

Environmental Data

**Kawasaki's Environmental Data
(Fiscal 2017)** 39

**Environmental Data by Business Site
(Fiscal 2017)** 40

- Gifu Works
- Nagoya Works 1
- Kobe Works
- Hyogo Works
- Nishi-Kobe Works
- Seishin Works
- Akashi Works
- Kakogawa Works
- Harima Works
- Sakaide Works

**Environmental Data of Subsidiaries
(Fiscal 2017)** 42

Domestic/Overseas

Kawasaki's Environmental Data (Fiscal 2017)

		Unit	Amount	Change from fiscal 2016	
INPUT	Total energy consumption (crude oil conversion)	kl	156,987	101%	
	Purchased electricity	MWh	375,571	101%	
	Fuel	TJ	2,432	102%	
	Renewable energy	MWh	1,664	100%	
	Materials	10,000 t	14	156%	
	Water	1,000 m ³	6,099	103%	
OUTPUT	Air	CO ₂ emissions from energy sources	t	321,343	99%
		SO _x	t	5	29%
		NO _x	t	155	50%
		Soot and dust	t	3	41%
		PRTR regulated substance	t	812	90%
	Water	Wastewater	1,000 m ³	3,824	108%
		COD	t	9	105%
		Nitrogen	t	37	175%
		Phosphorus	t	0.4	248%
		PRTR regulated substance	t	2	140%
	Waste	Total emitted	t	51,057	99%
		Recycled	t	49,846	100%
		Others	t	1,191	81%
		PRTR regulated substance in above total	t	250	90%
	Others	CO ₂ emissions during transport	t	4,223	112%

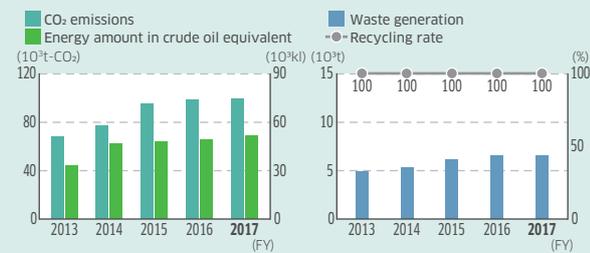
Environmental Data by Business Site (Fiscal 2017) 1/2

		Unit	Gifu Works	Nagoya Works 1	Kobe Works	Hyogo Works	Nishi-Kobe Works	
INPUT	Total energy consumption (crude oil conversion)	kl	37,281	13,998	12,489	5,567	17,281	
	Purchased electricity	MWh	75,049	54,959	31,074	17,588	62,394	
	Fuel	TJ	712	12	182	43	63	
	Renewable energy	MWh	0	870	23	28	525	
	Water	1,000 m ³	3,973	64	303	75	226	
OUTPUT	Air	CO ₂ emissions from energy sources	t	75,084	25,131	25,682	11,076	34,160
		SOx	t	1	0	4	0	0
		NOx	t	48	0.4	94	0.7	0.7
		Soot and dust	t	0.5	Under 0.1	0.2	Under 0.1	Under 0.1
		PRTR regulated substance	t	130	1	48	87	28
	Water	Wastewater	1,000 m ³	2,504	16	130	75	61
		COD	t	9	0.2	Under 0.1	Under 0.1	0.3
		Nitrogen	t	32	0.1	Under 0.1	Under 0.1	0.8
		Phosphorus	t	0.3	Under 0.1	Under 0.1	Under 0.1	Under 0.1
		PRTR regulated substance	t	2	0	0	0	0
	Waste	Total emitted	t	5,679	1,019	9,111	4,343	4,123
		Recycled	t	5,679	1,019	9,111	4,342	4,108
		Other (incineration/reclamation)	t	0	0	0	1	15
		PRTR regulated substance in above total	t	62	1	13	54	38

Gifu Works and Nagoya Works 1

Location 1, Kawasaki-cho, Kakamigahara, Gifu 504-8710, Japan
20-3, Kusunoki 3-chome, Yatomi, Aichi 498-0066, Japan

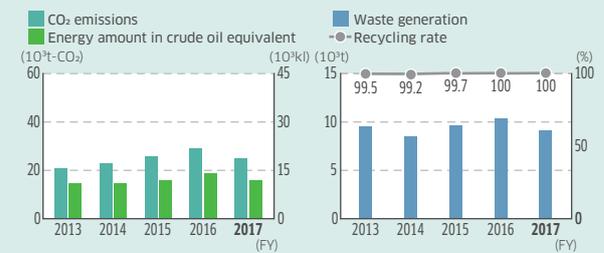
Main products Transport airplanes, helicopters, spacecraft, component parts for airplanes



Kobe Works

Location 1-1, Higashikawasaki-cho 3-chome, Chuo-ku, Kobe, Hyogo 650-8670, Japan

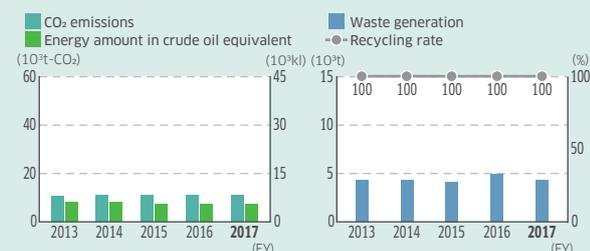
Main products Ships & maritime application equipment, steam turbines for ground and maritime applications, diesel engines



Hyogo Works

Location 1-18, Wadayama-dori 2-chome, Hyogo-ku, Kobe, Hyogo 652-0884, Japan

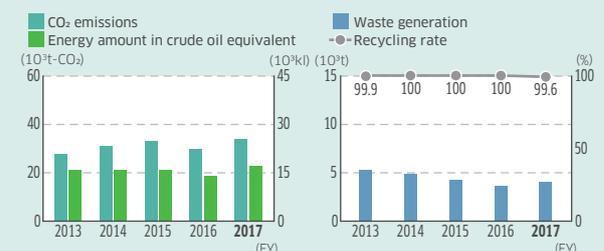
Main products Rolling stock, automated guideway transit systems, platform screen doors



Nishi-Kobe Works

Location 234, Matsumoto, Hazetani-cho, Nishi-ku, Kobe, Hyogo 651-2239, Japan

Main products Various hydraulic systems for industrial use, marine machinery, precision machinery and equipment



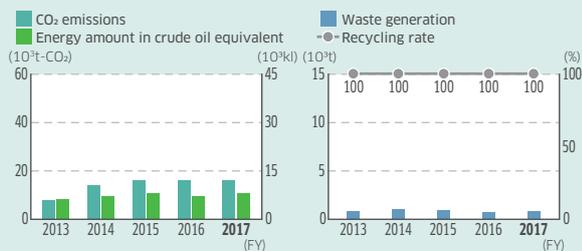
Environmental Data by Business Site (Fiscal 2017) 2/2

		Unit	Seishin Works	Akashi Works	Kakogawa Works	Harima Works	Sakaide Works	
INPUT	Total energy consumption (crude oil conversion)	kl	8,435	42,939	3,283	4,602	9,994	
	Purchased electricity	MWh	26,293	45,744	6,448	15,437	36,883	
	Fuel	TJ	72	1,220	65	27	29	
	Renewable energy	MWh	0	154	0	5	60	
	Water	1,000 m ³	82	857	12	95	413	
OUTPUT	Air	CO ₂ emissions from energy sources	t	16,716	88,223	7,556	9,115	26,510
		SOx	t	0	0	0	0	0
		NOx	t	2	9	0	0.3	Under 0.1
		Soot and dust	t	Under 0.1	2	0	Under 0.1	Under 0.1
		PRTR regulated substance	t	3	65	0	57	392
	Water	Wastewater	1,000 m ³	49	546	5	45	394
		COD	t	-	-	Under 0.1	Under 0.1	0.4
		Nitrogen	t	-	-	Under 0.1	Under 0.1	0.5
		Phosphorus	t	-	-	Under 0.1	Under 0.1	Under 0.1
		PRTR regulated substance	t	0	0	0	0	0
	Waste	Total emitted	t	847	8,201	1,480	3,570	12,685
		Recycled	t	847	8,174	1,446	3,570	11,584
		Other (incineration/reclamation)	t	0	27	15	0	1,101
		PRTR regulated substance in above total	t	11	53	0	4	14

Seishin Works

Location 8-1, Takatsukadai 2-chome, Nishi-ku, Kobe, Hyogo 651-2271, Japan

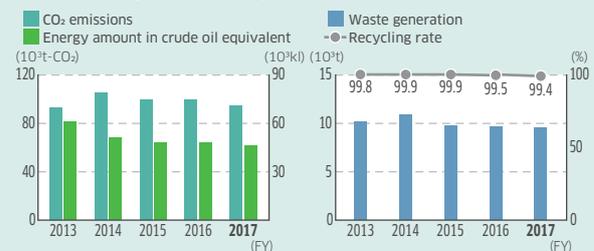
Main products Component parts for jet engines and gas turbines



Akashi Works and Kakogawa Works

Location 1-1, Kawasaki-cho, Akashi, Hyogo 673-8666, Japan
170, Yamanoue Mukohara, Hiraoka-cho, Kakogawa, Hyogo 675-0112, Japan

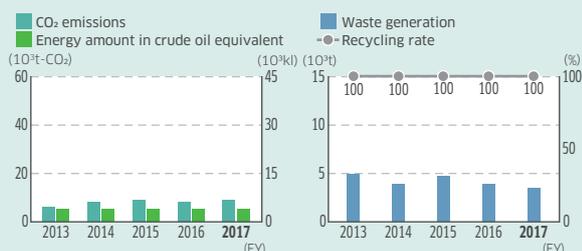
Main products Motorcycles, general-purpose gasoline engines, industrial robots, jet engines, industrial gas turbines



Harima Works

Location 8, Nijijima, Harima-cho, Kako-gun, Hyogo 675-0180, Japan

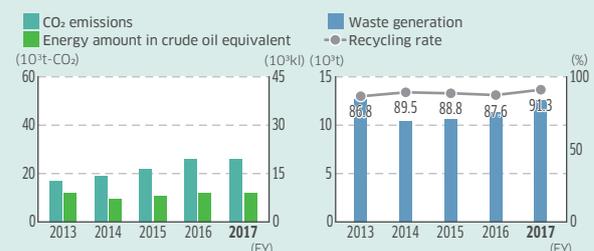
Main products Industrial & environmental plants, boilers, construction machinery, rolling stock



Sakaide Works

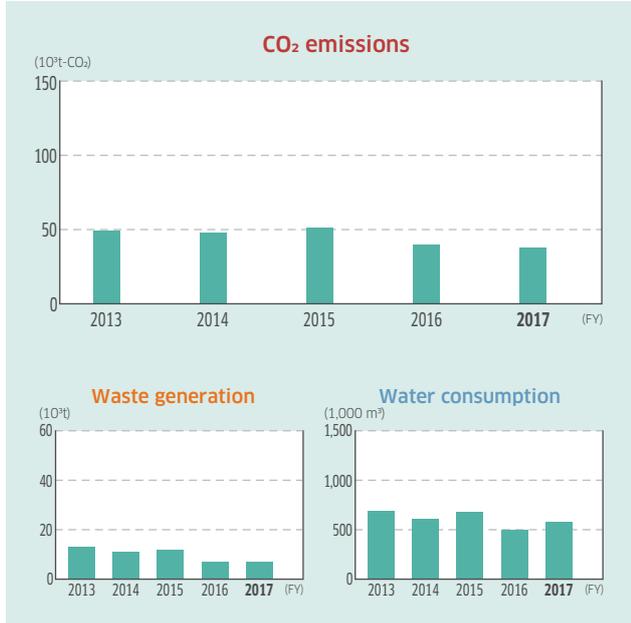
Location 1, Kawasaki-cho, Sakaide, Kagawa 762-8507, Japan

Main products Ships & maritime application equipment (LNG carriers, LPG carriers, container ships, etc.)

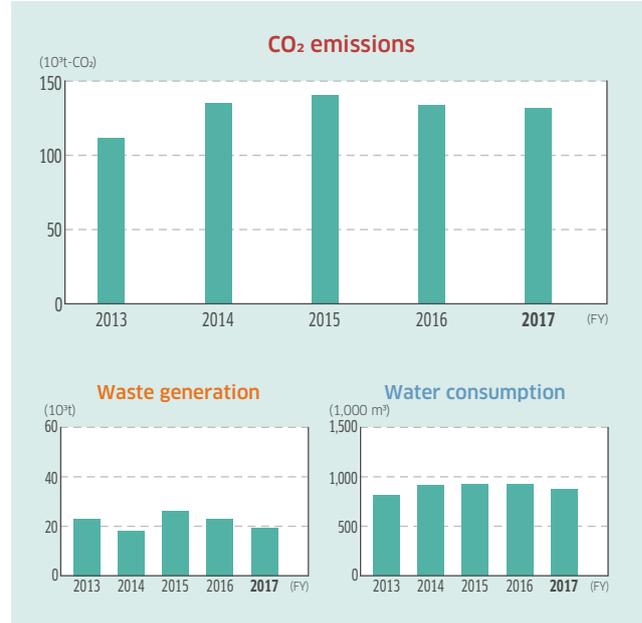


Environmental Data of Subsidiaries (Fiscal 2017)

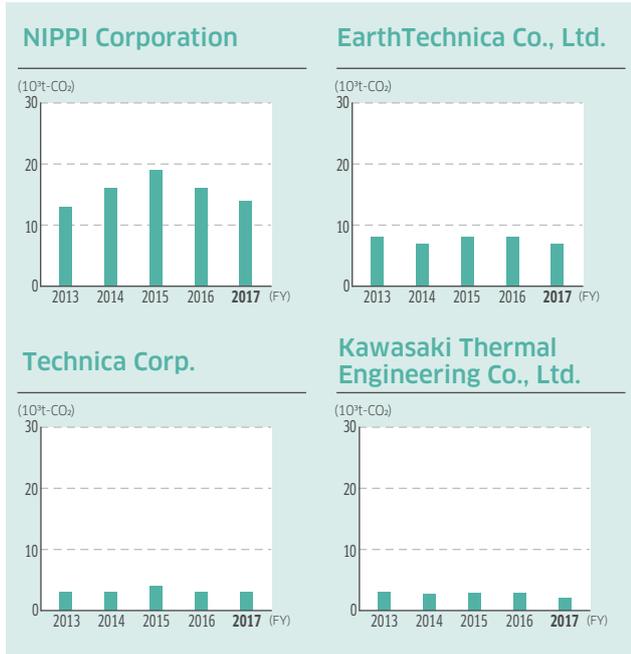
Total for Domestic Subsidiaries



Total for Overseas Subsidiaries



CO₂ Emissions of Domestic Major Subsidiaries



CO₂ Emissions of Overseas Major Subsidiaries

