

Material Balance

Input on environmental impact in business activities

	Stage	Unit	FY2022	FY2023	FY2024	FY2025
Design / Procurement / Manufacturing / Development	Raw Materials					
	Metal	ktons	11	8	6	6
	Plastic	ktons	3	3	2	2
	Others	ktons	6	5	4	4
	Chemical Substances (*1)					
	VOC	ktons	0.3	0.2	0.3	0.0 (*4)
	PRTR	ktons	7.9	6.8	6.7	0.0 (*4)
	Water					
	Water usage	Mm ³	6.15	6.09	6.40	1.80
	Energy					
	Total	TJ	5,092	4,877	4,897	2,471
	Purchased electricity	TJ	3,823	3,634	3,570	2,106
	Heavy oil, kerosene, etc.	TJ	93	81	92	65
	LPG, LNG	TJ	105	102	109	22
	Natural gas, City gas	TJ	1,018	1,008	1,079	263
	District heating and cooling	TJ	53	53	46	15
Distribution / Sales	Energy					
	Fuel (light oil, gasoline, etc.)	PJ	0.63	0.47	0.23	0.21
Usage	Energy					
	Electricity	GWh (PJ)	9,685 (34.87)	6,153 (22.15)	5,279 (19.00)	5,182 (18.65)
Collection /Reuse /Recycling	Resources recycling rate	%	93.6	94.1	93.3	94.6
	Amount processed	tons	1,996	1,986	1,792	1,896

Output on environmental impact in business activities

	Stage	Unit	FY2021	FY2022	FY2023	FY2025
Design / Procurement / Manufacturing / Development	Raw Materials					
	CO ₂ emissions	ktons-CO ₂	190	120	83	91
	Chemical Substances (*1)					
	VOC	tons	161	135	155	3 (*4)
	PRTR	tons	5	9	8	2 (*4)
	Atmospheric Release					
	Total GHG emissions	ktons-CO ₂	540	516	498	269
	CO ₂ (*2)	ktons-CO ₂	538	513	495	268
	GHG other than CO ₂ (PFCs, HFCs, SF6, NF3, others)	ktons-CO ₂	2	3	3	1
	NOx	tons	33	25	23	25
	SOx	tons	0.3	0.1	0.1	0.0
	Water Discharge					
	Total	Mm ³	5.13	5.00	5.15	1.37
	BOD	tons	219	137	225	1
	COD	tons	12	5	7	2
	Waste					
	Amount of waste generated	ktons	11.6	9.6	9.9 (*3)	3.4
	Thermal recycling volume	ktons	1.7	1.9	1.5 (*3)	0.6
	Material recycling volume	ktons	9.4	7.3	8.1 (*3)	2.6
	Disposal volume	ktons	0.5	0.4	0.3 (*3)	0.2
	Waste diversion rate	%	—	—	99 (*3)	98
Distribution / Sales	Atmospheric Release					
	CO ₂	ktons-CO ₂	44	32	16	14
Usage	Atmospheric Release					
	CO ₂	ktons-CO ₂	3,358	2,283	1,982	1,872

*1 Substances that qualify as both a PRTR targeted chemical and a VOC are included under "VOCs" only.

*2 Location-based

*3 Shinko Electric Industries Co., Ltd.'s two overseas locations, KOREA SHINKO MICROELECTRONICS CO., LTD. and SHINKO ELECTRONICS (MALAYSIA) SDN. BHD., are excluded from the consolidated figures.

*4 Shinko Electric Industries Co., Ltd. is excluded from consolidated figures.