

Environmental Data by Operations Base ①

This page includes the environmental data for 2 locations, Kokubu and Kariya, out of our 13 locations; 12 domestic plants and 1 operations center.

[Chemicals] Substances subject to PRTR **[Atmosphere]** Measured values are the maximum values **[Water quality]** pH: Hydrogen-ion concentration/ COD:Chemical oxygen demand/ BOD: Biochemical oxygen demand/ SS: Suspended solids in water/ Oil content: N-hexane extract content/ ND: Lower than determination limit/ Values in parenthesis show the daily average values **[Regulated value]** JTEKT internal standards (some more stricter than regulatory amounts) **[Substances subject to PRTR]** Shows substances which are handled in amounts of 1,000 kg/year or more. Substance number shows the legislative number for each of the No. 1 type chemical substances of the PRTR regulations. Removal processing amount is the amount of substances subject to PRTR which are incinerated, neutralized, broken down, put through reaction treatment, etc. within JTEKT premises. Consumed amount is the amount of substances subject to PRTR which are changed to another substance through reaction treatment, or removed from JTEKT premises in, or attached to, products. **[Target period]** April 2016 to March 2017

Kokubu Plant

No. of Employees 1,924



Production items

- All types of ball bearings
- Roller bearings
- Ultra-large bearings
- High-accuracy bearings

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	976,487
		Water consumed (1,000m ³)	414
		Chemical substances handled (t)	11.2
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	3,909
		NOx (kg)	5,741
		SOx (kg)	0
		Chemical substances released (t)	3.8
	Sewage	Wastewater (1,000m ³)	123
		COD (kg)	5,018
		Nitrogen (kg)	0
		Phosphorus (kg)	0
		Chemical substances transferred (t)	0.08
	Materials discarded	Recycled for profit (t)	3,916
		Recycled at a charge (t)	1,532
		Waste (incineration+landfill) (t)	0
	Chemical substances transferred (t)	2.2	

* Due to sewage disposal, there are no regulation values for COD, nitrogen, or phosphorus

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.2~8.8	8.1	7.4
BOD	480	140	77
SS	480	26	5.0
Oil content	4	2.8	1.1

Unit : mg/ℓ (Excluding pH)

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Boiler (Annealing furnace)	Dust	0.08	0.003
	NOx	144	34
	SOx	—	—
Boiler (Hot and cold water generator)	Dust	0.08	0.003
	NOx	120	110
	SOx	—	—

Unit : Dust= g/Nm³ NOx= ppm SOx= Value K

Noise / Vibration data

		Regulation value	Maximum	Average
Noise	Morning	64	58	52
	Afternoon	69	64	56
	Evening	64	60	51
	Night	59	59	49
Vibration	Daytime	68	54	52
	Nighttime	63	54	46

Foul odor

Measurement item	Regulation value	Measurement
Ammonia	0.8	0.77
Methanethiol	0.0016	0.0005
Trimethylamine	0.0040	0.0040

- * Malodorous substances (22 substances) were measured.
- * All items not listed were below minimum determination limit.

Substances subject to PRTR

Substance number	Chemical name	Amount handled	Amount released				Amount transferred Sewage : Waste	Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil	Waste				
1	Water-soluble zinc compounds	10,660	0	0	0	0	1,066	0	0	9,594
80	Xylene	3,167	3,167	0	0	0	0	0	0	0
412	Manganese and its compounds	2,615	0	52	0	0	941	0	0	1,621

Unit : kg/year

Kariya Plant

No. of Employees 1,373



Production items

- Machine tools
- Damper pulleys
- Machined parts

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	209,265
		Water consumed (1,000m ³)	124
		Chemical substances handled (t)	2.0
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	8,016
		NOx (kg)	228
		SOx (kg)	0
		Chemical substances released (t)	2.0
	Waterways	Wastewater (1,000m ³)	173
		COD (kg)	618
		Nitrogen (kg)	874
		Phosphorus (kg)	6
		Chemical substances transferred (t)	0
	Materials discarded	Recycled for profit (t)	401
		Recycled at a charge (t)	236
		Waste (incineration+landfill) (t)	0
	Chemical substances transferred (t)	0	

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.9~8.5	7.2	7.0
COD	19	5.5	3.8
BOD	20	9.7	5.1
SS	20	5.5	2.2
Oil content	4	0.3	0.2
Zinc	1.6	0.1	0.04

Unit : mg/ℓ (Excluding pH)

Index	Regulation value	Results	
		Maximum	Average
Soluble iron	4	0.5	0.5
Soluble manganese	1.6	0.3	0.2
Fluorine	4	0.1	0.1
Nitrogen	16.1	12.0	8.4
Phosphorus	1.5	0.1	0.1
Boron	8	0.06	0.03

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Boiler (for cafeteria use)	Dust	0.08	0
	NOx	104	57
	SOx	1.2	—
Boiler (Hot and cold water generator)	Dust	0.08	0
	NOx	104	61
	SOx	1.2	—

Unit : Dust= g/Nm³ NOx= ppm SOx=Nm³/hr

Noise / Vibration data

		Regulation value	Maximum	Average
Noise	Morning	64	56	49
	Afternoon	69	64	54
	Evening	64	62	50
	Night	59	57	49
Vibration	Daytime	68	47	33
	Nighttime	63	38	26

Foul odor

Measurement item	Regulation value	Measurement
Odor index	12	10

Substances subject to PRTR

Substance number	Chemical name	Amount handled	Amount released				Amount transferred Sewage : Waste	Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil	Waste				
300	Toluene	1,689	1,356	0	0	0	0	0	0	333

Unit : kg/year

Environmental Data by Operations Base ②

This page includes the environmental data for 2 locations, Tokushima and Okazaki, out of our 13 locations; 12 domestic plants and 1 operations center.

[Chemicals] Substances subject to PRTR **[Atmosphere]** Measured values are the maximum values **[Water quality]** pH: Hydrogen-ion concentration/ COD:Chemical oxygen demand/ BOD: Biochemical oxygen demand/ SS: Suspended solids in water/ Oil content: N-hexane extract content/ ND: Lower than determination limit/ Values in parenthesis show the daily average values **[Regulated value]** JTEKT internal standards (some more stricter than regulatory amounts) **[Substances subject to PRTR]** Shows substances which are handled in amounts of 1,000 kg/year or more. Substance number shows the legislative number for each of the No. 1 type chemical substances of the PRTR regulations. Removal processing amount is the amount of substances subject to PRTR which are incinerated, neutralized, broken down, put through reaction treatment, etc. within JTEKT premises. Consumed amount is the amount of substances subject to PRTR which are changed to another substance through reaction treatment, or removed from JTEKT premises in, or attached to, products. **[Target period]** April 2016 to March 2017

Tokushima Plant

No. of Employees 1,171



Production items

- Ball bearings
- Water pump bearings
- Cylindrical roller bearings
- Special environment bearings
- Double row angular contact ball bearings
- Hub units
- Tensioner pulleys

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	866,111
		Water consumed (1,000m ³)	885
		Chemical substances handled (t)	8.4
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	3,334
		NOx (kg)	27,729
		SOx (kg)	859
		Chemical substances released (t)	4.8
	Waterways	Wastewater (1,000m ³)	213,852
		COD (kg)	4,449
		Nitrogen (kg)	3,205
		Phosphorus (kg)	9
		Chemical substances transferred (t)	0
	Materials discarded	Recycled for profit (t)	6,822
		Recycled at a charge (t)	1,665
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (t)	0

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.9~8.5	7.2	6.6
COD	16	12.0	9.5
BOD	24	4.0	2.3
SS	2.4	1.2	1.1
Oil content	25	4.1	3.1
Zinc	2.5	0.06	0.05

Unit : mg/l (Excluding pH)

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Boiler (Absorption type cold and hot water generator)	Dust	0.24	0.01
	NOx	144	51
	SOx	16.8	0.03
Diesel engine	Dust	0.08	0.05
	NOx	902.5	762
	SOx	16.8	0.04

Unit : Dust= g/Nm³ NOx= ppm SOx= Value K

Noise / Vibration data

Index	Regulation value	Results	
		Maximum	Average
Noise	Morning	59	51
	Afternoon	64	56
	Evening	59	52
	Night	55	49
Vibration	Daytime	63	54
	Nighttime	58	45

Unit : dB

Foul odor

- Malodorous substances (22 substances) were measured.
- All items were below minimum determination limit.

Substances subject to PRTR

Substance number	Chemical name	Amount handled	Amount released				Amount transferred	Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil	Sewage				
80	Xylene	3,827	3,827	0	0	0	0	0	0	0
438	Methylnaphthalene	3,189	0	0	0	0	0	0	0	3,189

Unit : kg/year

Okazaki Plant

No. of Employees 883



Production items

- 4WD coupling
- Linear solenoid valves for AT and CVT
- Oil pumps for AT and CVT
- Propeller shafts
- Cast parts

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	751,804
		Water consumed (1,000m ³)	130
		Chemical substances handled (t)	5.5
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	3,061
		NOx (kg)	18,983
		SOx (kg)	0
		Chemical substances released (t)	3.4
	Waterways	Wastewater (1,000m ³)	44
		COD (kg)	108
		Nitrogen (kg)	242
		Phosphorus (kg)	0.46
		Chemical substances transferred (t)	0
	Materials discarded	Recycled for profit (t)	11,643
		Recycled at a charge (t)	3,425
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (t)	0

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	6.6~8.4	7.6	7.1
COD	16	4.0	3.0
BOD	16	6.9	2.7
SS	16	11.0	2.9
Oil content	1.6	0.5	0.5
Zinc	2.4	0.05	0.05

Unit : mg/l (Excluding pH)

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Electric furnace	Dust	0.12	0.004
	NOx	80	5
	SOx	6.072	—
Boiler (for air conditioning)	Dust	0.08	0.002
	NOx	104	29
	SOx	—	—
Heating furnace	Dust	0.12	0.002
	NOx	80	5
	SOx	6.072	—
Gas engine (cogeneration)	Dust	0.04	0.002
	NOx	160	38
	SOx	6.072	—

Unit : Dust= g/Nm³ NOx= ppm SOx=Nm³/hr

Noise / Vibration data

Index	Regulation value	Results	
		Maximum	Average
Noise	Morning	64	60
	Afternoon	69	58
	Evening	64	60
	Night	59	50
Vibration	Daytime	69	37
	Nighttime	64	31

Unit : dB

Foul odor

Measurement item	Regulation value	Measurement
Odor index	12	10

Substances subject to PRTR

Substance number	Chemical name	Amount handled	Amount released				Amount transferred	Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil	Sewage				
300	Toluene	3,266	2,623	0	0	0	0	0	0	643

Unit : kg/year

Environmental Data by Operations Base ③

This page includes the environmental data for 2 locations, Tokyo and Kagawa, out of our 13 locations; 12 domestic plants and 1 operations center.

[Chemicals] Substances subject to PRTR **[Atmosphere]** Measured values are the maximum values **[Water quality]** pH: Hydrogen-ion concentration/ COD:Chemical oxygen demand/ BOD: Biochemical oxygen demand/ SS: Suspended solids in water/ Oil content: N-hexane extract content/ ND: Lower than determination limit/ Values in parenthesis show the daily average values **[Regulated value]** JTEKT internal standards (some more stricter than regulatory amounts) **[Substances subject to PRTR]** Shows substances which are handled in amounts of 1,000 kg/year or more. Substance number shows the legislative number for each of the No. 1 type chemical substances of the PRTR regulations. Removal processing amount is the amount of substances subject to PRTR which are incinerated, neutralized, broken down, put through reaction treatment, etc. within JTEKT premises. Consumed amount is the amount of substances subject to PRTR which are changed to another substance through reaction treatment, or removed from JTEKT premises in, or attached to, products. **[Target period]** April 2016 to March 2017

Tokyo Plant

No. of Employees 523



Production items

- Needle roller bearings
- Constant velocity joints
- Drive shafts
- Propeller shafts

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.9~8.6	8.1	7.7
BOD	240	11	4
SS	200	61	13
Oil content	24	1.0	1.0
Nitrogen	96	23	11.9
Phosphorus	13	1.3	0.7

Unit : mg/ℓ (Excluding pH)

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Gas suction type boiler	Dust	0.08	0.005
	NOx	44	37
	SOx	0.33	0.01

Unit : Dust= g/Nm³ NOx= ppm SOx=Value K

Noise / Vibration data

Unit : dB

Index	Regulation value	Maximum	Average
Noise	Morning	59	57
	Afternoon	69	64
	Evening	59	57
	Night	54	52
Vibration	Daytime	58	49
	Nighttime	48	33

Foul odor

Measurement item	Regulation value	Measurement
Odor index	12	10

* Changed to the odor index in FY2016

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	330,717
		Water consumed (1,000m ³)	98
		Chemical substances handled (t)	12.3
	OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)
NOx (kg)			48
SOx (kg)			8
Chemical substances released (t)			4.4
Sewage		Wastewater (1,000m ³)	69
		BOD (kg)	274
		Nitrogen (kg)	840
		Phosphorus (kg)	48
		Chemical substances transferred (t)	0.38
Materials discarded		Recycled for profit (t)	3,503
		Recycled at a charge (t)	649
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (t)	2.7

* Due to sewage disposal, there are no regulation values for COD

Substances subject to PRTR

Unit : kg/year

Substance number	Chemical name	Amount handled	Amount released			Amount transferred	Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil				
1	Water-soluble zinc compounds	1,099	0	0	0	110	0	0	989
80	Xylene	1,510	1,510	0	0	0	0	0	0
300	Toluene	2,786	2,786	0	0	0	0	0	0
72	Chlorinated paraffins	5,005	0	300	0	1,602	0	0	3,103

Kagawa Plant

No. of Employees 913



Production items

- Tapered roller bearings
- Hub units

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.9~8.5	6.9	6.5
COD	40	30	18
BOD	40	36	26
SS	40	2.0	1.3
Oil content	2.4	2.0	1.4
Nitrogen	48	14	8
Phosphorus	6.4	0.4	0.1

Unit : mg/ℓ (Excluding pH)

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Boiler	Dust	0.24	0.004
	NOx	208	55
	SOx	4	0.1

Unit : Dust= g/Nm³ NOx= ppm SOx=Value K

Noise / Vibration data

Unit : dB

Index	Regulation value	Maximum	Average
Noise	Morning	64	58
	Afternoon	64	60
	Evening	64	57
	Night	59	55
Vibration	Daytime	49	28
	Nighttime	46	26

Foul odor

Unit : ppm

Measurement item	Regulation value	Measurement
Ammonia	1.2	0.18

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	995,011
		Water consumed (1,000m ³)	341
		Chemical substances handled (t)	6.0
	OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)
NOx (kg)			98
SOx (kg)			32
Chemical substances released (t)			2.8
Waterways		Wastewater (1,000m ³)	239
		COD (kg)	2,571
		Nitrogen (kg)	1,692
		Phosphorus (kg)	8
		Chemical substances transferred (t)	0.004
Materials discarded		Recycled for profit (t)	9,594
		Recycled at a charge (t)	1,150
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (t)	0.09

Substances subject to PRTR

Unit : kg/year

Substance number	Chemical name	Amount handled	Amount released			Amount transferred	Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil				
80	Xylene	2,732	2,732	0	0	0	0	0	0
438	Methylnaphthalene	2,794	14	0	0	0	0	0	2,780

Environmental Data by Operations Base ④

This page includes the environmental data for 2 locations, Nara and Higashi-kariya, out of our 13 locations; 12 domestic plants and 1 operations center.

[Chemicals] Substances subject to PRTR **[Atmosphere]** Measured values are the maximum values **[Water quality]** pH: Hydrogen-ion concentration/ COD:Chemical oxygen demand/ BOD: Biochemical oxygen demand/ SS: Suspended solids in water/ Oil content: N-hexane extract content/ ND: Lower than determination limit/ Values in parenthesis show the daily average values **[Regulated value]** JTEKT internal standards (some more stricter than regulatory amounts) **[Substances subject to PRTR]** Shows substances which are handled in amounts of 1,000 kg/year or more. Substance number shows the legislative number for each of the No. 1 type chemical substances of the PRTR regulations. Removal processing amount is the amount of substances subject to PRTR which are incinerated, neutralized, broken down, put through reaction treatment, etc. within JTEKT premises. Consumed amount is the amount of substances subject to PRTR which are changed to another substance through reaction treatment, or removed from JTEKT premises in, or attached to, products. **[Target period]** April 2016 to March 2017

Nara Plant

No. of Employees 1,840



Production items

- Electric power steering
- Electric pumps for hydraulic-electric type power steering
- Hydraulic power steering
- Manual steering

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	199,440
		Water consumed (1,000m ³)	40
		Chemical substances handled (t)	13
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	7,416
		NOx (kg)	0
		SOx (kg)	0
		Chemical substances released (t)	12.1
	Waterways	Wastewater (1,000m ³)	26
		COD (kg)	132
		Nitrogen (kg)	340
		Phosphorus (kg)	67
		Chemical substances transferred (t)	0.001
	Materials discarded	Recycled for profit (t)	1,009
		Recycled at a charge (t)	851
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (t)	0.2

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.9~8.5	7.5	7.2
COD	12	8.4	5.5
BOD	12	2.0	0.9
SS	20	5.9	0.5
Oil content	2	0	0

Unit : mg/l (Excluding pH)

Index	Regulation value	Results	
		Maximum	Average
Soluble iron	1	0.04	0.02
Soluble manganese	1	0.03	0.003
Nitrogen	40	20	14
Phosphorus	15	3.6	2.7

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
No. 1 Plant, No. 1 (Boiler)	Dust		
	NOx		
	SOx		
No. 1 Plant, No. 2 (Boiler)	Dust		
	NOx	Abolished	
	SOx		
South No. 2 Plant (Boiler)	Dust		
	NOx		
	SOx		

Unit : Dust= g/Nm³ NOx= ppm SOx= Value K

Noise / Vibration data

Unit : dB

Index	Regulation value	Maximum	Average
Noise	Morning	64	57
	Afternoon	67	59
	Evening	64	62
	Night	54	52
Vibration	Daytime	59	43
	Nighttime	54	40

Foul odor

- Malodorous substances (22 substances) were measured.
- All items were below minimum determination limit.

Substances subject to PRTR

Unit : kg/year

Substance number	Chemical name	Amount handled	Amount released			Amount transferred	Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil				
80	Xylene	9,097	9,097	0	0	0	0	0	0
300	Toluene	2,947	2,947	0	0	0	0	0	0

Higashi-kariya operations center

No. of Employees 173



Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	32,694
		Water consumed (1,000m ³)	3
		Chemical substances handled (t)	0
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	1,256
		NOx (kg)	0
		SOx (kg)	0
		Chemical substances released (t)	0
	Waterways	Wastewater (1,000m ³)	3
		COD (kg)	16.81
		Nitrogen (kg)	8.38
		Phosphorus (kg)	0.59
		Chemical substances transferred (t)	0
	Materials discarded	Recycled for profit (t)	116
		Recycled at a charge (t)	42
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (t)	0

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	6.0~8.3	7.7	7.2
COD	16	6.8	5.0
BOD	16	6.7	1.2
SS	16	1.0	1.0
Oil content	4	0.5	0.5
Zinc	2	0.1	0.1

Unit : mg/l (Excluding pH)

Index	Regulation value	Results	
		Maximum	Average
Soluble iron	4	0.1	0.1
Soluble manganese	4	0.1	0.1
Fluorine	5	0.40	0.13
Nitrogen	48	3.6	2.9
Phosphorus	6	0.2	0.1
Boron	8	0.06	0.03

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Boiler (Hot and cold water generator)	Dust		
	NOx	Abolished	
	SOx		

Unit : Dust= g/Nm³ NOx= ppm SOx=Nm³/hr

Noise / Vibration data

Unit : dB

Index	Regulation value	Maximum	Average
Noise	Morning	64	56
	Afternoon	69	58
	Evening	64	56
	Night	59	56
Vibration	Daytime	68	26
	Nighttime	63	25

Foul odor

Measurement item	Regulation value	Measurement
Odor index	12	10

Substances subject to PRTR

- No substances had handling amounts of over 1,000 kg /year

Environmental Data by Operations Base ⑤

This page includes the environmental data for 2 locations, Toyohashi and Tadamisaki, out of our 13 locations; 12 domestic plants and 1 operations center.

[Chemicals] Substances subject to PRTR **[Atmosphere]** Measured values are the maximum values **[Water quality]** pH: Hydrogen-ion concentration/ COD:Chemical oxygen demand/ BOD: Biochemical oxygen demand/ SS: Suspended solids in water/ Oil content: N-hexane extract content/ ND: Lower than determination limit/ Values in parenthesis show the daily average values **[Regulated value]** JTEKT internal standards (some more stricter than regulatory amounts) **[Substances subject to PRTR]** Shows substances which are handled in amounts of 1,000 kg/year or more. Substance number shows the legislative number for each of the No. 1 type chemical substances of the PRTR regulations. Removal processing amount is the amount of substances subject to PRTR which are incinerated, neutralized, broken down, put through reaction treatment, etc. within JTEKT premises. Consumed amount is the amount of substances subject to PRTR which are changed to another substance through reaction treatment, or removed from JTEKT premises in, or attached to, products. **[Target period]** April 2016 to March 2017

Toyohashi Plant

No. of Employees 613



Production items

- Hydraulic power steering
- Manual steering
- Safety handle column

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	6.1~8.4	7.4	7.1
COD	16	4.5	3.2
BOD	16	2.5	1.0
SS	24	2.0	1.2
Oil content	4	1.0	1.0
Nitrogen	48	8.4	4.4
Phosphorus	6	0.7	0.4

Unit : mg/ℓ (Excluding pH)

Noise / Vibration data

Index	Regulation value	Results		Unit : dB
		Maximum	Average	
Noise	Morning	60	55	54
	Afternoon	65	57	55
	Evening	64	57	55
	Night	59	57	53
Vibration	Daytime	55	37	34
	Nighttime	50	35	34

Foul odor

Measurement item	Regulation value	Measurement
Odor index	14	10

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	243,840
		Water consumed (1,000m ³)	44
		Chemical substances handled (t)	3.3
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	9,285
		NOx (kg)	804
		SOx (kg)	39
		Chemical substances released (t)	0.3
	Waterways	Wastewater (1,000m ³)	10
		COD (kg)	34
		Nitrogen (kg)	46
		Phosphorus (kg)	4
		Chemical substances transferred (t)	0.5
	Materials discarded	Recycled for profit (t)	2,047
		Recycled at a charge (t)	335
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (t)	0.3

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
No. 1 Plant (Boiler)	Dust	0.03	0.001
	NOx	120	44
	SOx	1	0.001
No. 2 Plant (Hot and cold water generator)	Dust	0.03	0.002
	NOx	120	49
	SOx	1	0.002
No. 3 Plant (Hot and cold water generator)	Dust	0.03	0.007
	NOx	120	16
	SOx	1	0.002

Unit : Dust= g/Nm³ NOx= ppm SOx= Value K

Substances subject to PRTR

Substance number	Chemical name	Amount handled	Amount released			Amount transferred	Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil				
453	Molybdenum and its compounds	2,705	0	0	0	0	0	0	2,705

Unit : kg/year

Tadamisaki Plant

No. of Employees 1,013



Production items

- Drive shafts
- 4WD coupling

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	6.0~8.8	7.5	7.3
COD	18	6.4	4.3
BOD	18	3.4	2.2
SS	24	5.0	1.8
Oil content	1.6	0.5	0.5
Zinc	0.8	0.03	0.02

Unit : mg/ℓ (Excluding pH)

Index	Regulation value	Results	
		Maximum	Average
Soluble iron	2.4	0.4	0.2
Soluble manganese	4	0.1	0.1
Fluorine	12	0.2	0.1
Nitrogen	24	7	4.7
Phosphorus	3.2	0.4	0.2
Boron	184	0.1	0.1

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	648,583
		Water consumed (1,000m ³)	158
		Chemical substances handled (t)	2.6
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	2,423
		NOx (kg)	308
		SOx (kg)	57
		Chemical substances released (t)	0.001
	Waterways	Wastewater (1,000m ³)	40
		COD (kg)	160
		Nitrogen (kg)	233
		Phosphorus (kg)	8
		Chemical substances transferred (t)	0
	Materials discarded	Recycled for profit (t)	8,598
		Recycled at a charge (t)	658
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (t)	0.06

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Boiler (Hot and cold water generator)	Dust	0.05	0.001
	NOx	104	36
	SOx	0.6	0.002
Continuous carburizing furnace	Dust	0.05	0.001
	NOx	104	1.6
	SOx	0.6	0

Unit : Dust= g/Nm³ NOx= ppm SOx=Nm³/hr

Noise / Vibration data

Index	Regulation value	Results		Unit : dB
		Maximum	Average	
Noise	Morning	69	61	58
	Afternoon	69	61	58
	Evening	69	60	58
	Night	64	59	58
Vibration	Daytime	55	43	40
	Nighttime	50	43	39

Foul odor

Measurement item	Regulation value	Measurement
Odor index	16	10

Substances subject to PRTR

Substance number	Chemical name	Amount handled	Amount released			Amount transferred	Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil				
453	Molybdenum and its compounds	1,761	0	0	0	0	0	0	1,761

Unit : kg/year

Environmental Data by Operations Base ⑥

This page includes the environmental data for 2 locations, Hanazono and Kameyama, out of our 13 locations; 12 domestic plants and 1 operations center.

[Chemicals] Substances subject to PRTR **[Atmosphere]** Measured values are the maximum values **[Water quality]** pH: Hydrogen-ion concentration/ COD:Chemical oxygen demand/ BOD: Biochemical oxygen demand/ SS: Suspended solids in water/ Oil content: N-hexane extract content/ ND: Lower than determination limit/ Values in parenthesis show the daily average values **[Regulated value]** JTEKT internal standards (some more stricter than regulatory amounts) **[Substances subject to PRTR]** Shows substances which are handled in amounts of 1,000 kg/year or more. Substance number shows the legislative number for each of the No. 1 type chemical substances of the PRTR regulations. Removal processing amount is the amount of substances subject to PRTR which are incinerated, neutralized, broken down, put through reaction treatment, etc. within JTEKT premises. Consumed amount is the amount of substances subject to PRTR which are changed to another substance through reaction treatment, or removed from JTEKT premises in, or attached to, products. **[Target period]** April 2016 to March 2017

Hanazono Plant

No. of Employees 1,296



Production items

- Electric power steering
- Hydraulic power steering pump
- Control computer

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.9~8.5	7.8	7.2
COD	8	4.3	3.2
BOD	8	3.1	1.1
SS	8	2.0	1.2
Oil content	1.6	1.0	1.0
Zinc	0.8	0.05	0.05

Unit : mg/l (Excluding pH)

Index	Regulation value	Results	
		Maximum	Average
Soluble iron	2.4	0.5	0.5
Soluble manganese	2.4	0.3	0.3
Fluorine	0.8	0.1	0.1
Nitrogen	24	17.0	8.4
Phosphorus	2.4	0.1	0.03
Boron	8.0	1.0	1.0

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	316,209
		Water consumed (1,000m ³)	70
		Chemical substances handled (t)	0.4
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	1,228
		NOx (kg)	419
		SOx (kg)	9
		Chemical substances released (t)	0.2
	Waterways	Wastewater (1,000m ³)	67
		COD (kg)	238
		Nitrogen (kg)	470
		Phosphorus (kg)	3
		Chemical substances transferred (t)	0
	Materials discarded	Recycled for profit (t)	841
		Recycled at a charge (t)	447
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (t)	0.02

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Compact once-through boiler	Dust	0.08	0.001
	NOx	100	29
	SOx	6.07	0.00
Boiler (Hot and cold water generator)	Dust	0.08	0.001
	NOx	100	49
	SOx	6.07	0.003

Unit : Dust= g/Nm³ NOx= ppm SOx=Nm³/hr

Noise / Vibration data

Unit : dB

Index	Regulation value	Maximum	Average	
Noise	Morning	74	61	55
	Afternoon	74	64	58
	Evening	74	57	52
	Night	69	56	51
Vibration	Daytime	60	30	30
	Nighttime	56	30	30

Foul odor

Measurement item	Regulation value	Measurement
Odor index	14	12

Substances subject to PRTR

* No substances had handling amounts of over 1,000 kg /year

Kameyama Plant

No. of Employees 422



Production items

- Ball bearings
- Clutch bearings
- Clutch pulleys for alternator
- Hub units

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.9~8.5	8.0	7.7
COD	8	4.0	2.3
BOD	8	2.0	1.1
SS	20	4.0	1.5
Oil content	1.0	0.5	0.5
Zinc	4	0.04	0.01

Unit : mg/l (Excluding pH)

Index	Regulation value	Results	
		Maximum	Average
Soluble iron	8	0.07	0.03
Soluble manganese	2	0.22	0.04
Fluorine	5	0.1	0.1
Nitrogen	50	25.0	17.4
Phosphorus	1	0.5	0.14
Boron	8	0.11	0.06

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	231,615
		Water consumed (1,000m ³)	35
		Chemical substances handled (t)	1.9
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	8,818
		NOx (kg)	118
		SOx (kg)	168
		Chemical substances released (t)	0.3
	Waterways	Wastewater (1,000m ³)	18
		COD (kg)	36
		Nitrogen (kg)	315
		Phosphorus (kg)	2
		Chemical substances transferred (t)	0
	Materials discarded	Recycled for profit (t)	768
		Recycled at a charge (t)	201
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (t)	1.6

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
No. 1 Plant (Boiler)	Dust	0.1	0.007
	NOx	150	28
	SOx	1.65	0.06

Unit : Dust= g/Nm³ NOx= ppm SOx=Nm³/hr

Noise / Vibration data

Unit : dB

Index	Regulation value	Maximum	Average	
Noise	Morning	60	56	55
	Afternoon	60	58	55
	Evening	60	53	52
	Night	55	50	49
Vibration	Daytime	58	33.3	32
	Nighttime	48	35	34

Foul odor

- * Malodorous substances (22 substances) were measured.
- * All items were below minimum determination limit.

Substances subject to PRTR

* No substances had handling amounts of over 1,000 kg /year

Environmental Data by Operations Base ⑦

This page includes the environmental data for Sayama Plant out of our 13 locations; 12 domestic plants and 1 operations center.

[Chemicals] Substances subject to PRTR **[Atmosphere]** Measured values are the maximum values **[Water quality]** pH: Hydrogen-ion concentration/ COD:Chemical oxygen demand/ BOD: Biochemical oxygen demand/ SS: Suspended solids in water/ Oil content: N-hexane extract content/ ND: Lower than determination limit/ Values in parenthesis show the daily average values **[Regulated value]** JTEKT internal standards (some more stricter than regulatory amounts) **[Substances subject to PRTR]** Shows substances which are handled in amounts of 1,000 kg/year or more. Substance number shows the legislative number for each of the No. 1 type chemical substances of the PRTR regulations. Removal processing amount is the amount of substances subject to PRTR which are incinerated, neutralized, broken down, put through reaction treatment, etc. within JTEKT premises. Consumed amount is the amount of substances subject to PRTR which are changed to another substance through reaction treatment, or removed from JTEKT premises in, or attached to, products. **[Target period] April 2016 to March 2017**

Sayama Plant

No. of Employees 172



Production items

- TORSEN

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.2~8.8	7.7	7
Oil content	4	ND	ND
Nitrogen	192	36	32
Phosphorus	25.6	ND	ND

Unit : mg/l (Excluding pH)

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
No. 1 Plant (Boiler)	Dust	0.08	0.001
	NOx	120	65
	SOx	0.52	0

Unit : Dust= g/Nm³ NOx= ppm SOx=Nm³/hr

Noise / Vibration data

Index	Regulation value	Maximum	Average	Unit : dB
Noise	Morning	64	62	58
	Afternoon	69	61	58
	Evening	64	61	56
	Night	59	57	53
Vibration	Daytime	Unmeasured		
	Nighttime	Unmeasured		

Foul odor

* Vibration and foul odor have not been measured as they occur in regions outside of the regions covered by regulations

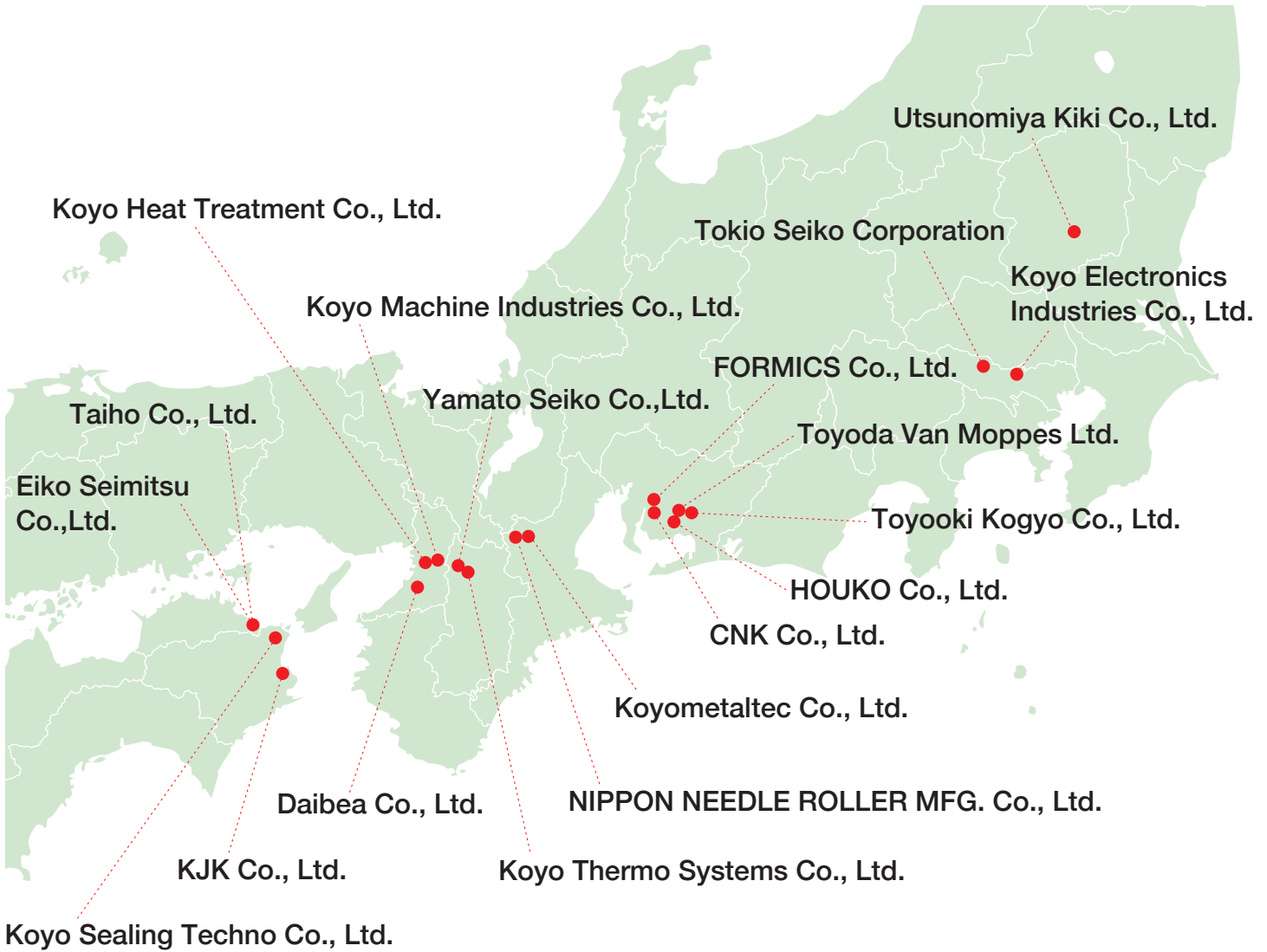
Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	32,124
		Water consumed (1,000m ³)	5
		Chemical substances handled (t)	0.000
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	1,205
		NOx (kg)	31
		SOx (kg)	0
		Chemical substances released (t)	—
	Waterways	Wastewater (1,000m ³)	3
		COD (kg)	9
		Nitrogen (kg)	97
		Phosphorus (kg)	0.30
		Chemical substances transferred (t)	—
	Materials discarded	Recycled for profit (t)	656
Recycled at a charge (t)		81	
Waste (incineration+landfill) (t)		0	
Chemical substances transferred (t)		—	

Substances subject to PRTR

* No substances had handling amounts of over 1,000 kg /year

Global business sites [Domestic group production companies]



Koyo Machine Industries Co., Ltd.

Classification		Volume
INPUT	Energy Consumption (GJ)	236,363
	Water consumed (1,000m ³)	42.7
	Chemical substances handled (t)	9.6
Atmosphere	Greenhouse gases (1,000t-CO ₂)	9.0
	Chemical substances released (t)	8.6
Public water area	Chemical substances transferred (t)	0
	Recycled for profit (1,000t)	2.2
Materials Discarded	Waste output (1,000t)	0.9
	Chemical substances transferred (t)	1.0

Koyo Sealing Techno Co., Ltd.

Classification		Volume
INPUT	Energy Consumption (GJ)	142,231
	Water consumed (1,000m ³)	125.4
	Chemical substances handled (t)	0.0
Atmosphere	Greenhouse gases (1,000t-CO ₂)	6.0
	Chemical substances released (t)	0
Public water area	Chemical substances transferred (t)	0
	Recycled for profit (1,000t)	0.3
Materials Discarded	Waste output (1,000t)	0.1
	Chemical substances transferred (t)	0

Koyo Thermo Systems Co., Ltd.

Classification		Volume
INPUT	Energy Consumption (GJ)	59,851
	Water consumed (1,000m ³)	13.2
	Chemical substances handled (t)	0.4
Atmosphere	Greenhouse gases (1,000t-CO ₂)	2.4
	Chemical substances released (t)	0.4
Public water area	Chemical substances transferred (t)	0
	Recycled for profit (1,000t)	0.1
Materials Discarded	Waste output (1,000t)	0.1
	Chemical substances transferred (t)	0

Daibea Co., Ltd.

Classification		Volume
INPUT	Energy Consumption (GJ)	292,949
	Water consumed (1,000m ³)	57.5
	Chemical substances handled (t)	1.6
Atmosphere	Greenhouse gases (1,000t-CO ₂)	11.3
	Chemical substances released (t)	0.9
Public water area	Chemical substances transferred (t)	0
	Recycled for profit (1,000t)	0.6
Materials Discarded	Waste output (1,000t)	0.8
	Chemical substances transferred (t)	0

Koyometaltec Co., Ltd.

Classification		Volume
INPUT	Energy Consumption (GJ)	534,771
	Water consumed (1,000m ³)	104.4
	Chemical substances handled (t)	0
Atmosphere	Greenhouse gases (1,000t-CO ₂)	20.8
	Chemical substances released (t)	0
Public water area	Chemical substances transferred (t)	0
	Recycled for profit (1,000t)	12.4
Materials Discarded	Waste output (1,000t)	0.5
	Chemical substances transferred (t)	0

KJK Co., Ltd.

Classification		Volume
INPUT	Energy Consumption (GJ)	71,318
	Water consumed (1,000m ³)	2.1
	Chemical substances handled (t)	0
Atmosphere	Greenhouse gases (1,000t-CO ₂)	2.7
	Chemical substances released (t)	0
Public water area	Chemical substances transferred (t)	0
	Recycled for profit (1,000t)	4.0
Materials Discarded	Waste output (1,000t)	0.01
	Chemical substances transferred (t)	0

NIPPON NEEDLE ROLLER MFG. Co., Ltd.

Classification		Volume
INPUT	Energy Consumption (GJ)	73,312
	Water consumed (1,000m ³)	41.4
	Chemical substances handled (t)	0
Atmosphere	Greenhouse gases (1,000t-CO ₂)	2.9
	Chemical substances released (t)	0
Public water area	Chemical substances transferred (t)	0
	Recycled for profit (1,000t)	0.1
Materials Discarded	Waste output (1,000t)	0.6
	Chemical substances transferred (t)	0

Koyo Heat Treatment Co., Ltd.

Classification		Volume
INPUT	Energy Consumption (GJ)	370,104
	Water consumed (1,000m ³)	32.8
	Chemical substances handled (t)	0
Atmosphere	Greenhouse gases (1,000t-CO ₂)	15.7
	Chemical substances released (t)	0
Public water area	Chemical substances transferred (t)	0
	Recycled for profit (1,000t)	0.3
Materials Discarded	Waste output (1,000t)	0.04
	Chemical substances transferred (t)	0

Taiho Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	87,231	
	Water consumed (1,000m ³)	5.9	
	Chemical substances handled (t)	0	
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	3.3
		Chemical substances released (t)	0
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (1,000t)	4.5
	Materials Discarded	Waste output (1,000t)	0.03
		Chemical substances transferred (t)	0

Yamato Seiko Co.,Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	48,082	
	Water consumed (1,000m ³)	2.6	
	Chemical substances handled (t)	0	
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	2.0
		Chemical substances released (t)	0
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (1,000t)	0.02
	Materials Discarded	Waste output (1,000t)	0.1
		Chemical substances transferred (t)	0

Eiko Seimitsu Co.,Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	24,013	
	Water consumed (1,000m ³)	3.4	
	Chemical substances handled (t)	0	
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	1.0
		Chemical substances released (t)	0
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (1,000t)	0.5
	Materials Discarded	Waste output (1,000t)	0
		Chemical substances transferred (t)	0

Toyooki Kogyo Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	96,649	
	Water consumed (1,000m ³)	16.2	
	Chemical substances handled (t)	7.9	
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	3.7
		Chemical substances released (t)	7.9
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (1,000t)	0.4
	Materials Discarded	Waste output (1,000t)	0.2
		Chemical substances transferred (t)	0

CNK Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	246,492	
	Water consumed (1,000m ³)	45.7	
	Chemical substances handled (t)	17.1	
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	9.7
		Chemical substances released (t)	17.1
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (1,000t)	0.1
	Materials Discarded	Waste output (1,000t)	0.5
		Chemical substances transferred (t)	0

Koyo Electronics Industries Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	35,619	
	Water consumed (1,000m ³)	10.7	
	Chemical substances handled (t)	0.3	
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	1.4
		Chemical substances released (t)	0.1
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (1,000t)	0.05
	Materials Discarded	Waste output (1,000t)	0.02
		Chemical substances transferred (t)	0

Utsunomiya Kiki Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	139,253	
	Water consumed (1,000m ³)	70.9	
	Chemical substances handled (t)	0	
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	5.2
		Chemical substances released (t)	0
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (1,000t)	3.1
	Materials Discarded	Waste output (1,000t)	0.2
		Chemical substances transferred (t)	0

HOUKO Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	38,625	
	Water consumed (1,000m ³)	3.3	
	Chemical substances handled (t)	10.4	
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	1.5
		Chemical substances released (t)	10.4
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (1,000t)	0.2
	Materials Discarded	Waste output (1,000t)	0.04
		Chemical substances transferred (t)	0

Toyota Van Moppes Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	27,025	
	Water consumed (1,000m ³)	8.2	
	Chemical substances handled (t)	2.8	
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	1.0
		Chemical substances released (t)	2.3
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (1,000t)	0.1
	Materials Discarded	Waste output (1,000t)	0.1
		Chemical substances transferred (t)	0

FORMICS Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	13,955	
	Water consumed (1,000m ³)	1.6	
	Chemical substances handled (t)	3.5	
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	0.5
		Chemical substances released (t)	3.5
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (1,000t)	0.7
	Materials Discarded	Waste output (1,000t)	0.03
		Chemical substances transferred (t)	0

Tokio Seiko Corporation

Classification		Volume	
INPUT	Energy Consumption (GJ)	23,174	
	Water consumed (1,000m ³)	1.3	
	Chemical substances handled (t)	0	
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	0.9
		Chemical substances released (t)	0
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (1,000t)	0.7
	Materials Discarded	Waste output (1,000t)	0
		Chemical substances transferred (t)	0

Domestic group Total

Classification		Volume	
INPUT	Energy Consumption (GJ)	2,561,017	
	Water consumed (1,000m ³)	589	
	Per base unit (1,000m ³ /100 million yen)	0.62	
	Chemical substances handled (t)	54	
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	101
		Per base unit (t-CO ₂ /100 million yen)	106
	Public water area	Chemical substances released (t)	51
		Chemical substances transferred (t)	0
	Materials Discarded	Recycled for profit (1,000t)	30
		Waste output (1,000t)	4
		Waste intensity (t/100 million yen)	4.5
	Chemical substances transferred (t)	1.0	

* Emissions = Amount of recyclables sold + amount of waste disposed
 * Includes chemical substances subject to PRTR which have a handling amount of 1000 kg/year or more.

Global business sites [North America/South America]



JATV
(JTEKT AUTOMOTIVE TENNESSEE-VONORE, LLC)

Classification		Volume
INPUT	Energy Consumption (GJ)	346,328
	Water consumed (1,000m ³)	59.1
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	20.8
	Materials Discarded Recycled for profit (1,000t)	3.2
	Waste output (1,000t)	2.5

JATM
(JTEKT AUTOMOTIVE TENNESSEE-MORRISTOWN, INC.)

Classification		Volume
INPUT	Energy Consumption (GJ)	643,104
	Water consumed (1,000m ³)	107.7
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	37.3
	Materials Discarded Recycled for profit (1,000t)	2.9
	Waste output (1,000t)	1.9

JATX
(JTEKT AUTOMOTIVE TEXAS, L.P.)

Classification		Volume
INPUT	Energy Consumption (GJ)	105,621
	Water consumed (1,000m ³)	9.8
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	6.4
	Materials Discarded Recycled for profit (1,000t)	1.2
	Waste output (1,000t)	0.7

KBNA
(KOYO BEARINGS NORTH AMERICA LLC)

Classification		Volume
INPUT	Energy Consumption (GJ)	2,223,428
	Water consumed (1,000m ³)	595.7
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	138.1
	Materials Discarded Recycled for profit (1,000t)	19.2
	Waste output (1,000t)	6.3

JASC
(JTEKT AUTOMOTIVE SOUTH CAROLINA, INC.)

Classification		Volume
INPUT	Energy Consumption (GJ)	107,700
	Water consumed (1,000m ³)	5.5
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	6.5
	Materials Discarded Recycled for profit (1,000t)	2.5
	Waste output (1,000t)	0.2

KBCA
(KOYO BEARINGS CANADA INC.)

Classification		Volume
INPUT	Energy Consumption (GJ)	210,519
	Water consumed (1,000m ³)	30.7
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	6.1
	Materials Discarded Recycled for profit (1,000t)	0.1
	Waste output (1,000t)	2.7

JABR
(JTEKT AUTOMOTIVA BRASIL LTDA.)

Classification		Volume
INPUT	Energy Consumption (GJ)	88,604
	Water consumed (1,000m ³)	10.1
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	0.9
	Materials Discarded Recycled for profit (1,000t)	1.0
	Waste output (1,000t)	0.3

JAAR
(JTEKT AUTOMOTIVE ARGENTINA S.A.)

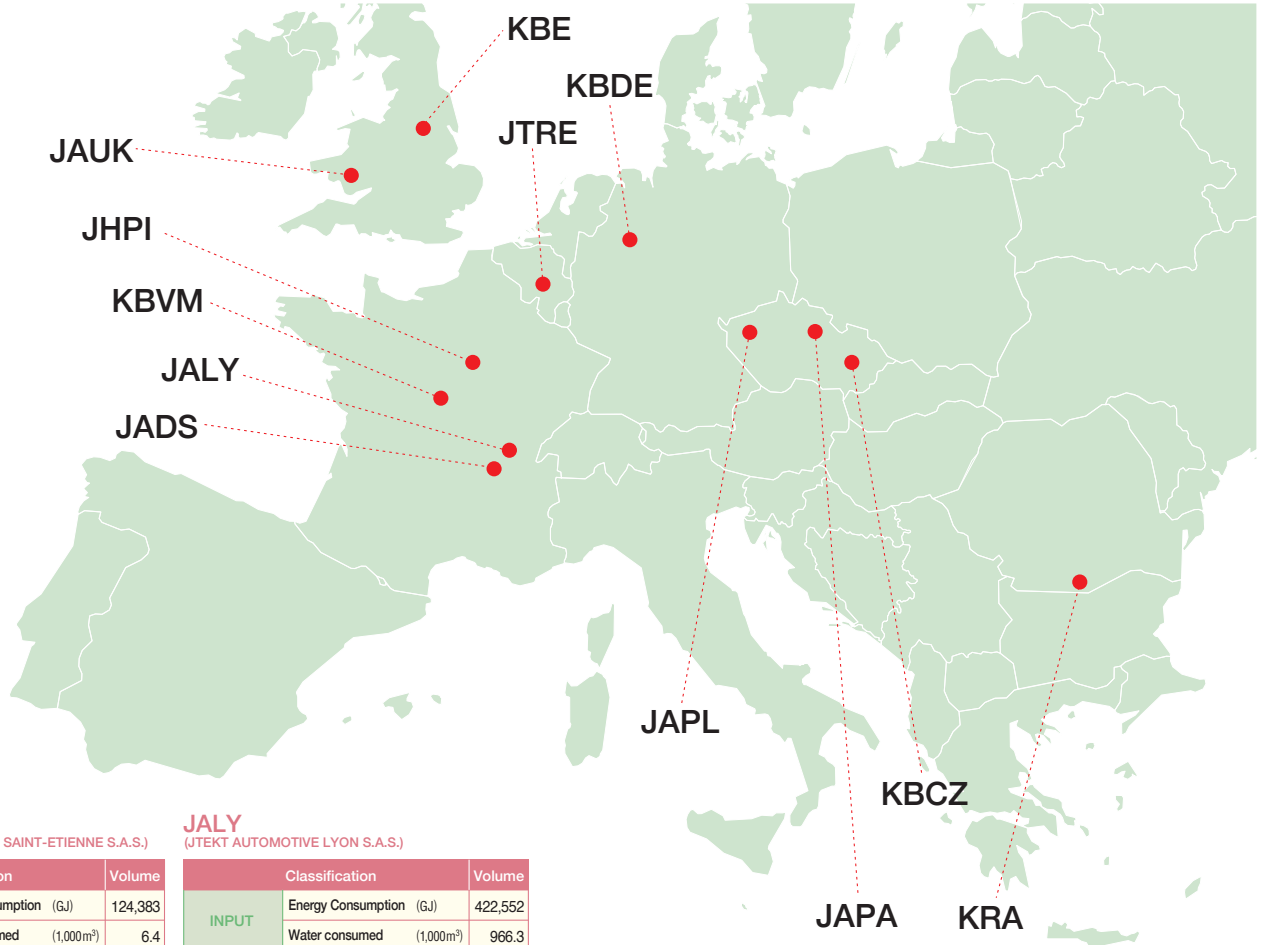
Classification		Volume
INPUT	Energy Consumption (GJ)	33,766
	Water consumed (1,000m ³)	0.0
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	1.2
	Materials Discarded Recycled for profit (1,000t)	0
	Waste output (1,000t)	0

North America / South America group Total

Classification		Volume
INPUT	Energy Consumption (GJ)	3,759,071
	Water consumed (1,000m ³)	819
	Per base unit (1,000m ³ /100 million yen)	0.9
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	217
	Per base unit (t-CO ₂ /100 million yen)	280
	Materials Discarded Recycled for profit (1,000t)	30
	Waste output (1,000t)	14.6
	Waste intensity (t/100 million yen)	16.7

* Emissions = Amount of recyclables sold + amount of waste disposed

Global business sites [Europe]



JADS
(JTEKT AUTOMOTIVE DIJON SAINT-ETIENNE S.A.S.)

Classification		Volume
INPUT	Energy Consumption (GJ)	124,383
	Water consumed (1,000m ³)	6.4
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	1.0
	Materials Recycled for profit (1,000t)	0.9
	Discarded Waste output (1,000t)	1.2

JALY
(JTEKT AUTOMOTIVE LYON S.A.S.)

Classification		Volume
INPUT	Energy Consumption (GJ)	422,552
	Water consumed (1,000m ³)	966.3
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	6.6
	Materials Recycled for profit (1,000t)	1.8
	Discarded Waste output (1,000t)	2.2

JHPI
(JTEKT HPI S.A.S.)

Classification		Volume
INPUT	Energy Consumption (GJ)	110,819
	Water consumed (1,000m ³)	8.9
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	2.2
	Materials Recycled for profit (1,000t)	0.2
	Discarded Waste output (1,000t)	0.2

JAUUK
(JTEKT AUTOMOTIVE UK LTD.)

Classification		Volume
INPUT	Energy Consumption (GJ)	23,916
	Water consumed (1,000m ³)	1.5
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	1.1
	Materials Recycled for profit (1,000t)	0.4
	Discarded Waste output (1,000t)	0.1

KBVM
(KOYO BEARINGS VIERZON MAROMME SAS)

Classification		Volume
INPUT	Energy Consumption (GJ)	188,195
	Water consumed (1,000m ³)	14.3
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	3.1
	Materials Recycled for profit (1,000t)	1.8
	Discarded Waste output (1,000t)	2.1

KBE
(KOYO BEARINGS (EUROPE) LTD.)

Classification		Volume
INPUT	Energy Consumption (GJ)	185,156
	Water consumed (1,000m ³)	12.3
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	8.9
	Materials Recycled for profit (1,000t)	2.9
	Discarded Waste output (1,000t)	1.1

JAPL
(JTEKT AUTOMOTIVE CZECH PLZEN,S.R.O.)

Classification		Volume
INPUT	Energy Consumption (GJ)	80,846
	Water consumed (1,000m ³)	9.9
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	4.5
	Materials Recycled for profit (1,000t)	0.6
	Discarded Waste output (1,000t)	0.4

KBCZ
(KOYO BEARINGS CESKA REPUBLIKA S.R.O.)

Classification		Volume
INPUT	Energy Consumption (GJ)	105,146
	Water consumed (1,000m ³)	7.9
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	5.9
	Materials Recycled for profit (1,000t)	0.7
	Discarded Waste output (1,000t)	0.8

JAPA
(JTEKT AUTOMOTIVE CZECH PARDUBICE, S.R.O.)

Classification		Volume
INPUT	Energy Consumption (GJ)	190,787
	Water consumed (1,000m ³)	12.1
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	9.9
	Materials Recycled for profit (1,000t)	0.8
	Discarded Waste output (1,000t)	1.6

JTRE
(JTEKT TORSSEN EUROPE S.A.)

Classification		Volume
INPUT	Energy Consumption (GJ)	89,254
	Water consumed (1,000m ³)	4.7
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	2.7
	Materials Recycled for profit (1,000t)	1.7
	Discarded Waste output (1,000t)	0.9

KRA
(KOYO ROMANIA S.A.)

Classification		Volume
INPUT	Energy Consumption (GJ)	692,870
	Water consumed (1,000m ³)	190.6
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	29.2
	Materials Recycled for profit (1,000t)	10.9
	Discarded Waste output (1,000t)	0.5

KBDE
(KOYO BEARINGS DEUTSCHLAND GMBH)

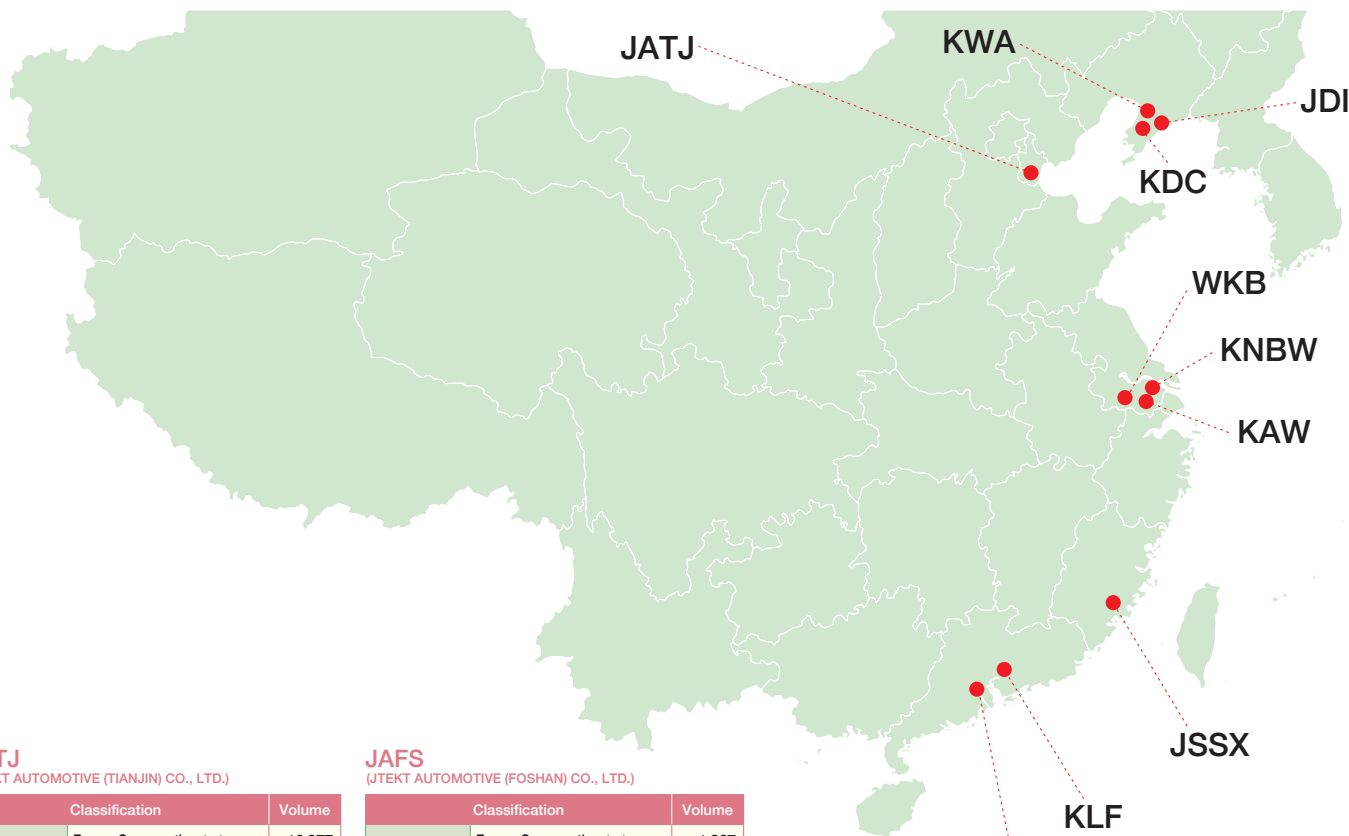
Classification		Volume
INPUT	Energy Consumption (GJ)	178,872
	Water consumed (1,000m ³)	76.7
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	9.1
	Materials Recycled for profit (1,000t)	2.4
	Discarded Waste output (1,000t)	1.1

Europe group Total

Classification		Volume
INPUT	Energy Consumption (GJ)	2,392,796
	Water consumed (1,000m ³)	1,312
	Per base unit (1,000m ³ /100 million yen)	1.7
OUTPUT	Atmosphere Greenhouse gases (1,000t-CO ₂)	84
	Per base unit (t-CO ₂ /100 million yen)	111
	Materials Recycled for profit (1,000t)	25
	Discarded Waste output (1,000t)	12
	Waste intensity (t/100 million yen)	16.0

* Emissions = Amount of recyclables sold + amount of waste disposed

Global business sites [China]



JATJ
(JTEKT AUTOMOTIVE (TIANJIN) CO., LTD.)

		Classification	Volume
INPUT		Energy Consumption (GJ)	16,377
		Water consumed (1,000m ³)	6.0
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	1.2
	Materials Discarded	Recycled for profit (1,000t)	0.2
		Waste output (1,000t)	0.03

JAFS
(JTEKT AUTOMOTIVE (FOSHAN) CO., LTD.)

		Classification	Volume
INPUT		Energy Consumption (GJ)	1,367
		Water consumed (1,000m ³)	1.6
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	0.1
	Materials Discarded	Recycled for profit (1,000t)	0
		Waste output (1,000t)	0

JSSX
(JTEKT STEERING SYSTEMS (XIAMEN) CO., LTD.)

		Classification	Volume
INPUT		Energy Consumption (GJ)	107,707
		Water consumed (1,000m ³)	42.8
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	8.0
	Materials Discarded	Recycled for profit (1,000t)	0.5
		Waste output (1,000t)	0.01

WKB
(WUXI KOYO BEARING CO., LTD.)

		Classification	Volume
INPUT		Energy Consumption (GJ)	49,449
		Water consumed (1,000m ³)	10.9
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	3.6
	Materials Discarded	Recycled for profit (1,000t)	0.0
		Waste output (1,000t)	0.1

KWA
(DALIAN KOYO WAZHOU AUTOMOBILE BEARING CO., LTD.)

		Classification	Volume
INPUT		Energy Consumption (GJ)	41,052
		Water consumed (1,000m ³)	13.2
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	3.0
	Materials Discarded	Recycled for profit (1,000t)	0.5
		Waste output (1,000t)	0.5

KDC
(KOYO BEARING DALIAN CO., LTD.)

		Classification	Volume
INPUT		Energy Consumption (GJ)	98,772
		Water consumed (1,000m ³)	19.7
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	7.3
	Materials Discarded	Recycled for profit (1,000t)	0
		Waste output (1,000t)	0.1

KLF
(KOYO LIHO (FOSHAN) AUTOMOTIVE PARTS CO., LTD.)

		Classification	Volume
INPUT		Energy Consumption (GJ)	148,220
		Water consumed (1,000m ³)	46.3
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	11.0
	Materials Discarded	Recycled for profit (1,000t)	2.7
		Waste output (1,000t)	0.2

KAW
(KOYO AUTOMOTIVE PARTS (WUXI) CO., LTD.)

		Classification	Volume
INPUT		Energy Consumption (GJ)	162,590
		Water consumed (1,000m ³)	25.5
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	11.9
	Materials Discarded	Recycled for profit (1,000t)	0.2
		Waste output (1,000t)	0.3

JDI
(JTEKT DALIAN INNOVATION AUTOMOTIVE CO., LTD.)

		Classification	Volume
INPUT		Energy Consumption (GJ)	11,709
		Water consumed (1,000m ³)	8.8
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	0.9
	Materials Discarded	Recycled for profit (1,000t)	0.7
		Waste output (1,000t)	0.01

KNBW
(KOYO NEEDLE BEARINGS (WUXI) CO., LTD.)

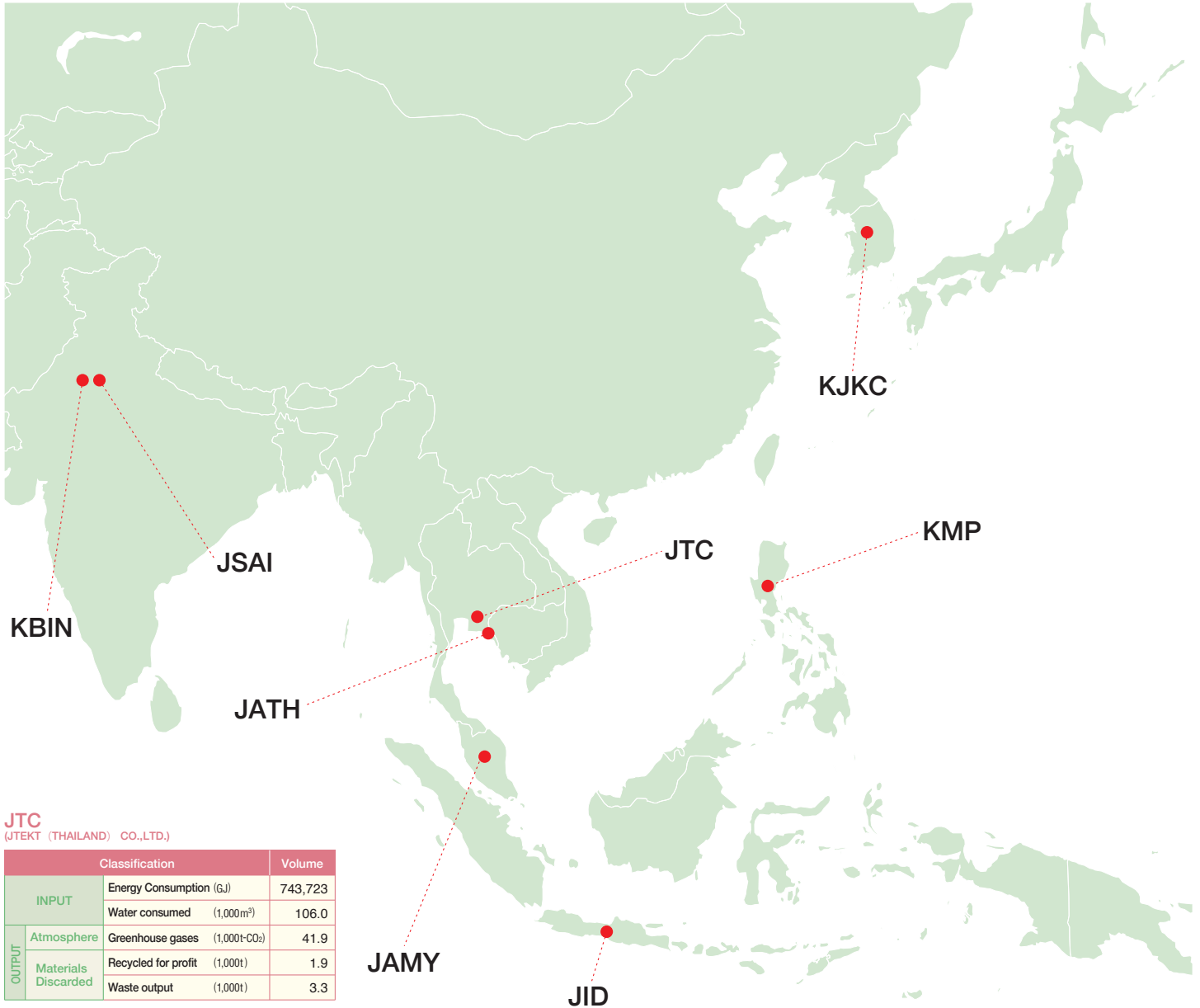
		Classification	Volume
INPUT		Energy Consumption (GJ)	137,267
		Water consumed (1,000m ³)	26.1
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	10.2
	Materials Discarded	Recycled for profit (1,000t)	0.2
		Waste output (1,000t)	0.3

China group Total

		Classification	Volume
INPUT		Energy Consumption (GJ)	774,511
		Water consumed (1,000m ³)	201
		Per base unit (1,000m ³ /100 million yen)	0.67
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	57.1
		Per base unit (t-CO ₂ /100 million yen)	190
	Materials Discarded	Recycled for profit (1,000t)	5.0
		Waste output (1,000t)	1.5
		Waste intensity (t/100 million yen)	5.0

* Emissions = Amount of recyclables sold + amount of waste disposed

Global business sites [Asia/Oceania]



JTC
(JTEKT (THAILAND) CO.,LTD.)

		Classification	Volume
INPUT		Energy Consumption (GJ)	743,723
		Water consumed (1,000m ³)	106.0
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	41.9
	Materials Discarded	Recycled for profit (1,000t)	1.9
		Waste output (1,000t)	3.3

JATH
(JTEKT AUTOMOTIVE (THAILAND) CO.,LTD.)

		Classification	Volume
INPUT		Energy Consumption (GJ)	255,990
		Water consumed (1,000m ³)	73.5
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	14.4
	Materials Discarded	Recycled for profit (1,000t)	2.7
		Waste output (1,000t)	1.7

JSAI
(JTEKT SONA AUTOMOTIVE INDIA LTD.)

		Classification	Volume
INPUT		Energy Consumption (GJ)	31,248
		Water consumed (1,000m ³)	18.2
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	2.9
	Materials Discarded	Recycled for profit (1,000t)	0.1
		Waste output (1,000t)	0

KJJC
(KOYO JICO KOREA CO., LTD.)

		Classification	Volume
INPUT		Energy Consumption (GJ)	20,034
		Water consumed (1,000m ³)	2.3
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	1.0
	Materials Discarded	Recycled for profit (1,000t)	0.01
		Waste output (1,000t)	0.1

JAMY
(JTEKT AUTOMOTIVE (MALAYSIA) SDN. BHD.)

		Classification	Volume
INPUT		Energy Consumption (GJ)	82,901
		Water consumed (1,000m ³)	17.8
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	4.5
	Materials Discarded	Recycled for profit (1,000t)	0
		Waste output (1,000t)	0.2

KBIN
(KOYO BEARINGS INDIA PVT. LTD.)

		Classification	Volume
INPUT		Energy Consumption (GJ)	77,155
		Water consumed (1,000m ³)	12.9
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	7.1
	Materials Discarded	Recycled for profit (1,000t)	0.8
		Waste output (1,000t)	0.1

KMP
(KOYO MANUFACTURING (PHILIPPINES) CORPORATION)

		Classification	Volume
INPUT		Energy Consumption (GJ)	100,451
		Water consumed (1,000m ³)	21.5
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	5.4
	Materials Discarded	Recycled for profit (1,000t)	0.1
		Waste output (1,000t)	0.4

JID
(PT.JTEKT INDONESIA)

		Classification	Volume
INPUT		Energy Consumption (GJ)	80,106
		Water consumed (1,000m ³)	22.6
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	5.9
	Materials Discarded	Recycled for profit (1,000t)	0.8
		Waste output (1,000t)	0.3

Asia/Oceania group Total

		Classification	Volume
INPUT		Energy Consumption (GJ)	1,391,608
		Water consumed (1,000m ³)	275
		Per base unit (1,000m ³ /100 million yen)	0.69
OUTPUT	Atmosphere	Greenhouse gases (1,000t-CO ₂)	83
		Per base unit (t-CO ₂ /100 million yen)	201
	Materials Discarded	Recycled for profit (1,000t)	6.5
		Waste output (1,000t)	6.1
		Waste intensity (t/100 million yen)	15.1

* Emissions = Amount of recyclables sold + amount of waste disposed