2021 ESG Performance Data



ESG Key Indicators

Key Indicator Development

Sustainability is one of the core values in achieving LG Chem's vision, "We connect science to life for a better future." LG Chem has selected key ESG indicators to strengthen company-wide ESG implementation, and is actively introducing them into corporate management. Through the analysis of indicators from ESG reporting frameworks, ESG rating agencies, and peer industry, we consolidated 20 indicators that are most material to corporate sustainability. Based on the concept of "stakeholder capitalism" proposed by the WEF, our key ESG indicators are classified into four categories: Environment, Social, Governance (ESG), and Growth. Furthermore, LG Chem seeks to align ESG performance disclosure to global sustainability disclosure standards by keeping a list of indicators that may arise as potential issues in the global sustainability arena. We will continue to practice Sustainability for the environment, society, and customers sincerely, and promote transparent communication of its progress.

ESG Performance Disclosure

To keep pace with the rapidly evolving global regulatory landscape of ESG disclosures, LG Chem strives to disclose ESG Performance Data with consistency and integrity. In this regard, we comply with the general principles of ESG disclosure (Accuracy, Clarity, Comparability, Balance, Verifiability, and Timeliness) set out in the ESG Information Disclosure Guidance proposed by Korea Exchange. We disclose our ESG Performance Data by adopting the "Reporting on enterprise value - illustrated with a prototype climate-related financial disclosure standard" methodology developed by five leading sustainability and integrated reporting organizations—Carbon Disclosure Project (CDP), Climate Disclosure Standards Board, Global Reporting Initiative (GRI), International Integrated Reporting Council (IIRC), and Sustainability Accounting Standards Board (SASB)—based on the Task Force on Climate-related Financial Disclosures (TCFD) recommendations.

Reporting Scope and Boundaries

This report covers LG Chem's performance data in FY 2021 collected from headquarters and sales offices, 35 domestic and global production sites, and R&D campuses. Data of LG Energy Solution and FarmHannong have been excluded from the report since 2019. *Financial statements have been written in accordance with the K-IFRS Consolidated Financial Statement Standards. Statements with different reporting scopes have been expressly stated otherwise.

Metrics and Targets

Summary and target for each metric reflects the definition of ESG indicator as described by the CDP, GRI, SASB, TCFD, and S&P Global Corporate Sustainability Assessment.

_	Key Indicator	Summary a
E	Greenhouse Gas Emissions Reduction	Chemical company's greenhouse gas (GHG) emissions are c from sources that are controlled or owned by an organization purchase of electricity, steam, heat, or cooling (Scope 2); and controlled by the reporting organization (Scope 3). We plan t preemptive identification of risks and opportunities associate
	Energy Consumption Reduction	Total energy consumption includes both direct energy (energy (energy purchased or acquired), and renewable energy inclu renewable energy. We will strive to actively reduce energy c manufacturing processes and increasing the proportion of re
	Water Withdrawal, Consumption and Discharge	As water scarcity aggravates, the importance of water resour manage the amount of withdrawal, consumption, and disch material processing during the manufacturing process. Furth from water-stressed areas.
	Water Pollutants Reduction	In order to return the water used during the manufacturing p permissible limits of water pollutants discharge and tightly n discharges of water pollutants into aquatic ecosystems by m total nitrogen (TN), total phosphorus (TP), and suspended so discharge, and conducting regular inspections on wastewate
	Air Pollutants Reduction	Air pollutants generated through fuel combustion during the environment, hence we strictly comply with permissible limi quality standards. We intend to lessen the emissions of air p NOx, SOx, hazardous air pollutants (HAPs), and volatile orga impacts of emissions; and conducting regular inspections or
	Waste Discharge and Recycling	Wastes generated from business sites include general (nonh addition to disposing wastes through legitimate means, we to reduce waste generation and increase the recycling rate. incineration with heat recovery, incineration, and landfill. We strive to maximize the amount of waste recycled.
	Product Responsibility and Chemical Stewardship	Since chemical substances may pose risks during use, stora from hazardous chemical substances, and maintain a databa continuing our efforts to reduce the use of hazardous substa actively carry out LCAs to analyze our products' environmen
	Reused and Recycled Materials	In accordance with the obligation to reduce and recycle was recycled raw materials processed by mechanical and chemic reused and recycled materials. We plan to actively expand the increase the production volume of products based on them.
S	Employee and Process EH&S	As chemical manufacturing is exposed to heavy equipment, high pressure, employee and process safety is of paramount management not only to employees but also to include emp policy and conduct regular facility inspections to prevent saf transparently disclose the number of EH&S incidents occurre
	Employee Diversity, Equity and Inclusion	We can promote work efficiency and improve job performan diverse backgrounds and perspectives. We identify the diver age, and job groups, as well as the ratio of management and monitor as well the equity of remuneration.
	Talent Attraction, Training and Employee Engagement	To attract and develop talents of diverse backgrounds, we m gender, and provide leadership and job training in addition to the development and implementation of various programs in enhance employee engagement, and thus advance our com
	Human and Labor Rights	We conduct risk assessments for labor and human rights, su voluntary employment and labor, freedom of association and diversity, compliance with working hours, and fair remunera employee awareness on the topic.
	Supply Chain Sustainability	Issues arising in the supply chain, including but not limited t regarded as shared responsibility of all companies in the sup become a competitive advantage for companies. We plan to with suppliers through ESG assessments and on-site inspect
	Community Engagement	We engage with local communities through employment opp volunteering and partnership programs. We intend to reinford active interaction with the local community, and continue to
G	Corporate Governance	A board of directors with independence, expertise, and diver governance. Since the BOD is responsible for corporate polic governance system and internalize a BOD-centered managed
	Corporate Behavior and Ethics	We conduct regular inspections on corruption and bribery, a and/or legal procedures. Furthermore, we provide training on prevent recurrence. We plan to devise policies and strategies extend them to all business sites.
	Cybersecurity and Information Security	We conduct risk assessments on cybersecurity and informat information security training. Information leakage occurs in as well as customer data. In this regard, we plan to establish use, and manage information relevant to corporate processe
	Public Policy and Regulation	Changes in public policy and regulation greatly influence co measures to the management on a regular basis. We contin support and promoting government proposals.
G	Sustainable Solutions	We established Sustainable Solutions as internal standards environmental values in terms of sustainability. We not only and recycled materials, but also the social and environment water consumption during manufacturing. We will continue competitiveness.
	Customer Satisfaction	We reflect a customer-centered approach as a top priority a improvement tasks through a customer satisfaction survey. by monitoring customer pain points, and to meet customer customers.

E Environment S Society G Government G Growth

and Target

classified into three scopes: direct emissions that occur on (Scope 1); indirect emissions associated with the d other indirect emissions from assets not owned or to manage and reduce Scope 1, 2, and 3 emissions through ed with GHG emissions and setting reduction target.

gy consumption during operation) and indirect energy udes self-generated renewable energy and purchased consumption by improving energy efficiency in all renewable energy.

urce management continues to rise. In this regard, we harge of water used in cooling, steam generation, and raw hermore, we intend to identify and minimize withdrawal

process to the aquatic ecosystem, we strictly comply with monitor effluent water quality. We intend to minimize the leasuring the discharges of chemical oxygen demand (COD), olids (SS); tracing the cause and the related impacts of ter discharge facilities.

e manufacturing process can impact our health and its of air pollutants emissions and tightly monitor air pollutants into the air by measuring the emissions of dust, anic compounds (VOCs); tracing the cause and the related n emission facilities.

hazardous) waste and designated (hazardous) waste. In manage wastes based on different methods of treatment Waste treatment is classified into four types: recycling, e analyze wastes directed to incineration and landfills, and

age, and transportation, we evaluate risks that may arise hase of products containing hazardous substances. We are ances or replace them with less hazardous chemicals. We tal impacts and identify areas for improvement.

ste, we continuously monitor the input of reused and ical recycling, as well as the volume of products based on he input of reused and recycled raw materials, and thereby

, hazardous substances, and high temperatures and t importance. We have expanded the scope of EH&S ployees of our in-house subcontractors. We operate EH&S fety incidents. In the event of unforeseen incidents, we red

nce through fair treatment and inclusion of employees with rsity of domestic and global employees by gender, region, d executive positions in consideration of diversity. We

nonitor the employee hires and turnover by age and to statutory training. Going forward, we plan to expand in an effort to secure and nurture human resources and npetitive edge.

uch as prohibition of child labor and protection of minors, d collective bargaining, non-discrimination and respect for ation. We plan to expand training on labor rights to raise

to labor rights, resource depletion and anti-corruption, are oply chain, hence identifying and improving such issues has o reinforce our supply chain sustainability and partnership tions.

portunities and regional development, as well as employee ce our environmental and safety management, pursue uphold our responsibilities as a community member.

rsity is essential to ensure effective and active corporate icies and overall performance, we plan to establish a global ement system through empowerment and capacity building.

and handle identified cases through disciplinary actions on corporate ethics and fair trade to raise awareness and es for corporate and employee behavior and ethics, and

tion security, and raise employee awareness through various forms, such as leakage of core assets of a company h a company-wide management system to securely collect, es.

rporate business, hence we report related issues and nue to seek public-private partnerships by identifying policy

s of classifying products with distinguished social and ly consider product characteristics such as bio materials ntal characteristics throughout the value chain, such as le to expand R&D investment and achieve sustainability

across all our business processes, and identify . We intend to foster a customer/market-oriented culture r expectations through active communication with

ESG Performance Data Environment

Greenhouse Gas Emissions	Unit	Scope	2019	2020	2021
		Global	9,510,011	9,532,948	10,339,725
GHG Emissions (Scope 1 + Scope 2)	tCO2e	Korea	8,140,033	8,071,712	8,841,025
		excl. Korea	1,369,978	1,461,236	1,498,700
GHG Emissions Intenstiy (Scope 1 + Scope 2)	tCO2e/KRW 1M	Global	0.5187	0.5536	0.4296
		Global	5,405,608	5,395,112	5,856,588
Scope 1 Emissions	tCO2e	Korea	5,260,041	5,199,836	5,707,208
		excl. Korea	145,567	195,276	149,380
Scope 1 Emissions Intensity	tCO2e/KRW 1M	Global	0.2948	0.3133	0.2433
		Global	4,104,403	4,137,836	4,483,137
Scope 2 Emissions	tCO2e	Korea	2,879,992	2,871,876	3,133,817
		excl. Korea	1,224,411	1,265,960	1,349,320
Scope 2 Emissions Intensity	tCO2e/KRW 1M	Global	0.2238	0.2403	0.1863
Scope 3 Emissions ¹⁾			1,081,852	1,209,828	1,320,247
- Purchased Goods & Services			494,538	517,985	571,164
- Capital Goods			54	14	56
- Fuel- and Energy-related Activities			122,922	121,904	175,732
- Upstream Transportation	+0020	Karaa	151,406	318,438	197,919
- Waste	tCOZe	когеа	19,113	19,679	28,925
- Business Travel			2,767	2,265	970
- Employee Commuting			7,987	4,737	7,488
- Investments			276,686	219,190	322,438
- Other Upstream]		6,379	5,616	15,555

 Scope 3 emissions have been calculated for operations within Korea, on relevant categories of GHG Protocol's Corporate Value Chain (Scope 3) Accounting and Reporting Standard (2011)
 * Scope 1 and Scope 2 emissions in Korea in 2020 have been revised in accordance with the verification outcomes of the Ministry of Environment

Scope 1 and Scope 2 emissions in Korea in 2020 nave been revised in accordance with the verification outcomes of the Ministry of Environmet
 * Scope 1 and Scope 2 emissions in Korea in 2021 have been reported in accordance with the GHG Statements submitted to the Ministry of Environment; the data is subject to change depending on the varification outcomes.

Environment; the data is subject to change depending on the verification outcomes * Emissions calculations for some Scope 3 categories have been adjusted based on undated methodological

*	Emissions ca	alculation	s for some	Scope 3	3 categories	have	been a	djusted	based	on u	odated	metho	dolc	уgy

Energy Consumption	Unit	Scope	2019	2020	2021
		Global	168,090	162,234	178,426
Total Energy Consumption	TJ	Korea	159,327	152,411	169,105
		excl. Korea	8,763	9,823	9,321
Total Energy Consumption Intensity	TJ/KRW 1M	Global	0.0092	0.0094	0.0074
		Global	99,496	98,532	109,049
Direct Energy Consumption	TJ	Korea	96,964	95,049	106,349
		excl. Korea	2,532	3,483	2,700
Direct Energy Consumption Intensity	TJ/KRW 1M	Global	0.0054	0.0057	0.0045
		Global	68,594	63,702	69,377
Indirect Energy Consumption	TJ	Korea	62,363	57,362	62,756
		excl. Korea	6,231	6,340	6,621
Indirect Energy Use Intensity	TJ/KRW 1M	Global	0.0037	0.0037	0.0029
Total Renewable Electricity Consumption	MWh	Korea	1,426	1,760	344,528

* Direct and indirect energy consumption in Korea in 2020 have been revised in accordance with the verification outcomes of the Ministry of Environment * Indirect energy consumption overseas in 2019 and 2020 have been revised to reflect updated data from production sites

Matan			l .		
vvater	Unit	Scope	2019	2020	2021
Water Withdrawal			69,559,329	61,207,704	66,881,345
- Groundwater			548,051	501,077	431,327
- Surface water			609,695	-	-
- Industrial Water	m ³		61,379,578	52,917,433	59,128,641
- Municipal Water			6,947,778	7,773,729	7,307,267
- Rainwater			12,857	8,714	6,467
- Other			61,370	6,751	7,643
Water Withdrawal Intensity	m ³ /KRW 1M	Giobai	3.7936	3.3381	3.6475
Water Consumption	m ³		50,070,305	41,252,742	45,309,082
Water Consumption Intensity	m ³ /KRW 1M		2.7307	2.2498	2.4710
Water Discharge	m ³		19,489,024	19,954,962	21,572,263
Water Discharge Intensity	m ³ /KRW 1M		1.0629	1.0883	1.1765
Wastewater Recycling	m ³	1	1,770,024	1,869,328	2,135,019
Wastewater Recycling Rate	%		8.33	8.57	9.01

* Data of 2019 and 2020 have been revised due to changes in data coverage (includes data from water and wastewater not subject to legal reporting)

Mater Dellesterate					
vvater Pollutants	Unit	Scope	2019	2020	2021
COD	Metric tons		883	738	734
COD Intensity	kg/KRW 1M]	0.0482	0.0429	0.0305
TN	Metric tons]	316	276	308
TN Intensity	kg/KRW 1M		0.0172	0.0160	0.0128
ТР	Metric tons	Global	57	41	49
TP Intensity	kg/KRW 1M	1	0.0031	0.0024	0.0020
SS	Metric tons]	344	366	301
SS Intensity	kg/KRW 1M		0.0188	0.0213	0.0125

* Data of 2019 and 2020 have been revised due to changes in data coverage (includes data from water and wastewater not subject to legal reporting)

Air Pollutants Unit Scope 2019 2020 2021 Dust Metric tons Metric tons 164 123 168 Dust Intensity kg/KRW 1M 0.0089 0.0071 0.0070 NOx Metric tons 998 876 4,144 NOx Intensity kg/KRW 1M 0.0544 0.0509 0.1722 SOx Metric tons 112 1181 1181 SOx Intensity kg/KRW 1M 0.0544 0.0082 0.0075 HAPs Metric tons 112 1142 1181 VOCs Metric tons 10.0054 0.0082 0.0075 HAPs Intensity kg/KRW 1M 0.0054 0.0138 0.0114 VOCs Intensity kg/KRW 1M 0.0054 0.0138 0.0114 VOCs Intensity kg/KRW 1M 0.02 0.0337 0.0397	Ata Dellastente			-		
Dust Metric tons Kg/KRW 1M 164 123 168 Dust Intensity Kg/KRW 1M 0.0089 0.0071 0.0070 NOx Metric tons 998 876 4,144 SOx Metric tons 0.0544 0.0509 0.1722 SOx Intensity Kg/KRW 1M 0.0094 0.0082 0.0075 HAPs Metric tons 172 142 181 VOCs Metric tons 0.0054 0.0082 0.0075 VOCs Intensity Kg/KRW 1M 0.0054 0.0138 0.0114 VOCs Intensity Kg/KRW 1M 0.0054 0.0138 0.0114	Air Pollutants	Unit	Scope	2019	2020	2021
Dust Intensity kg/KRW 1M NOx Metric tons NOx Intensity kg/KRW 1M SOx Metric tons SOx Intensity kg/KRW 1M SOx Intensity kg/KRW 1M HAPs Metric tons HAPs Intensity kg/KRW 1M VOCs Intensity kg/KRW 1M	Dust	Metric tons		164	123	168
NOx Metric tons %g/KRW 1M 998 876 4,144 NOx Intensity kg/KRW 1M 0.0544 0.0509 0.1722 SOx Metric tons 172 142 181 SOx Intensity kg/KRW 1M 0.0094 0.0082 0.0075 HAPs Metric tons Metric tons 99 238 274 VOCs Metric tons VOCs Intensity Metric tons 278 580 956 VOCs Intensity kg/KRW 1M 0.0054 0.0138 0.0114	Dust Intensity	kg/KRW 1M		0.0089	0.0071	0.0070
NOx Intensity kg/KRW 1M SOx Metric tons SOx Intensity kg/KRW 1M HAPs Metric tons HAPs Intensity kg/KRW 1M VOCs Metric tons VOCs Intensity kg/KRW 1M VOCs Intensity kg/KRW 1M VOCs Intensity kg/KRW 1M	NOx	Metric tons]	998	876	4,144
SOx Metric tons Global 172 142 181 SOx Intensity kg/KRW 1M 0.0094 0.0082 0.0075 HAPs Metric tons 99 238 274 HAPs Intensity kg/KRW 1M 0.0054 0.0138 0.0114 VOCs Metric tons 278 580 956 VOCs Intensity kg/KRW 1M 0.02 0.0337 0.0397	NOx Intensity	kg/KRW 1M]	0.0544	0.0509	0.1722
SOx Intensity kg/KRW 1M 0.0034 0.0082 0.0075 HAPs Metric tons 99 238 274 HAPs Intensity kg/KRW 1M 0.0054 0.0138 0.0114 VOCs Metric tons 278 580 956 VOCs Intensity kg/KRW 1M 0.02 0.0337 0.0397	SOx	Metric tons	Clabal	172	142	181
HAPs Metric tons 99 238 274 HAPs Intensity kg/KRW 1M 0.0054 0.0138 0.0114 VOCs Metric tons 278 580 956 VOCs Intensity kg/KRW 1M 0.02 0.0337 0.0397	SOx Intensity	kg/KRW 1M	Giobai	0.0094	0.0082	0.0075
HAPs Intensity kg/KRW 1M 0.0054 0.0138 0.0114 VOCs Metric tons 278 580 956 VOCs Intensity kg/KRW 1M 0.02 0.0337 0.0397	HAPs	Metric tons]	99	238	274
VOCs Metric tons 278 580 956 VOCs Intensity kg/KRW 1M 0.02 0.0337 0.0397	HAPs Intensity	kg/KRW 1M]	0.0054	0.0138	0.0114
VOCs Intensity kg/KRW 1M 0.02 0.0337 0.0397	VOCs	Metric tons]	278	580	956
	VOCs Intensity	kg/KRW 1M]	0.02	0.0337	0.0397

* Data of 2019 and 2020 have been revised due to changes in data collection methodology (based on actual emissions)
 * Reported data of some air pollutants have increased in 2021 due to new factories and the revision of the Clean Air Conservation Act

Waste	Unit	Scope	2019	2020	2021
Total Waste Generated	Metric tons		253,127	227,152	266,065
Total Waste Intensity	Ton/KRW 1M		0.0138	0.0132	0.0111
Nonhazardous Waste			129,697	109,393	144,390
- Recycling			82,446	76,118	106,420
- Incineration with Heat Recovery	-		9,230	7,753	14,242
- Incineration			17,321	16,505	12,797
- Landfill		Global	20,700	9,017	10,931
Hazardous Waste	Metric tons		123,430	117,759	121,675
- Recycling			68,270	62,914	70,672
- Incineration with Heat Recovery			27,362	31,160	33,529
- Incineration			25,772	22,691	16,321
- Landfill			2,026	995	1,153
Waste Reycling Rate (excl. incineration with heat recovery)	0/		60	61	67
Waste Reycling Rate (incl. incineration with heat recovery)	%		74	78	85

* Data of 2019 and 2020 have been revised due to changes in data coverage (includes data from wastes not subject to legal reporting)

Hazardous Substances	Unit

REACH ¹⁾ Annex 17 Substances			17.74	29.80	16.10
REACH SVHCs ²⁾	0/	Global	8.40	2.39	1.57
CMR ³⁾ Substances	70		15.89	5.99	2.71
Hazardous Substances Risk Assessment ⁴⁾			5.92	13.59	25.09

Scope

2019

2020

2021

Registration, Evaluation, Authorisation and Restriction of Chemicals
 Substances of very high concern
 Carcinogenic, mutagenic and reprotoxic chemicals
 Percentage of substances registered amon chemical substances in sales products

Reused/Recycled Materials	Unit	Scope	2019	2020	2021
Products based on reused/recycled materials ¹⁾	Matria tana		10.602	13.411	14.668
Reused/recycled materials ²⁾ input	Metric tons		2.746	4.175	4.841

1) LUPOY PCR PC products 2) PCR PC

Society

Employee and Dresses EURC			[r	I
Employee and Process EH&S	Unit	Scope	2019	2020	2021
Employees					
- Fatality rate ¹⁾			-	0.0115	0.0056
- TRIR ²⁾	Rate	Global	0.4725	0.6506	0.7642
- LTIR ³⁾			0.1501	0.2476	0.2454
Subcontractors			-		
- Fatality rate			-	0.0051	-
- TRIR	Rate	Global	0.3065	0.3345	0.5078
- LTIR			0.1591	0.1774	0.2132
Process Safety Events					
- PSE ⁴⁾	Case		1	5	-
- PSER ⁵⁾	Rate]	0.0029	0.0135	-
Transport Incidents			2	2	1
- Road	Case	Giobai	2	1	1
- Rail			-	-	-
- Ship			-	1	-

1) Total fatality cases * 200,000 / Total working hours 2) Total recordable incident rate: Total recordable incidents * 200,000 / Total working hours 3) Lost time incident rate: Total lost time incidents * 200,000 / Total working hours

Employees	Unit	Scope	2019	2020	2021
Total No. of Employees			19,025	18,243	18,841
- Korea			13,567	12,551	13,955
- China			4,177	4,394	3,564
- Asia-Pacific (excl. China)			694	706	627
- Europe			315	318	419
- Americas	Dereen	Clabal	272	274	276
Total No. of Employees in Leadership ¹⁾ Levels	Person	Giobai	4,905	4,635	5,082
- Korea			4,681	4,389	4,936
- China			162	181	101
- Asia-Pacific (excl. China)			36	38	31
- Europe			17	15	5
- Americas			9	12	9
No. of Employees by Age Group			13,567	12,551	13,955
- Under 30	Dereen		2,930	2,407	2,521
- 30 to 49	reison		8,297	7,731	8,671
- 50 or above			2,340	2,413	2,763
No. of Employees by Gender			13,567	12,551	13,955
- Male	Person		11,633	10,825	11,985
- Female		Korea	1,934	1,726	1,970
- Ratio of Female Employees	%		14	14	14
No. of Employees in Revenue Generating Positions (Sales, Production, R&D) by Gender			3,486	3,224	3,521
- Management Level ²⁾ (Male)	Person		2,883	2,670	2,923
- Management Level (Female)			603	554	598
- Ratio of Female Managemet Level	%		17	17	17

3) Lost time incident rate: Total lost time incidents - 200,000 / Total working hours
4) Process safety events
5) Process safety event rate: Total process safety events * 200,000 / Total working hours
* Total working hours refer to 8 hours a day for 300 days for full-time employees; Process safety events are reported based on the internal standards set in Accident Index which includes injuries, fire, leakages, amount of loss, etc.
* Fatality rate, TRIR, LTIR, and PSER of 2019 and 2020 have been revised due to the correction of the number of employees

No. of Employees in Leadership Levels by Gender			4,681	4,389	4,936	
- Management Level (Male)	Person		3,833	3,577	4,031	
- Management Level (Female)			763	717	808	
- Ratio of Female Management Level	%	Korea	17	17	17	
- Executive Level (Male)	Demos		1	78	88	89
- Executive Level (Female)	Person		7	7	8	
- Ratio of Female Executives	%		8	7	8	
Ratio of Average Female Salary to Average Male Salary						
- Non-management Level (Base salary only)			76	76	77	
- Management Level (Base salary only)		Kanaa	92	93	94	
- Management Level (Base salary + other cash incentives)	70	Korea	91	94	94	
- Executive Level (Base salary only)]		92	90	93	
Social Minorities						
- Persons with Disabilities ³⁾	Daraan	Karaa	311	330	323	
- National Veterans	reison	Korea	280	276	270	

 Leadership level refers to all positions from professionals/senior managers and above
 Management level refers to all positions from professionals/senior managers and above excluding executive level positions
 Number of persons with disabilities hired in 2019 and 2020 have been corrected to the numbers reported to Korea Employment Agency for Persons with Disabilities

Parental Leaves	Unit	Scope	2019	2020	2021		
No. of Employees on Maternity Leave	Person				89	119	107
No. of Employees on Childcare Leave		K	128	148	161		
No. of Employees on Childcare Leave (Female)		Person Korea	98	108	110		
No. of Employees on Childcare Leave (Male)			30	40	51		

Employee Hires	Unit	Scope	2019	2020	2021
Total New Hires			1,497	402	1,560
- Male		1,24	1,246	320	1,255
- Female		Karaa	251	82	305
- Under 30		Person	1,126	187	759
- 30 to 49	Person		302	144	635
- 50 or above	-		69	71	166
Total Local Hires		Global	995	764	1,580
Total No. of Senior Management Level ¹⁾ from Local Hires			10	15	17

1) Senior Management level refers to all positions from department leaders/executives and above

Energia de Estadores					
Employee lurnover	Unit	Scope	2019	2020	2021
Total No. of Employee Turnover			562	575	642
- Male			483	490	556
- Female		Korea	79	85	86
Total No. of Voluntary Employee Turnover	Person		317	284	341
- Male			248	223	276
- Female			69	61	65

Employee Training	Unit	Scope	2019	2020	2021	
Total Training Hours	Hour	L La Lun		491,626	428,997	577,372
Training Hours per Employee		Korea	36	34	41	
Total Costs Spent on Training	KRW 100M		183	125	156	
Training Costs per Employee	KRW 10K		135	92	115	

Labor Rights	Unit	Scope	2019	2020	2021		
	Onit	Scope	2015	2020	2021		
No. of Employees Participating in Labor Union	Person		5,177	5,075	5,436		
No. of Employees Eligible to Join Labor Union		Person	Person	Karaa	7,303	6,745	7,337
Ratio of Employees Participating in Labor Union		Korea	71	75	74		
% of Employees Covered by Collective Bargaining Agreements	70	<i></i> Уо	100	100	100		

Supply Chain	Unit	Scope	2019	2020	2021
No. of Regular Suppliers ¹⁾	-		968	1,064	1,132
- No. of Suppliers Subject to Sustainability Assessment			292	291	472
- No. of Suppliers Evaluated on Sustainability	Company	Global	239	191	233
- High-risk Suppliers ²⁾			33	8	-
- On-site Audits ³⁾			13	-	-

Regular suppliers, based on internal management standards, exclude suppliers with less than 3 orders and purchase value of less than KRW 300 million (KRW 100 million for suppliers in life sciences)
 High-risk suppliers refer to suppliers that scored below 65 for Supplier CSR Assessment results
 On-site audits have been suspended from 2020 due to COVID-19, and have been replaced with an operational guide

Community Engagement	Unit	Scope	2019	2020	2021
Total Contributions to Local Communities ¹⁾	KRW 100M	Clabal	171	156	163
Employee Volunteer Hours ²⁾	Hour	Giobai	13,665	4,879	4,965

Total contributions to local communities in 2019 and 2020 include contributions of LG Energy Solution; Contributions made by LG Energy Solution (KRW 2.6 B) and FarmHannong (KRW 10 M) have been excluded from 2021
 Employee volunteer hours reduced significantly since 2020 due to COVID-19

Governance

Corporate Behavior and Ethics	Unit	Scope	2019	2020	2021	
No. of Investigations on Corruption	Casa	0	Casa	13	5	7
No. of Corruption Cases Handled	Case	Giobai	9	2	3	
No. of Employees Participating in Anti-corruption Training ¹⁾	Person Kor	Karaa	13,567	12,511	13,431	
No. of Employees Participating in Fair Trade Training ²⁾		Korea	430	14,444	14,413	

1) Anti-corruption training covers trainings on "Jeong-Do Management" and the Code of Ethics 2) Fair trade training covers trainings on subcontractors and compliance

Cybersecurity

Oyberseeding	Unit	Scope	2019	2020	2021
ISO 27001 Certified Business Sites	Site		4	4	4
Cybersecurity Awareness Activities	Case	Korea	12	12	12
Cybersecurity Training Hours Per Employee	Minute		20	30	30

Public Policy and Regulation	Unit	Scope	2019	2020	2021
Contributions to Trade Associations ¹⁾		2,311,660	2,090,714	2,222,895	
Contributions to Political Campains ²⁾		Korea	-	-	-

1) Contributions have been made to the following top 5 organizations in 2021:

Contributions nave been made to the following top 5 organiz
 Korea Enterprises Federation: KRW 321,450,000
 Korea PC/BPA Council: KRW 221,672,000
 WEF: KRW 221,618,000
 Korea Petrochemical Industry Association: KRW 213,780,000

- Korea Vinyl Environmental Council: KRW 202,500,000

2) Companies are prohibited to sponsor political groups, in accordance with the Political Funds Act

Tax Strategies	Unit	Scope	2019	2020	2021
Total Reported Taxes ¹⁾	KRW 1M	Global	169,180	367,839	1,235,790
- Korea			100,760	692,538	672,683
- Asia			108,503	290,065	565,833
- Europe			4,747	6,800	61,505
- Americas			18,847	53,112	2,421
- Others			149	141	39
- Consolidated Adjustments			26,131	674,817	56,319
Cash Payment of Corporate Tax			576,713	513,128	1,281,796

1) Reported taxes are based on consolidated financial statements of FY 2021

Customer Satisfaction	Unit	Scope	2019	2020	2021
Customer Satisfaction Survey Scope ¹⁾	%	Global	94	100	100
Customer Satisfaction Survey Score	Score		66.1	79.9	78.7

1) % of business areas (petrochemicals, advanced materials, life sciences) that conducted customer satisfaction surveys; Surveys have been conducted for all business areas since 2020 under the supervision of the Customer Value Innovation Team

Other Economic Performances	Unit	Scope	2019	2020	2021
Total Revenues ¹⁾	KRW 1M	Global	27,331,968	30,058,872	42,654,722
- Revenues excluding LG Energy Solution, and Common and others ²⁾			18,335,975	17,221,356	24,068,819
R&D Expenses			718,600	719,300	710,100

1) Based on consolidated financial statements of FY 2021

Pepresents simple deductions of revenues of LG Energy Solution and Common and others from Total; used for normalizing environmental data. Common and others includes the revenues of FarmHannong, please refer to notes on consolidated audit report of FY 2021 for details



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