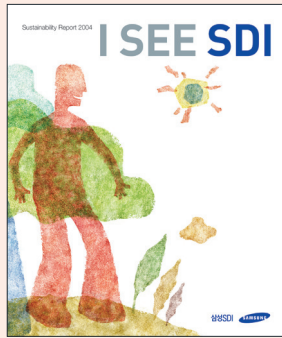
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SUSTAINABILITY REPORT IN PREVIOUS YEARS



2003



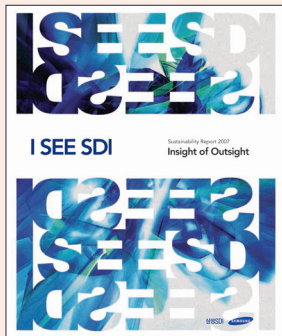
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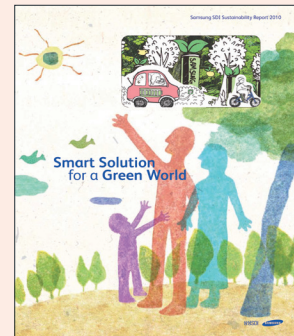
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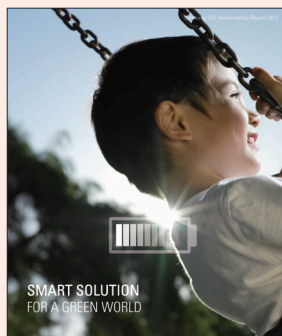
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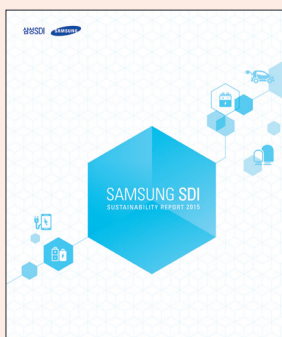
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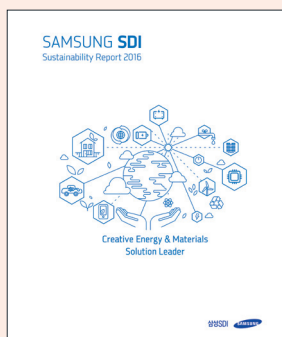
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2014



2015



2016