

ESG DATABOOK

## KAI ESG Data (Environmental Performance)

	Classif	ication	Unit	2020	2021	2022	Remark	
	Scope 1		tCO2-eq	12,006	13,076	14,512		
GHG emission (Scope 1 & 2)	Scope 2		tCO2-eq	37,135	45,072	47,189		
(Scope r & z)	Total		tCO2-eq	49,141	58,148	61,701		
	Revenue		billion won	2,812	2,548	2,772	* Data scope	
GHG intensity	Scope 1		tCO2-eq/billion won	4.27	5.13	5.24	- 2020 : Head office	
	Scope 2		tCO2-eq/billion won	8,697.62	8,782.77	9,013.78	<ul> <li>2021~: Head office, Sanchung, Gosung, Jongpo and leased</li> </ul>	
CHC	Amount of GHG savings		tCO2-eq	0	119	0	sites (Seoul office and, KAEMS)	
GHG savings	Rate of GHG savings		%		0.2	_		
Performance of	Allocaiton		tCO2-eq	49,141	58,148	61,701		
K-ETS*	Emission		tCO2-eq	49,141	58,148	61,701		
		Upstream Transport & Logistics	tCO2-eq	-	-	138.092		
	Scope 3	Employee business trip	tCO2-eq			798.060		
GHG emission (Scope 3)	Scope 3	Employee commute	tCO2-eq	_	_	145.712		
		Downstream Transport & Logistics	tCO2-eq			187.827		
	Total		tCO2-eq	-	-	1,269.7		
	Energy consumption and savings	Electricity	kwh	79,646,054	98,111,366	102,718,446		
		LNG(natural gas)	ton	-	511.15	613.37		
		LNG(city gas)	천m³	3,499	3,805	3,701		
Energy consumption		Air fuel	kQ	1,398.852	1,112.68	1,437.797		
and savings		Gasoline	kQ	110.228	138.025	139.458	W D-t	
		Kerosene	kQ	0.02	0	0.4	<ul><li>X Data scope</li><li>2020 : Head office</li></ul>	
		Diesel	kQ	220.153	122.2488	341.0861	<ul> <li>2021~: Head office, Sanchung, Gosung, Jongpo and leased</li> </ul>	
	Amount of energy savings		kwh		259,500		sites (Seoul office and, KAEMS)	
	Revenue		billion won	2,812	2,548	2,772		
	Electricity		kwh/billion won	28,324	38,505	37,056		
Energy intensity	LNG(natural gas)		ton/billion won		0.20	0.22		
	LNG(city gas)		thousand of m³/ billion won	1.24	1.49	1.34		
	Water consumption	Municipal water	thousand of m <sup>3</sup>	432,312	431,208	473,964	<ul><li>Data scope</li><li>2020 : Head office</li><li>2021 : Head office and</li></ul>	
Water consumption	Amount of water recycled and reused		thousand of m <sup>3</sup>		41,063	51,007	Sanchung	
	Rate of water recycled and reused		%	_	10	11	<ul> <li>2022 : Head office, Sanchung and Gosung</li> </ul>	
	Waste	Hazardous waste	ton	590.06	494.63	494.99		
	generation by type	Non-hazardous waste	ton	1,684.84(2,500.27)	1,232.77(1,726.34)	1,143.71(1.867.89)		
	Total waste ger	neration	ton	2,274.90(3,090.33)	1,727.40(2,220.97)	1,638.70(2,362.88)	* Data scope	
Waste generation	Waste	Recycled	ton	1,836.08(2,651.51)	1,227.53(1,721.10)	1,203.74(1,927.92)	Head office for all periods	
	generation by treatment	Incineration	ton	200.19	249.2	291.29		
		Landfill	ton	30.78	62.21	44.1		
	method	Others	ton	207.85	188.46	99.57		

Classification			Unit	2020	2021	2022	Remark
		Dust	ton	11.507	10.229	10.457	
	Air pollutant emissions	NO <sub>2</sub>	ton	2.905	4.387	4.457	
		SO <sub>2</sub>	ton	0	0.048	0.724	
	Wastewater ge	neration	thousand of m <sup>3</sup>	63.27	53.7	61.5	Data scope  - Head office for all periods
		BOD	ton	2.101	0.344	0.264	
	Water	COD	ton	0.987	0.575	*0.347	
	pollution substance	SS	ton	0.193	0.279	0.363	
	emissions	T-N	ton	0.121	0.436	0.325	
		T-P	ton	0.003	0.002	0.005	
		For business use (long-term lental)	대	98	101	124	
		For business use (purchased)	대	46	52	55	
	Vehicle for	Total	대	144	153	179	
Rate of eco-friendly vehicle	business use	Eco-friendly vehicles (hybrid)	대	0	0	2	
		Eco-friendly vehicles (hydroelectric)	대	0	0	0	
		Total	대	0	0	2	
	Rate of eco-friendly vehicles		%	-	-	1.12	
	Investment for environmental facility		thousand won	1,288,140	1,305,710	1,597,409	※ Data scope: Head office, Sanchung, Gosung, Jongpo and leased sites for all periods
	Operation costs of environmental facility		million won	1,387	905	990	X Data scope     Head office for all periods
	General administrative expenses		million won	1,171	1,691	1,929	※ Data scope: Head office, Sanchung, Gosung, Jongpo and leased sites for all periods
	Amount of harmful chemical substances used		ton	271.08	213.94	204.76	* Data scope
	Amount of chemical substances emissions		ton	27.95	26.99	26.98	- Head office for all periods
	Environmental accidents		numbers	0	0	0	
	Serious accidents		numbers	0	0	0	Sanchung, Gosung, Jongpo
	Non-compliance with health & safety laws and regulations		numbers	0	2	0	
	Rate of industrial accidents		%	0.14	0.18	0.16	
	ISO 14001		businesses	4	5	5	
	Certification of environmental product declaration		numbers	0	0	0	Data scope : Head office,     Canalysis Constant
	Certification for low carbon products		numbers	0	0	0	Sanchung, Gosung, Jongpo and leased sites for all periods
	ISO 45001		businesses	4	5	5	

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## KAI ESG Data (Social Performance)

Age gro  Employee status  Level  Employ  Diversit	group	Male Female ~29 30~39 40~49 50+ Executive	persons  persons  persons  persons  persons  persons  persons  persons	5,065 4,718 347 769 1,503 1,343	5,048 4,693 355 656 1,512	5,119 4,718 401 653	*as of end of 2022, employee on leave of absence included
Employee status  Level  Employ  Diversi	group	Female -29 30~39 40~49 50+ Executive	persons persons persons	347 769 1,503	355 656	401	
Employee status  Level  Employ  Diversi	group	~29 30~39 40~49 50+ Executive	persons persons	769 1,503	656		
Employee status  Level  Employ  Diversi		30~39 40~49 50+ Executive	persons	1,503		653	
Employee status  Level  Employ  Diversi		40~49 50+ Executive	persons		1 512		
Employee status  Level  Employ  Diversi		50+ Executive		1 343	1,012	1,509	
Employ Diversi	al	Executive	persons	1,010	1,332	1,281	
Employ Diversi	<b>.</b>			1,450	1,548	1,676	
Employ Diversi	el .		persons	36	34	32	
Diversi		Manager	persons	250	265	270	
Diversi		Others*	persons	4,779	4,749	4,817	* all employees not classified as executive and manager
Diversi	loyment type	Non-fixed-term employees	persons	4,167	4,152	4,242	
Numbe	юуттетт туре	Fixed-term employees	persons	898	896	877	
Numbe	roitu	No. of employees with disabilities	persons	85	84	82	*as of end of 2022, employee on leave of absence included
	isity	Rate of employees with disabilities	%	1.78	1.74	1.66	
Gender	Number of new employee hires		persons	413	361	511	
Genuel	dor	Male	persons	338	286	402	
	uei	Female	persons	75	75	109	
	Age group	~29	persons	213	143	238	
Ago gr		30~39	persons	119	90	124	
New employment		40~49	persons	50	63	64	
status		50+	persons	31	65	85	
		Executive	persons	4	2	4	
Level	el .	Manager	persons	-	2	2	
		Others*	persons	409	357	505	
Employ	loyment type	Non-fixed-term employees	persons	226	146	230	
Епіріоу	поутпент туре	Fixed-term employees	persons	187	215	281	
Numbe	Number of employee turnover		persons	313	361	441	
		Male	persons	99	123	160	
Volunta	ntary turnover	Female	persons	13	14	23	
Turnover		Total	persons	112	137	183	
	of voluntary turno	ver	%	2.24	2.70	3.60	
		Male	persons	165	174	218	
Non-vo	Non-voluntary	Female	persons	36	50	40	
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Classification		단위	2020	2021	2022	Remark	
Turnover status	Rate of non-voluntary turnover		%	4.02	4.42	5.07	
	Average length of service		years	13.86	14.02	13.86	
Employee training	Number of total trainees		persons	18,343	22,357	23,550	
	Total training expenses		million won	18.1	14.7	18.9	
	Total training hours		hours	107,344	156,008	134,399	
	Training hours per person		hours	21.6	31.0	26.5	
	Training expenses per p	person	thousand won	364.2	292.5	372.0	
	Training satisfaction ind	ex	points	4.30	4.44	4.47	* based on 5 points
		Male	persons	126	166	131	
	No. of employees who used parental leaves	Female	persons	8	10	9	
		Total	persons	134	176	140	
	No. of employees who used childcare leaves	Male	persons	34	24	46	
Childcare leave		Female	persons	9	9	10	
		Total	persons	43	33	56	
	Rate of return to work	Rate of return to work		93.02	100.00	98.08	
	No. of valid employees		persons	4,153	4,150	4,262	
	No. of labor union membership		persons	3,145	3,335	3,439	
	Rate of labor union membership		%	75.7	80.4	80.7	
	No. of labor-management council meetings		times	2	2	3	
	No. of the employees participated in SC activities		pesons	323	327	340	
Social	Total hours of SC activities		hours	1,655	1,611	1,885	
	Hours of the activities p	Hours of the activities per person		5.1	4.9	5.5	
	Employees fund raising	Employees fund raising for SC		1,022	703	650	
	No. of beneficiaries of activities		persons	12,446	10,779	13,020	
	Total suppliers		suppliers	75	78	79	
Supplier status	Total amount of support	Total amount of support		213.6	237.9	159.9	
	No. of technical support	No. of technical support		2,602	1,824	1,989	
	No. of suppliers particip	No. of suppliers participated in ESG consulting program		-	-	10	
	Information/cyber secu		cases	-	1	-	
	Legal/administrative fin accidents	e or penalty caused by the	won	n/a	n/a	n/a	
		ated to the customers' data leak	cases	-	-	-	
	No. of the customers affected by data leak issue		customers	_	_	-	

ESG DATABOOK

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## KAI ESG Data (Governance Performance)

Classification			단위	2020	2021	2022	Remark
Anti- corruption & ethics management	No. of employees completed the ethics and compliance training courses		persons	11,582	13,308	19,929	* trainings for partner companies are excluded (43 companies at '21, 50 companies at '22)
	Rate of employees participated in the anti-corruption & compliance/ ethics trainings		%	99	95.5	97	
	No. of legal actions for anti-competitive behaviors		cases	1	1	1	
	Monitoring status ISO 37001			attained	attained	attained	
	No. of cyber whistle-blowing reported		cases	27	39	39	
Cyber whistle- blowing status	No. of cyber whistle-blowing measured		cases	27	39	39	
	Rate of cyber whistle-blowing measured		%	100	100	100	
	Performance of BOD	No. of BODs held	회	9	10	12	
		No. of total agendas	건	46	68	53	
		Portion of the independent directors	%	80	80	75	
Board of		Portion of the female directors	%	_	_	-	
Directors		Average participation rate	%	100	100	100	
	Total amount of remuneration	Executive director (excluding independent directors and members of the Audit Committe)	million won	619	631	1,276	* the former CEO's severance pay is included in 2022 (due to the termination of term)
		Independent directors (excluding members of the Audit Committe)	million won	-	-	-	* all members of the Audit Committee are the independent directors
		Members of the Audit Committee	million won	250	250	253	
		Members of the Audit Committee		250	250	253	