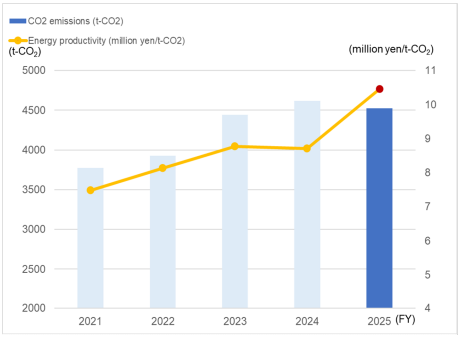
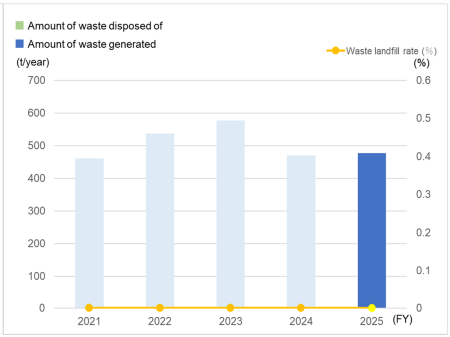
Environmental Impact Data for SHI Group Works

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

Tanashi Works

■ Established in 1938 ■ ISO14001 (Acquired Aug. 1998 [Unified]) ■ Site area: 40,706m^2
■ Building area: 14,368m^2 ■ Main products: Cryogenic equipment, defense equipment



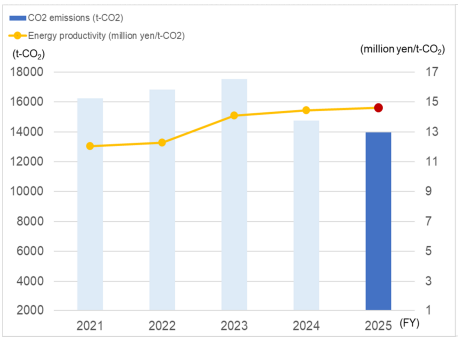


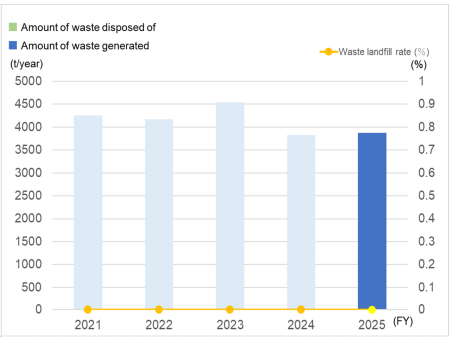
Energy consumption	
Electric power (1,000 kWh)	9,766.4
Gasoline (kL)	0.1
Kerosene (kL)	0.7
Light oil (kL)	1.6
Heavy fuel oil A (kL)	0.0
LPG (t)	0.0
LNG (t)	0.0
City gas (km^3)	1.7
Water consumption (m^3)	14,217.0

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

Chiba Works

■ Established in 1965 ■ ISO14001 (Acquired Aug. 1998 [Unified]) ■ Site area: 297,039m^2
■ Building area: 127,800m^2 ■ Main products: Plastic processing machines, metallic molds, hydraulic excavators



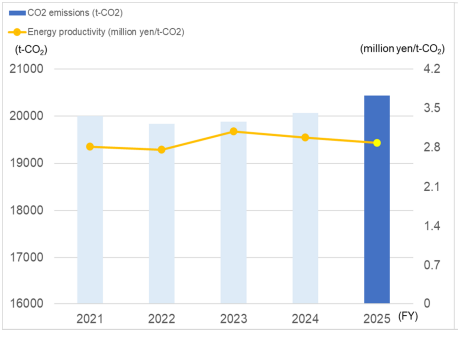


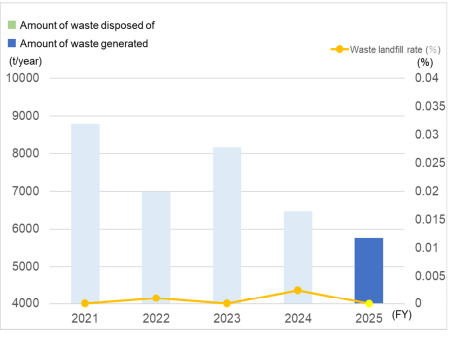
Energy consumption	
Electric power (1,000 kWh)	21,148.6
Gasoline (kL)	79.8
Kerosene (kL)	0.1
Light oil (kL)	429.3
Heavy fuel oil A (kL)	0.0
LPG (t)	25.8
LNG (t)	0.0
City gas (km^3)	1,252.3
Water consumption (m^3)	98,415.5

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

Yokosuka Works

■ Established in 1971 ■ ISO14001 (Acquired Aug. 1998 [Unified]) ■ Site area: 523,000m^2
■ Building area: 170,635m^2 ■ Main products: Stage systems, system controllers, laser processing systems, semiconductor manufacturing equipment (molding machines), precision forgings, ships



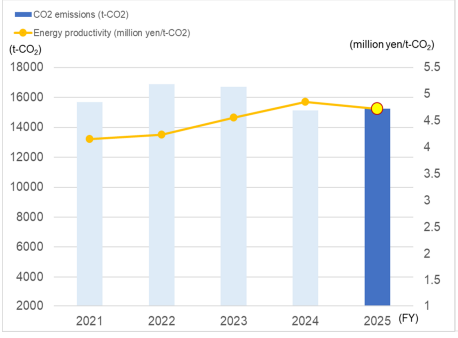


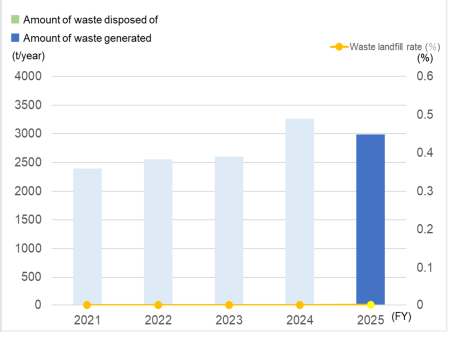
Energy consumption	
Electric power (1,000 kWh)	38,609.8
Gasoline (kL)	28.0
Kerosene (kL)	0.0
Light oil (kL)	170.2
Heavy fuel oil A (kL)	0.0
LPG (t)	8.4
LNG (t)	0.0
City gas (km^3)	920.2
Water consumption (m^3)	148,882.9

Atmospheric discharge	
SOx (kg)	–
NOx (kg)	–
Amount discharged into water systems	
COD (kg)	334.7
Nitrogen (kg)	149.3
Phosphorus (kg)	58.6

Nagoya Works

■ Established in 1961 ■ ISO14001 (Acquired Aug. 1998 [Unified]) ■ Site area: 293,000m^2
■ Building area: 90,000m^2 ■ Main products: Power transmission and controls, gear motors, inverters, construction cranes





Energy consumption	
Electric power (1,000 kWh)	25,330.8
Gasoline (kL)	29.0
Kerosene (kL)	0.6
Light oil (kL)	111.3
Heavy fuel oil A (kL)	0.0
LPG (t)	4.4
LNG (t)	0.0
City gas (km^3)	1,415.2
Water consumption (m^3)	120,263.0

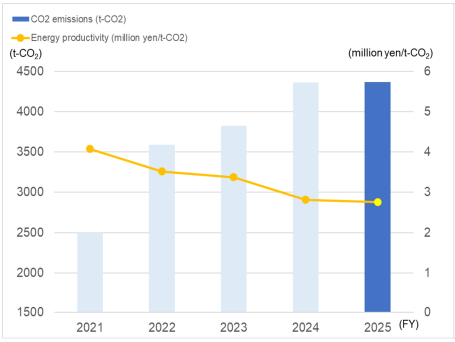
Atmospheric discharge	
SOx (kg)	–
NOx (kg)	305
Amount discharged into water systems	
COD (kg)	590.2
Nitrogen (kg)	79.3
Phosphorus (kg)	17.7

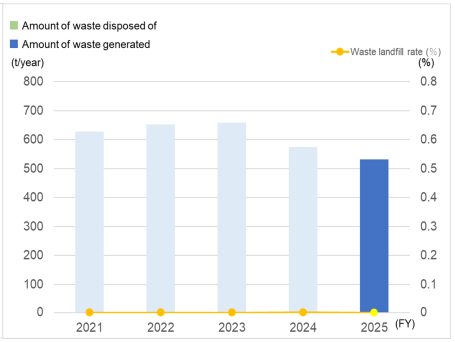
Environmental Impact Data for SHI Group Works

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

Okayama Works

■ Established in 1948 ■ ISO14001 (Acquired Aug. 1998 [Unified]) ■ Site area: 425,000m^2
■ Building area: 78,000m^2 ■ Main products: Gear boxes, machine tools, coolant systems



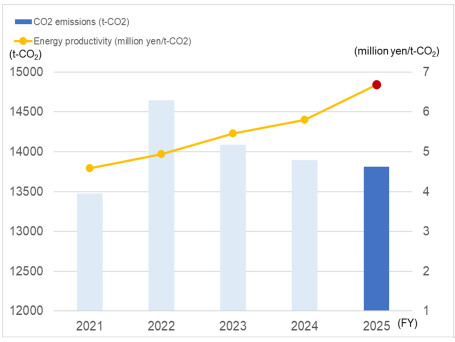


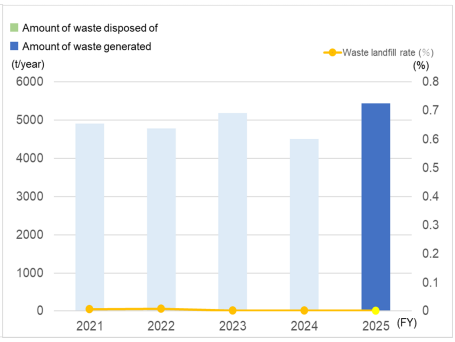
Energy consumption	
Electric power (1,000 kWh)	8,476.8
Gasoline (kL)	1.9
Kerosene (kL)	0.0
Light oil (kL)	4.4
Heavy fuel oil A (kL)	0.0
LPG (t)	145.5
LNG (t)	0.0
City gas (km^3)	0.0
Water consumption (m^3)	15,365.8

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

Ehime Works (Niihama plant)

■ Established in 1888 ■ ISO14001 (Acquired Aug. 1998 [Unified]) ■ Site area: 418,000m^2
■ Building area: 203,000m^2 ■ Main products: Forging machinery, medical accelerators, transport machinery, mechanical parking systems, mill rolls



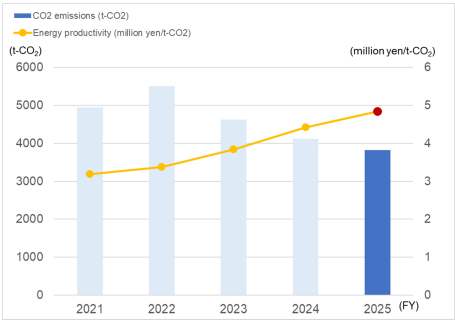


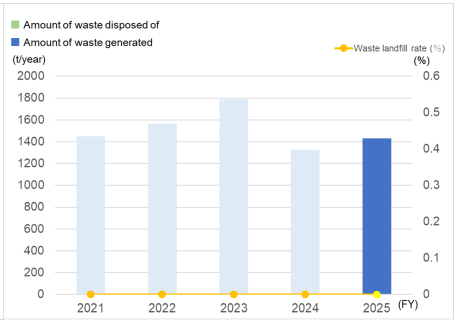
Energy consumption	
Electric power (1,000 kWh)	23,518.6
Gasoline (kL)	3.2
Kerosene (kL)	0.0
Light oil (kL)	100.3
Heavy fuel oil A (kL)	32.0
LPG (t)	509.5
LNG (t)	393.5
City gas (km^3)	0.0
Water consumption (m^3)	644,076.0

Atmospheric discharge	
SOx (kg)	46.0
NOx (kg)	569.0
Amount discharged into water systems	
COD (kg)	40.5
Nitrogen (kg)	399.3
Phosphorus (kg)	8.5

Ehime Works (Saijo plant)

■ Established in 1973 ■ ISO14001 (Acquired Aug. 1998 [Unified]) ■ Site area: 535,036m^2
■ Building area: 82,222m^2 ■ Main products: Pressure vessels, mixing and blending vessels, coke oven machines





Energy consumption	
Electric power (1,000 kWh)	7,608.2
Gasoline (kL)	9.8
Kerosene (kL)	6.1
Light oil (kL)	38.7
Heavy fuel oil A (kL)	0.0
LPG (t)	56.0
LNG (t)	0.0
City gas (km^3)	0.0
Water consumption (m^3)	58,322.6

Atmospheric discharge	
SOx (kg)	17.7
NOx (kg)	63.5
Amount discharged into water systems	
COD(kg)	227.6
Nitrogen (kg)	375.4
Phosphorus (kg)	27.6