

Environmental Data

Global Warming Prevention

GHG Emissions Report Based on GHG Protocol Standards

★ Indicators assured by third party

Indicator		FY2017 (*1)	FY2018	FY2019	FY2020
Upstream (Scope 3) [ktons-CO ₂]					
	Purchased goods and services	2,169	1,840	1,436	1,104*
	Capital goods	13	6	9	15
	Fuel and energy-related activities not included in Scopes 1 and 2	72	71	133	99
	Transportation and distribution (Upstream)	80	69	64	53
	Waste generated in operations	7	5	N/A	N/A
	Business travel	86	93	155	27
	Employee commuting	69	68	52	89
	Leased assets (Upstream)	288	281	115	88
Reporting company (Scope 1, 2) [ktons-CO ₂]					
	Direct emissions (Scope1)	198	147	87	75*
	Indirect emissions from energy sources (Scope2)	939 (*2)	808 (*2)	715 (*2)	583* (*2)
		912 (*3)	771 (*3)	663 (*3)	540* (*3)
Downstream (Scope 3) [ktons-CO ₂]					
	Transportation and distribution (Downstream)	N/A (*4)	N/A	N/A	N/A
	Processing of sold products	27	23	14	12
	Use of sold products	3,460	3,649	3,791	3,094*
	End-of-life treatment of sold products	N/A	N/A	N/A	N/A
	Leased assets (Downstream)	N/A	N/A	N/A	N/A
	Franchises	N/A	N/A	N/A	N/A
	Investment	N/A	N/A	N/A	N/A

- *1 Estimate on not applicable and other items
- Transportation and distribution (downstream): 6 ktons-CO₂.
 - Disposal of products sold: 1 ktons-CO₂.

*2 Location-based

*3 Market-based

*4 N/A : Not Applicable

Environmental Data

Material Balance

INPUT

Stage		Unit	FY2017	FY2018	FY2019	FY2020
Development / Design Planning / Design	Raw Materials					
	Metal	ktons	16	15	19	12
	Plastic	ktons	9	7	7	5
	Others	ktons	13	12	13	9
	Chemical Substances *1					
	VOC	ktons	1.3	1.1	0.6	0.3
	PRTR	ktons	9.5	10.4	9.6	9.8
	Water					
	Water usage	Mm ³	15.54	13.83	9.91	6.67*
	Energy					
	Total	PJ	19.25	17.35	16.30	13.78*
	Purchased electricity	GWh	1,800	1,614	1,477	1,240
	Heavy oil, kerosene, etc.	kL	10,100	6,822	3,570	2,898
	LPG, LNG	tons	2,954	2,222	2,115	2,078
Natural gas, city gas	Mm ³	29.76	28.01	28.93	25.24	
District heating and cooling	TJ	43	41	37	52	
Distribution / Sales	Energy					
	Fuel (light oil, gasoline, etc.)	PJ	1.18	1.02	0.95	0.77
Use of sold Products	Energy					
	Electricity	GWh (PJ)	6,680 (66.60)	7,356 (73.34)	8,224 (81.99)	6,970 (69.49)
Collection / Reuse / Recycling	Resources recycling rate	%	91.5	91.7	91.1	91.6
	Amount processed	tons	3,844	3,436	3,210	2,991

OUTPUT

Stage	Unit	FY2017	FY2018	FY2019	FY2020	
Development / Design Planning / Design	Raw Materials					
	CO ₂ emissions	ktons-CO ₂	520	410	450	310
	Chemical Substances (*1)					
	VOC	tons	228	178	161	135★
	PRTR	tons	10	9	8	6★
	Atmospheric Release					
	Total GHG emissions	ktons-CO ₂	1,137	955	802	658★
	CO ₂	ktons-CO ₂	1,040	895	795	653★
	GHG other than CO ₂ (PFCs, HFCs, SF ₆ , others)	ktons-CO ₂	97	60	7	5★
	NOx	tons	63	32	47	26
	SOx	tons	11	4	1	1
	Water Discharge					
	Total	Million m ³	14.61	12.65	9.06	6.48
	BOD	tons	290	270	274	303
	COD	tons	94	55	35	9
	Waste					
	Amount of Waste Generated	ktons	21.9	19.0	15.7	11.0★
Thermal recycling volume	Ktons	4.8	4.0	3.0	1.7★	
Material recycling volume	ktons	16.0	14.3	12.0	8.8★	
Disposal volume	ktons	1.1	0.7	0.6	0.5★	
Distribution / Sales	Atmospheric Release					
	CO ₂	ktons-CO ₂	76	69	64	53
Use of sold Products	Atmospheric Release					
	CO ₂	Million tons-CO ₂	3.46	3.65	3.79	3.09★

★ Indicators assured by third party

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

Environmental Data

Environmental Performance Data Calculation Standards

- Applicable Period: April 1, 2020 – March 31, 2021

Fujitsu Group Environmental Action Plan (Stage IX)

Boundary : Refer to 5 -3 -3 in this Book

Target Item	Indicator	Unit	Calculation Method
Reduce greenhouse gas (GHG) emissions from business sites by 14% or more (compared to FY 2013), and reduce GHG emissions by 2.1% or more, year-on-year, through voluntary efforts.	GHG emissions	tons-CO ₂	<ul style="list-style-type: none"> • Amount of CO₂ emissions: $\Sigma [(fuel\ oil, gas\ annual\ usage) \times CO_2\ conversion\ factor\ for\ each\ type\ of\ energy^*]$ * CO₂ conversion factor: Conversion factor based on the Act on Promotion of Global Warming Countermeasures • Location-based: <ul style="list-style-type: none"> • Japan: Usage of 0.444 tons-CO₂/MWh in FY 2020 (Source: Adjusted emission factors from the Electric Power Council for a Low Carbon Society) • Overseas: Latest IEA value (by country) • Market-based: <ul style="list-style-type: none"> • Japan: FY 2019 emission factors for each power producer are used (adjusted emission factors) (Source: GHG Emissions Accounting, Reporting, and Disclosure System List of Emission Factors by Power Producer) • Overseas: Value of the power company or the latest IEA value (by country)
	Rate of reduction of GHG due to voluntary efforts	%	(Total amount of GHG reductions due to voluntary efforts / total amount of GHG emissions in the previous fiscal year) × 100
Improve PUE (Power Usage Effectiveness) of our data centers (DC) by 2% or more compared to FY 2017.	Rate of PUE improvements	%	<ul style="list-style-type: none"> • $PUE = \Sigma (Total\ DC\ energy\ consumption) \div \Sigma (Total\ IT\ device\ energy\ consumption)$ Σ: Combined total energy of the 25 main DCs • Rate of improvement (%) = $(Base\ fiscal\ year\ PUE - PUE\ for\ the\ current\ fiscal\ year) \div Base\ fiscal\ year\ PUE \times 100$ Base fiscal year: FY 2017
Increase renewable energy usage by 20% or more compared to FY 2017.	Rate of increase in the use of renewable energy	%	The percentage of increase in the amount of power generated in-house or purchased from external sources using renewable energy (solar power, wind power, hydro power, biomass, geothermal, etc.) from FY 2017 (base fiscal year) to the relevant fiscal year

Promote eco design for resource saving and circulation and increase resource efficiency of newly developed products by 25% or more (compared to FY 2014).	Rate of improvement of resource efficiency of new products	%	<ul style="list-style-type: none"> The average rate of improvement of resource efficiency (versus FY 2014) of products*. * Hardware products under the Fujitsu Brand, newly developed between FY 2016 and FY 2020. Excludes products not designed by Fujitsu (OEM products) and products designed under customer specifications. * Refer to "Improving resource efficiency of products" for the resource efficiency calculation method.
Reduce amounts of waste generated by 5% or more of the average waste generated from FY 2012-2014 (14,226 t/1 year).	Amount of waste generated	Tons	Total amount of industrial waste and general waste generated at plants and business sites (Thermal recycling volume + Material recycling volume + Disposal volume)
	Effective utilization rate (Japan only)	%	(Amount of effective use (thermal recycling & material recycling) / Amount of waste generated) x 100
Maintain 90% or more resource reuse rate of business ICT products.	Resource reuse rate of business ICT products	%	Based on the calculation method provided by JEITA, recycled components and resources as a percentage of the weight of used products processed in Japan. Excludes collected waste other than used electronic products
Reduce total water usage by 1% compared to FY2017 (83,000 m ³).	Amount of water usage reduction	m ³	Take the accumulated impact (actual or estimated) of water use reduction measures implemented at each business site, and calculate the amount of reduction for the relevant fiscal year
Limit the release of chemical pollutants (PRTR) to an amount below the average amount released from FY 2012-2014 (17.4t/1 year).	Volume of PRTR-targeted substances released	Tons	Total emissions of substances subject to the PRTR Law (Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof) that are handled in quantities of 100 kg or more per year per substance at each business site, including overseas sites
Reduce CO ₂ emissions due to power consumption during product usage by 14% or more (compared to FY 2013).	Rate of reduction in CO ₂ emissions when products are used	%	Rate of reduction in GHG emissions based on FY 2013 emissions, as calculated under Scope 3: Use of sold products through downstream

GHG Emissions Amount Report based on GHG Protocol Standards

Indicator		Unit	Calculation Method
Upstream (Scope 3)	Purchased goods and services	tons-CO ₂	Components purchased during the fiscal year x Emissions per unit of purchase (Source: Embodied Energy and Emissions Intensity Data (3EID) published by the National Institute for Environmental Studies Center for Global Environmental Research)
	Capital goods	tons-CO ₂	Total amount of acceptance inspection of construction objects in the fiscal year x emission intensity (Source: Database for calculating an organization's greenhouse gas emissions through its supply chain ver. 3.1 published by the Ministry of the Environment and the Ministry of Economy, Trade and Industry)
	Fuel and energy-related items not included in Scope 1 or 2)	tons-CO ₂	Annual amounts of fuel oil and gas, electricity and heat purchased (consumed) mainly at business sites owned by Fujitsu x Emissions per unit (Source: Database for calculating an organization's greenhouse gas emissions through its supply chain ver. 3.1 published by the Ministry of the Environment and the Ministry of Economy, Trade and Industry, Based on the Japanese emissions intensity database, IDEA v2.3 (For calculating greenhouse gas emissions in the supply chain)

	Transportation and distribution (upstream)	tons-CO ₂	Transportation of goods within Japan: CO ₂ emissions related to the transportation of goods within Japan by the Fujitsu Group * CO ₂ emissions related to domestic transportation by the Fujitsu Group, based on the Act on the Rational Use of Energy as a source. The fuel economy method (for some vehicles) or the improved ton-kilometer method (vehicle, rail, air)
		tons-CO ₂	International transport/overseas local transport: transportation ton-kilometer x Emission per unit (Source: GHG protocol emissions coefficient database)
	Waste generated in operations	tons-CO ₂	Annual amounts of waste (discharged mainly by business sites owned by Fujitsu) processed or recycled, by type and processing method x Emissions per unit of annual amount of waste processed or recycled (Source: Database for calculating an organization's greenhouse gas emissions through its supply chain ver. 3.1 published by the Ministry of the Environment and the Ministry of Economy, Trade and Industry, Based on the Japanese emissions intensity database, IDEA v2.3 (For calculating greenhouse gas emissions in the supply chain))
	Business travel	tons-CO ₂	(By means of transport) Σ (Transportation expense payment x Emissions per unit) (Source: Basic Guidelines for Calculating Greenhouse Gas Emissions Via Supply Chains Ver. 2.3 and Emissions per Unit Database Ver. 3.1 published by the Ministry of the Environment and the Ministry of Economy, Trade and Industry)
	Employee commuting	tons-CO ₂	For portions of commute by public transportation: (By means of transport) Σ (Transportation expense payment x Emissions per unit) (Source: Same as above) For portions of commute by private automobile: Σ (Transported persons-kilometer x Emissions per unit) (Source: Same as above) Transported persons-kilometer : calculated from transportation expense payment, price of gasoline, and fuel efficiency
	Leased assets (Upstream)	tons-CO ₂	Annual amounts of fuel oil, gas, electricity, and heat consumed mainly at leased business sites x Emissions per unit of fuel oil, gas, electricity, and heat consumed (Sources – Japan: Act on Promotion of Global Warming Countermeasures – GHG Emissions Accounting, Reporting, and Disclosure System; Overseas: IEA CO ₂ Emissions from Fuel Combustion Highlights 2020)
Reporting company (Scope 1, 2)	Direct emissions	tons-CO ₂	Amount of CO ₂ emissions from the consumption of fuel oil and gas (burning of fuel) and GHG emissions other than CO ₂ , mainly at business sites owned by Fujitsu * For the calculation method, see "Greenhouse gas emission (CO ₂ emissions, greenhouse gas emissions other than CO ₂) from business sites" in the Environmental Action Plan (Stage IX)
	Indirect emissions from energy sources	tons-CO ₂	CO ₂ emissions from the consumption (purchase) of electricity and heat mainly at business sites owned by Fujitsu * For the calculation method, see "Greenhouse gas emission (CO ₂ emissions) at business sites" in the Environmental Action Plan (Stage IX).
Downstream (Scope 3)	Processing of sold products	tons-CO ₂	Intermediate product sales volume* ¹ x Emissions per unit of processing volume* ² * ¹ Intermediate product sales volume refers to Fujitsu's device solution sales * ² Emissions per unit of processing volume is calculated from Fujitsu's FY 2015 assembly plant data
	Use of sold products	tons-CO ₂	Electricity consumption during product use* x Emissions per unit electricity (Source: CO ₂ emission coefficient of The Electric Power Council for a Low Carbon Society (FY2019 results)) * Electricity consumption during product use: Calculated as electricity usage for the anticipated usage time per product unit x Units shipped for the subject fiscal year.

			Electricity usage for the anticipated usage time per product unit is calculated as electricity consumed (kW) x Time used (h / Days) x Number of days used / Year x Number of years used. Time used (h), number of days used per year, and number of years used are set according to Fujitsu's internal scenarios
	End-of-life treatment of sold products	tons-CO ₂	(Weight of all sold products / Weight of products processed at Fujitsu's recycling centers during the year) x Electricity used at Fujitsu's recycling centers during the year x Emissions per unit of electricity (Source: Emission coefficient per electricity provider (FY2019 results) for general power transmission and distribution business operators)

Response to Environmental Risks: Environmental Liabilities

Indicator	Unit	Calculation Method
Cost of environmental liabilities	Yen	<ol style="list-style-type: none"> 1. Asset retirement obligation (Only asbestos removal cost related to facility disposal) 2. Cost for soil contamination countermeasures 3. Disposal processing cost for waste with high concentration of PCB (polychlorinated biphenyl)

Response to Environmental Risks: Preventing Soil and Groundwater Pollution

Indicator	Unit	Calculation Method
Measured value of groundwater pollution	mg/L	The highest value in the fiscal year for substances detected at levels exceeding regulated levels set in the Soil Contamination Countermeasures Act, etc., at monitoring wells at the boundaries of sites where past business activities have resulted in soil contamination

Material Balance

Boundary : Refer to the ["List of Organizations Covered by the Report on Environmental Activities"](#) or 5-3-4-10 in this book.

Indicator	Unit	Calculation Method
INPUT		
	Raw Materials	tons
		Material inputs to our major products* ¹ shipped in the fiscal year (raw materials per unit for each product x The number of units shipped in the fiscal year)
Design/ Procurement/ Manufacturing/ Development	Chemical Substances	Volume of substances subject to VOC emissions restrictions
		tons
		Of the 20 VOCs (Volatile Organic Compounds) specified in the environmental voluntary action plans of the four electrical and electronic industry associations* ² , total amounts handled are provided for those substances handled in quantities exceeding 100 kg annually per substance at individual business sites, including overseas sites Substances subject to VOC emissions controls that are also covered by the PRTR law are included in the section on substances subject to VOC emissions controls

		Volume of PRTR-targeted substances	tons	Of the substances covered by the PRTR law (Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environmental and Promotion of Improvements to the Management Thereof), totals are provided for those substances handled in quantities exceeding 100 kg annually per substance per business site, including overseas sites
	Amount of water used		m ³	Annual use of clean water, industrial water and groundwater (not including groundwater used for melting snow or extracted for purification.)
	Amount of Recycled water		m ³	Annual amount of water used for manufacturing and other purposes once, then recovered, processed, and used again for manufacturing and other processes.
	Energy consumption (calorie basis)		GJ	$\Sigma[(\text{Electricity, fuel oil and gas, and district heating and cooling annual usage}) \times \text{Thermal conversion factor for each type of energy}^*]$ * Thermal conversion factor (Heating value unit): According to the "Act on the Rational Use, etc., of Energy," conversion factors from each supplier or 44.8 GJ/1000m ³ were used for town gas.
		Purchased electricity	MWh	Annual electricity usage
		Bunker A, fuel oil, light oil, benzine, gasoline	kL	Annual fuel oil usage (or purchases)
		Natural gas	m ³	Annual natural gas usage (or purchases)
		Town gas	m ³	Annual town gas usage (or purchases)
		LPG	tons	Annual LPG usage (or purchases)
		LNG	tons	Annual LNG usage (or purchases)
		District heating and cooling	GJ	Annual district heating and cooling (cold and hot water for cooling and heating) usage (or purchases)
Distribution / Sales	Energy consumed for transport		GJ	Total value of transport energy consumption for Fujitsu* ¹ and Fujitsu Group companies* ² * ¹ Fujitsu (domestic transport): Energy consumption related to domestic transport by the Fujitsu Group, based on the Act on the Rational Use of Energy "Logistics." * ² Fujitsu Group Companies: Calculated from the transport CO ₂ emissions from OUTPUT (distribution and sales) using the ratio of Fujitsu (domestic transport) transport energy consumption to transport CO ₂ emissions.
Use of sold Products	Energy	Electricity	GWh	Electricity consumed in connection with major products ** shipped during the fiscal year (Amount of electricity used for time estimated per product unit x Units shipped in the fiscal year)
			GJ	
Recycling of resources	Resource recycling rate		%	Based on the calculation method provided by JEITA, recycled components and resources are calculated as a percentage of the weight of used products processed in Japan. Excludes collected waste other than used electronic products.
	Processed volume		tons	

OUTPUT				
Design/ Procurement/ Manufacturing/ Development	Raw Materials	CO ₂ emissions	tons -CO ₂	CO ₂ emissions related to all stages from resource extraction through processing into raw materials (CO ₂ emissions equivalent for raw materials used per product unit x Units shipped in the fiscal year) for the raw materials used in major products* ¹ shipped in the fiscal year
	Chemical Substances	Volume of substances subject to VOC emissions restrictions	tons	Of the 20 VOCs (Volatile Organic Compounds) specified in the environmental voluntary action plans of the four electrical and electronic industry associations* ² , total amounts released are provided for those substances handled in quantities exceeding 100 kg annually per substance at individual business sites, including overseas sites. Substances subject to VOC emissions controls that are also covered by the PRTR law are included in the section on substances subject to VOC emissions controls.
		Volume of PRTR-targeted substances released	tons	Of the substances covered by the PRTR law (Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof), released totals are provided for those substances handled in quantities exceeding 100 kg annually per substance per business site, including overseas sites.
	Atmospheric pollution	CO ₂ emissions	tons-CO ₂	* For the calculation method, see "Greenhouse gas emissions (CO ₂ emissions) from business sites" in the Environmental Action Plan (Stage IX).
		GHG emissions other than CO ₂	tons-CO ₂	* For the calculation method, see "Greenhouse gas emissions (GHG emissions other than CO ₂) from business sites" in the Environmental Action Plan (Stage IX).
		NO _x emissions	tons	NO _x concentration (ppm) x 10 ⁻⁶ x Dry gas emissions (m ³ N/hr) x Operating time (hr/yr) x 46/22.4 x 10 ⁻³
		Sox emissions	tons	SO _x concentration (ppm) x 10 ⁻⁶ x Dry gas emissions (m ³ N/hr) x Operating time (hr/yr) x 64/22.4 x 10 ⁻³
	Water Discharge	Wastewater discharges	m ³	Annual water discharge into public waterways and sewers (not including groundwater used for melting snow, but including groundwater extracted for purification when the amount of water is known)
		BOD emissions	tons	BOD concentration (mg/l) x Water discharges (m ³ /yr) x 10 ⁻⁶
		COD emissions	tons	COD concentration (mg/l) x Water discharges (m ³ /yr) x 10 ⁻⁶
	Waste	Amount of waste generated	tons	* For the calculation method, see "Waste generated" in the Environmental Action Plan (Stage IX).
		Thermal recycling volume	tons	Among all types of waste put to effective use, the total volume used in thermal recycling * Thermal recycling: Recovery and use of the heat energy generated by incinerating waste
		Material recycling volume	tons	Among all types of waste put to effective use, the total volume used in material recycling * Material recycling: Processing of waste to facilitate its reuse, and re-use of processed waste as material or raw materials for new products

		Disposal volume	tons	Volume of industrial and general waste processed by, for example, landfilling or simple incineration
Distribution / Sales	Atmospheric Release		tons-CO ₂	* For the calculation method, see "Transportation and distribution (upstream)" in the GHG Emissions Report based on GHG Protocol Standards.
Use of sold Products	Atmospheric Release		tons-CO ₂	For the calculation method, see "Use of sold products" in the GHG Emissions Report based on GHG Protocol Standards.

- *1 Major products:
Personal computers, mobile phones, servers, workstations, storage systems, printers, scanners, financial terminals, retail terminals, routers, LAN access equipment, access network products, mobile phone base stations and electronic devices
- *2 Four electrical and electronic industry associations:
The Japan Electrical Manufacturers' Association (JEMA), Japan Electronics and Information Technology Industries Association (JEITA), Communications and Information Network Association of Japan (CIA), and Japan Business Machine and Information System Industries Association (JBMA).

Environmental Data

List of Organizations Covered by the Report on Environmental Activities in FY2020

Organizations covered by the report

The coverage is of Fujitsu itself plus a total of 132 companies centering on consolidated subsidiaries that have built environmental management systems. The table below shows the organizations*1 for which individual performance data is gathered.

*1 The following company names are as of March 31, 2021.

Organizations covered by each Indicators

- Scope1,2,3 : Organizations that are the subject of calculations used in the GHG Emissions Report based on GHG Protocol Standards
- Water : Japan; Fujitsu and Fujitsu Group offices excluded datacenters.
Overseas; Fujitsu and Fujitsu Group manufacturing sites
- Waste : Japan; Fujitsu offices excluded datacenters and Fujitsu Group manufacturing sites
Overseas; Fujitsu and Fujitsu Group manufacturing sites
- Chemical : Fujitsu and Fujitsu Group manufacturing sites.
*The sites that handle less than 100 kg of chemical substances per year are excluded.
- EMS : Organizations with Environmental Management Systems (EMS). Including organizations with voluntary EMS.

Headquarters

No.	Company name	Scope1,2,3	Water	Waste	Chemical	EMS
1	Fujitsu Limited	✓	✓	✓	✓	✓

Fujitsu Group companies in Japan (91companies)

No.	Company name	Scope1,2,3	Water	Waste	Chemical	EMS
1	FUJITSU HOME & OFFICE SERVICES LIMITED	✓				✓
2	Kawasaki Frontale Limited	✓				✓
3	Fujitsu Techno Research Limited	✓				✓
4	Toyama Fujitsu Limited	✓	✓			✓
5	Fujitsu Facilities Limited	✓				✓
6	OKINAWA FUJITSU SYSTEMS ENGINEERING LIMITED	✓				✓
7	DIGITAL PROCESS LTD.	✓				✓
8	PFU LIMITED	✓	✓	✓	✓	✓
9	FUJITSU BANKING SOLUTIONS LIMITED	✓				✓

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10	SHIGA FUJITSU SOFTWARE LIMITED	✓				✓
11	FUJITSU BROAD SOLUTION & CONSULTING Inc.	✓				✓
12	FUJITSU SOCIAL SCIENCE LABORATORY LIMITED	✓				✓
13	FUJITSU YFC LIMITED	✓				✓
14	FUJITSU NIIGATA SYSTEMS LIMITED	✓				✓
15	FUJITSU HOKURIKU SYSTEMS LIMITED	✓				✓
16	FUJITSU KYUSHU SYSTEMS LIMITED	✓				✓
17	FUJITSU KAGOSHIMA INFONET LIMITED	✓				✓
18	FUJITSU FIP CORPORATION	✓				✓
19	FUJITSU CLOUD TECHNOLOGIES LIMITED	✓				✓
20	G-Search Limited	✓				✓
21	FUJITSU FSAS INC.	✓				✓
22	FUJITSU COMMUNICATION SERVICES LIMITED	✓				✓
23	FUJITSU NETWORK SOLUTIONS LIMITED	✓				✓
24	Fujitsu Frontech Limited	✓	✓	✓	✓	✓
25	Fujitsu Japan Limited	✓				✓
26	FUJITSU SYSTEM INTEGRATION LABORATORIES LIMITED	✓				✓
27	FUJITSU TOKKI SYSTEMS LIMITED	✓				✓
28	FUJITSU DEFENSE SYSTEMS ENGINEERING LIMITED	✓				✓
29	Fujitsu Applications, Ltd.	✓				✓
30	FUJITSU LEARNING MEDIA LIMITED	✓				✓
31	FUJITSU RESEARCH INSTITUTE	✓				✓
32	Fujitsu Marketing Limited	✓				✓
33	FUJITSU FOM LIMITED	✓				✓
34	FUJITSU CoWorCo LIMITED	✓				✓
35	TWO-ONE LIMITED	✓				✓
36	FUJITSU I-NETWORK SYSTEMS LIMITED	✓	✓	✓	✓	✓
37	ECOLITY SERVICE LIMITED	✓				✓
38	FUJITSU ADVANCED ENGINEERING LIMITED	✓				✓
39	Fujitsu Software Technologies Limited	✓				✓
40	FUJITSU MIDDLEWARE LIMITED	✓				✓
41	Fujitsu Kyushu Network Technologies Limited	✓				✓
42	Fujitsu Telecom Networks Limited	✓	✓	✓	✓	✓
43	FUJITSU COMPUTER TECHNOLOGIES LIMITED	✓				✓
44	FUJITSU IT PRODUCTS LIMITED	✓	✓	✓	✓	✓

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45	Fujitsu Isotec Limited	✓	✓	✓	✓	✓
46	FUJITSU PERIPHERALS LIMITED	✓	✓	✓	✓	✓
47	FUJITSU PERSONAL SYSTEM LIMITED	✓				✓
48	FUJITSU KASEI RECYCLE LIMITED	✓				✓
49	FUJITSU QUALITY LABORATORY LIMITED	✓	✓			✓
50	Fujitsu Optical Components Limited	✓	✓	✓	✓	✓
51	FUJITSU KANSAI-CHUBU NET-TECH LIMITED	✓				✓
52	Fujitsu Mission Critical Software LTD.	✓				✓
53	FDK CORPORATION	✓	✓	✓	✓	✓
54	Transtron Inc.	✓	✓	✓		✓
55	SHINKO ELECTRIC INDUSTRIES CO. LTD.	✓	✓	✓	✓	✓
56	FUJITSU LABORATORIES LTD	✓	✓	✓	✓	✓
57	FUJITSU SEMICONDUCTOR LIMITED	✓				✓
58	Fujitsu Design Limited	✓				✓
59	Fujitsu Advanced Technologies Limited	✓				✓
60	FUJITSU CAPITAL LIMITED	✓				✓
61	AIZU FUJITSU SEMICONDUCTOR LIMITED	✓	✓	✓	✓	✓
62	AIZU FUJITSU SEMICONDUCTOR WAFER SOLUTION LIMITED	✓	✓	✓	✓	✓
63	FUJITSU SEMICONDUCTOR MEMORY SOLUTION LIMITED	✓				✓
64	Fujitsu IT Management Partner Co. Ltd.	✓				✓
65	Fujitsu IS Service Limited	✓				✓
66	FUJITSU PUBLIC SOLUTIONS LIMITED	✓				✓
67	FUJITSU ADVANCED SYSTEMS LIMITED	✓				✓
68	Fujitsu Systems Applications & Support Limited	✓				✓
69	FUJITSU YAMAGUCHI INFORMATION CO.,LTD	✓	✓			✓
70	FUJITSU SHIKOKU INFOTEC LIMITED	✓				✓
71	FUJITSU SYSTEMS WEB TECHNOLOGY LIMITED	✓				✓
72	Ridgelinez Limited	✓				
73	FUJITSU NETWORK SERVICE ENGINEERING LIMITED	✓				✓
74	FUJITSU SOCIAL LIFE SYSTEMS LIMITED	✓				✓
75	Mobile Techno Corp.	✓				✓
76	Care Net Ltd.	✓				✓
77	Fujitsu Advance Accounting service Limited	✓				✓
78	Fujitsu Harmony Limited	✓				✓
79	UCOT Infotechno co., Ltd	✓				✓

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80	AB System Solutions Limited	✓				✓
81	ZIS INFORMATION TECHNOLOGY CORPORATION	✓				✓
82	Fujitsu Yamagata Information Technology Limited.	✓				✓
83	BANKING CHANNEL SOLUTIONS Limited	✓				✓
84	IT MANAGEMENT PARTNERS LIMITED	✓				✓
85	YJK Solutions Co., Ltd.	✓				✓
86	Best Life Promotion Ltd.	✓				✓
87	Fujitsu Traffic & Road Data Service Limited	✓				✓
88	Fujitsu Engineering Technologies Limited	✓				✓
89	Smart Agriculture IWATA Co., Ltd.	✓				✓
90	Grand Bouquet Otaki, K.K.	✓				✓
91	FITEC	✓				✓

Fujitsu Group companies worldwide (40 companies)

No.	Company name	Scope1,2,3	Water	Waste	Chemical	EMS
1	Jiangsu Fujitsu Telecommunications Technology Co., Ltd.	✓	✓	✓		✓
2	Fujitsu Electronics Pacific Asia Limited	✓				✓
3	Fujitsu Electronics (Shanghai) Co., Ltd.	✓				✓
4	FUJITSU HONG KONG LIMITED	✓				✓
5	FUJITSU DO BRASIL LIMITADA	✓				✓
6	FUJITSU ASIA PTE LTD	✓				✓
7	FUJITSU NETWORK COMMUNICATIONS INC.	✓	✓	✓	✓	✓
8	Fujitsu America, Inc.	✓				✓
9	Fujitsu (Thailand) Co., Ltd.	✓				✓
10	FUJITSU BUSINESS TECHNOLOGIES ASIA PACIFIC LIMITED	✓				✓
11	FUJITSU AUSTRALIA LTD.	✓				✓
12	Fujitsu Technology Solutions GmbH	✓				✓
13	Fujitsu Electronics Europe GmbH	✓				
14	Fujitsu Nanda Software Technology Co., Ltd	✓				✓
15	FUJITSU SERVICES HOLDINGS PLC	✓				✓
16	FUJITSU KOREA LTD.	✓				✓
17	FUJITSU TAIWAN LIMITED	✓				✓
18	Fujitsu Telecommunication Asia Sdn. Bhd.	✓				✓
19	Fujitsu (China) Holdings Co., Ltd.	✓				✓
20	Fujitsu Technology and Business of America, Inc.	✓				✓

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21	FUJITSU (XI'AN) SYSTEM ENGINEERING Co., Ltd.	✓				✓
22	Beijing Fujitsu System Engineering Co., LTD.	✓				✓
23	Fujitsu Glovia, Inc.	✓				✓
24	FUJITSU AUSTRALIA SOFTWARE TECHNOLOGY PTY. LTD.	✓				✓
25	FUJITSU Enabling Software Technology GmbH	✓				✓
26	Fujitsu Electronics America, Inc	✓				
27	Fujitsu Electronics Korea Ltd.	✓				
28	Fujitsu Research and Development Center Co., LTD.	✓				✓
29	Fujitsu Computer Products of America	✓				✓
30	Fujitsu Consulting India	✓				
31	FUJITSU (CHINA) Co., Ltd.	✓				✓
32	Fujitsu Finance America, Inc.	✓				✓
33	FUJITSU EMEA PLC	✓				✓
34	Fujitsu RunMyProcess SAS	✓				✓
35	UShareSoft, SAS	✓				✓
36	Fujitsu Finland Oy	✓				✓
37	Fujitsu Greenhouse Technology Finland Oy	✓				✓
38	Fujitsu Systems Global Solutions Management Sdn. Bhd.	✓				✓
39	Fujitsu Sweden AB	✓				
40	Fujitsu New Zealand Limited	✓				