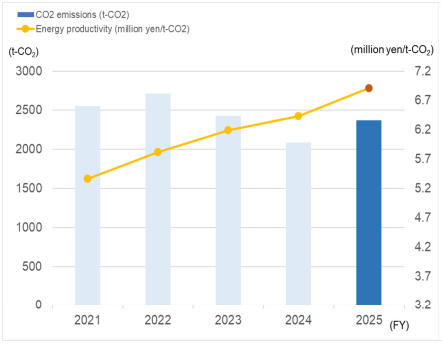
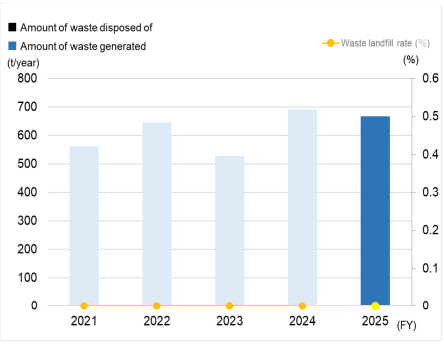
Environmental Impact Data for SHI Group Companies Manufacturing in Japan (Outside Works)

*CO_2 emissions and electric power consumption are given based on actual usage but excluding solar power generation and renewable energy purchases.

Shin Nippon Machinery Co., Ltd.

■ Main products: Turbines, pumps



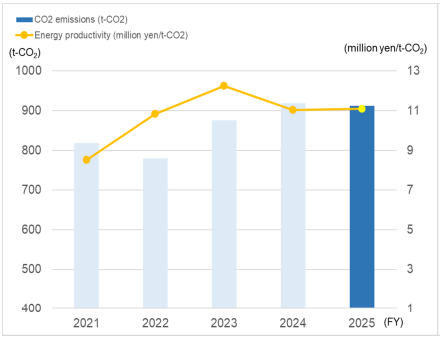


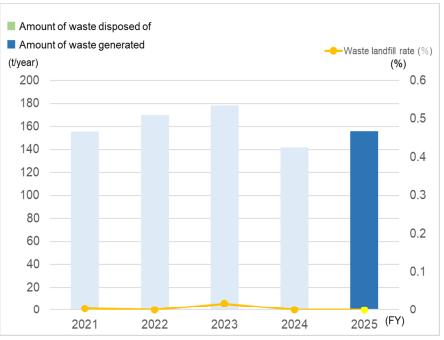
Energy consumption	
Electric power (1,000 kWh)	3,977.8
Gasoline (kL)	0.0
Kerosene (kL)	204.3
Light oil (kL)	3.9
Heavy fuel oil A (kL)	0.0
LPG (t)	4.4
LNG (t)	0.0
City gas (km^3)	0.8
Water consumption (m^3)	15,812.0

Atmospheric discharge	
SOx (kg)	64.5
NOx (kg)	510.7
Amount discharged into water systems	
COD (kg)	–
Nitrogen (kg)	–
Phosphorus (kg)	–

Nihon Spindle Mfg. Co., Ltd.

■ Main products: Industrial and environmental machinery



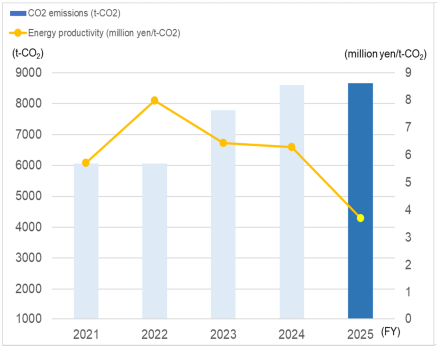


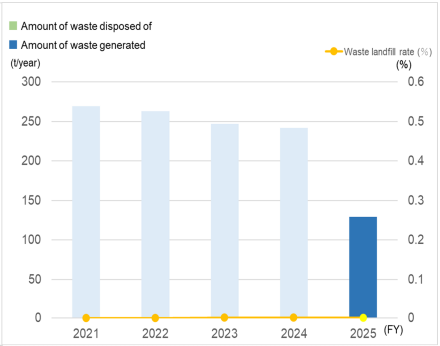
Energy consumption	
Electric power (1,000 kWh)	1,791.9
Gasoline (kL)	0.0
Kerosene (kL)	1.9
Light oil (kL)	0.1
Heavy fuel oil A (kL)	0.0
LPG (t)	0.2
LNG (t)	0.0
City gas (km^3)	35.1
Water consumption (m^3)	8,688.5

Atmospheric discharge	
SOx (kg)	–
NOx (kg)	69
Amount discharged into water systems	
COD (kg)	–
Nitrogen (kg)	–
Phosphorus (kg)	–
*Sewage discharge	

Sumitomo Heavy Industries Material Solutions Co., Ltd.

■Main products: Ion implantation devices



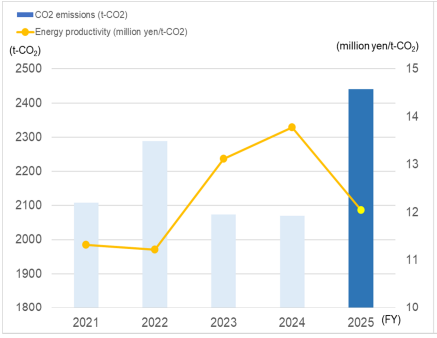


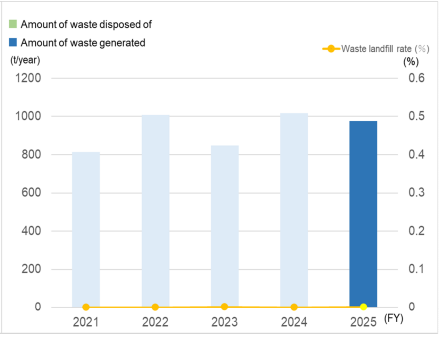
Energy consumption	
Electric power (1,000 kWh)	18,720.0
Gasoline (kL)	0.0
Kerosene (kL)	0.0
Light oil (kL)	1.4
Heavy fuel oil A (kL)	0.0
LPG (t)	3.1
LNG (t)	0.0
City gas (km^3)	0.0
Water consumption (m^3)	15,688.0

Atmospheric discharge	
SOx (kg)	–
NOx (kg)	–
Amount discharged into water systems	
COD (kg)	–
Nitrogen (kg)	–
Phosphorus (kg)	–
*Incl. with Saijo Plant	

Sumitomo NACCO Forklift Co., Ltd.

■ Main products: Forklifts





Energy consumption	
Electric power (1,000 kWh)	3,917.5
Gasoline (kL)	5.2
Kerosene (kL)	0.0
Light oil (kL)	8.0
Heavy fuel oil A (kL)	0.0
LPG (t)	2.5
LNG (t)	0.0
City gas (km^3)	263.2
Water consumption (m^3)	7,896.0

Atmospheric discharge	
SOx (kg)	–
NOx (kg)	–
Amount discharged into water systems	
COD (kg)	–
Nitrogen (kg)	–
Phosphorus (kg)	–
*Sewage discharge	

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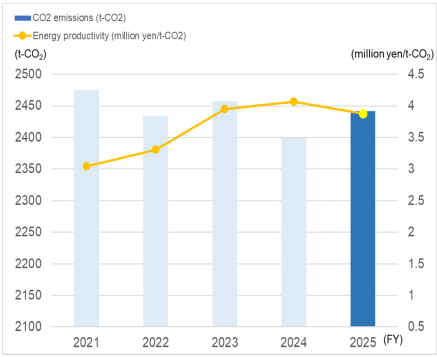
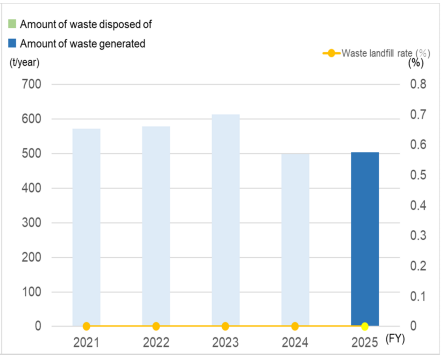
Sumitomo Heavy Industries Gearbox Co., Ltd. Kaizuka Plant

■Main products: Drive units



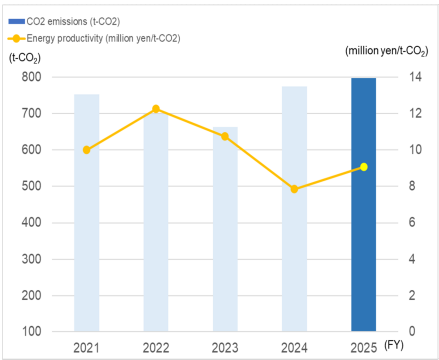


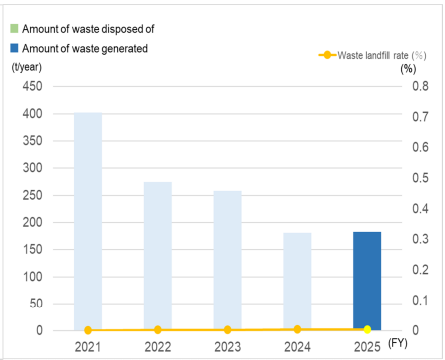
Energy consumption	
Electric power (1,000 kWh)	4,260.2
Gasoline (kL)	0.3
Kerosene (kL)	0.2
Light oil (kL)	1.5
Heavy fuel oil A (kL)	0.0
LPG (t)	6.4
LNG (t)	0.0
City gas (km^3)	163.0
Water consumption (m^3)	19,153.0

Atmospheric discharge	
SOx (kg)	–
NOx (kg)	221.5
Amount discharged into water systems	
COD (kg)	–
Nitrogen (kg)	–
Phosphorus (kg)	–
*Sewage discharge	

Sumitomo Heavy Industries Modern, Ltd.

■ Main products: : Plastic extruding and molding machines



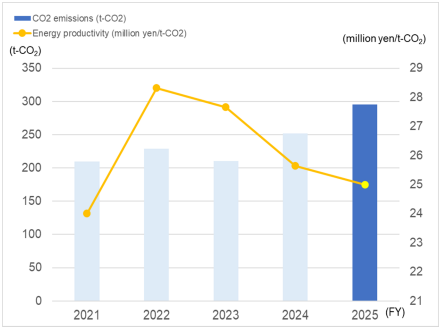


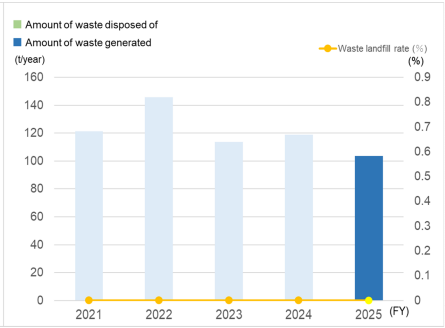
Energy consumption	
Electric power (1,000 kWh)	1,704.4
Gasoline (kL)	0.0
Kerosene (kL)	0.0
Light oil (kL)	0.7
Heavy fuel oil A (kL)	0.0
LPG (t)	2.4
LNG (t)	0.0
City gas (km^3)	0.0
Water consumption (m^3)	2,140.0

Atmospheric discharge	
SOx (kg)	–
NOx (kg)	–
Amount discharged into water systems	
COD (kg)	–
Nitrogen (kg)	–
Phosphorus (kg)	–
*Sewage discharge	

Izumi Food Machinery Co., Ltd.

■ Main products: Food processing machinery



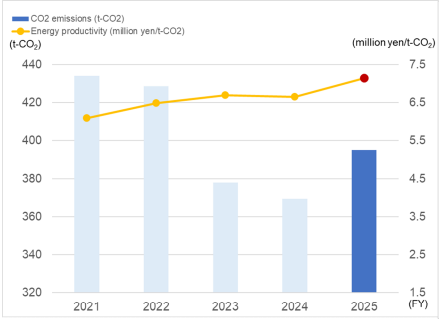


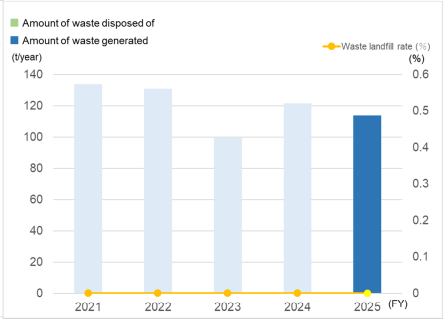
Energy consumption	
Electric power (1,000 kWh)	548.9
Gasoline (kL)	0.0
Kerosene (kL)	13.0
Light oil (kL)	0.0
Heavy fuel oil A (kL)	0.0
LPG (t)	0.0
LNG (t)	0.0
City gas (km^3)	3.2
Water consumption (m^3)	2,705.0

Atmospheric discharge	
SOx (kg)	–
NOx (kg)	–
Amount discharged into water systems	
COD (kg)	–
Nitrogen (kg)	–
Phosphorus (kg)	–
*Sewage discharge	

SFK Co., Ltd.

■ Main products: Bolts, nuts, precision screws





Energy consumption	
Electric power (1,000 kWh)	788.0
Gasoline (kL)	0.0
Kerosene (kL)	12.1
Light oil (kL)	0.0
Heavy fuel oil A (kL)	0.0
LPG (t)	0.3
LNG (t)	0.0
City gas (km^3)	0.0
Water consumption (m^3)	741.0

Atmospheric discharge	
SOx (kg)	–
NOx (kg)	–
Amount discharged into water systems	
COD (kg)	–
Nitrogen (kg)	–
Phosphorus (kg)	–