

# Fujitsu Components Group Environmental Report FY2021

The Fujitsu Components Group recognizes environmental management as one of the most important roles and contributes to build a sustainable society and participate in the global environmental conservation by striving to reduce harmful environmental impact generated by products or services offered throughout the business activities.

## 1. Greeting

The Fujitsu Components Group has been conducting activities to reduce the environmental impact since 1998. These activities are based on our principle *"We shall keep the best corporate activities while improving our coexistence with the environment"*.

The 2016 Paris Agreement accelerates the movement toward a carbon-free society. In addition, global momentum for the environment is growing, as the adoption of the Sustainable Development Goals (SDGs) in 2015 illustrates.

The Fujitsu Components Group continues to adopt measures that limit the environmental impact by developing energy efficient products, proper utilization of resources, streamlining the manufacturing process, reducing CO<sub>2</sub> emission, reducing waste emission, and environmental protection through socially responsible activities.

We also focus on developing products for applications that adhere to the SDGs guidelines, for example, EV/PHV and PV relays for *'affordable and clean energy'*, mesh network products for *'sustainable cities and communities'*.

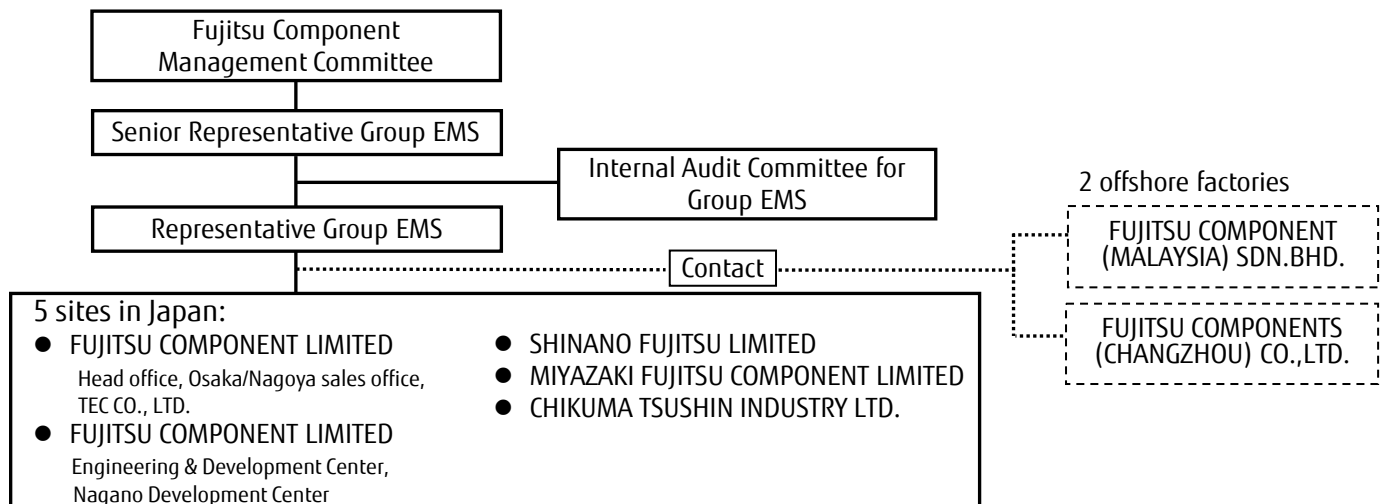
The Fujitsu Components Group strives to realize a human and environmental friendly society through our products and other business and social activities both, in a direct and an indirect fashion.



Masahiro Kinoshita  
President and Representative  
Corporate Officer



## 2. Organization for Environmental Activities



### 3. Group Profile

Head Office address	FUJITSU COMPONENT LIMITED Shinagawa Seaside Park Tower, 12-4, Higashi-shinagawa 4-chome, Shinagawa-ku, Tokyo 140-0002, Japan
President and Representative Corporate Officer	Masahiro Kinoshita
Founded	October 1, 2001
Main Business	Manufacturing and sales of relays, keyboards, touch panels, pointing devices, thermal printers, wireless modules, server console switches, cross technology products (unit products)
Capital	90 million yen
Capital surplus	12,810 million yen (as of March 29, 2021)
Sales	40 billion yen (consolidated FY2019)
Financial Year End	March 31
Employees	2,998 (consolidated as of July 10, 2020)
Group Composition	The Group is composed of total 13 companies; 5 Japanese companies including 1 sales company, and 8 overseas companies including 6 sales companies

### 4. Environmental Policy & Environmental Protection Program

#### ■ Fujitsu Components Group Environmental Policy

##### Principle

The Fujitsu Components Group recognizes the value and importance of protecting the global environment as one of the most important issues. Our environmental philosophy is: We shall adhere to the best corporate activities while improving our coexistence with the environment. As an enterprise that develops, designs, manufactures, and sells electrical components, we promote the Environmental Management System (EMS) in accordance with ISO14001.

##### Action Guidelines

- We continuously improve our environmental management system to reduce and prevent environmental pollution by keeping the environmental aspects in mind through our activities, products and services.
- We offer products that both help achieve business growth and protect the environment.
- We comply with the various environmental laws as they apply to our activities, products and services.
- We comply with the various environmental laws as they apply to our activities, products and services.
- Every employee shall strive to improve the environment including use of sustainable sources, climate control, and biodiversity conservation at work and at home and extend those activities to society.

##### Priority Items

1. We take on following priority items which pertaining to environmental aspect of our products and services.
2. Improvement of environmental value throughout product lifecycle
3. Promotion of social contribution activities
4. Reduction of greenhouse gas CO<sub>2</sub> emission
5. Improvement of energy consumption per unit
6. Improvement of waste emission per unit

##### Supplement

1. This policy is shared our employees, group members and all other parties concerned.
2. Our Analytical Engineering Department is responsible for the Environmental Policy.

April 1, 2021

Fujitsu Components Group EMS Management

## 5. The 8th Stage Group Environmental Protection Program (FY2019 to FY2021)

The 8th Stage of the Fujitsu Components Group Environmental Protection Program has been established. Detailed action plans to FY2021 have been provided and actual activities are under way.

Item	The 8th Stage Group Environmental Protection Program Goals	FY2020	FY2020	FY2021
		Target	Result	Target
Social contribution activities	Improvement of environmental value throughout product lifecycle at least 10 new eco-friendly products which satisfy (i) or (ii) have to be developed by end of FY2021. i. Product to lead in energy-efficiency <sup>(*1)</sup> ii. Product's resource efficiency <sup>(*2)</sup> is increased by 1% or more compared to those of FY2016-FY2018 <sup>(*3)</sup>	3 products	4 products	3 products
	Promotion of social contribution activities Each employee shall contribute to the society to affluent and sustainable society. i. Continuous cooperation with society. ii. Material support and other activities to resolve social/environmental issues such as biodiversity observation.	35 activities	36 activities	36 activities
Own business activities	Reduction of greenhouse gas (GHG) emissions We will reduce 3,132t-CO <sub>2</sub> <sup>(*4)</sup> by end of FY2021 by continuous energy saving activities.	893 t-CO <sub>2</sub>	1,449.9 t-CO <sub>2</sub>	779 t-CO <sub>2</sub> <sup>(*5)</sup>
	Improvement of energy efficiency We will improve specific energy consumption unit <sup>(*6)</sup> in facilities by an average of 1% per year.	See table-1		Average 1% or more at 3 sites
	Control on waste emission We will reduce specific waste unit <sup>(*7)</sup> to less than FY2018 results by end of FY2021.	See table-2		Less than FY2018 results

Table-1 Specific energy consumption unit FY2020 results

Site name	Calculation formula	FY2020 target <sup>(*8)</sup>	FY2020 result
FUJITSU COMPONENT Engineering & Development Center	$\frac{\text{Energy consumption (kl)}}{\text{Sales amount (Million Yen)}}$	0.666	0.656
SHINANO FUJITSU	$\frac{\text{Energy consumption (kl)}}{\text{Sales amount (10 Million Yen)}}$	1.400	1.330
MIYAZAKI FUJITSU COMPONENTS	$\frac{\text{Energy consumption (kl)}}{\text{Production quantity (Kpcs)}}$	0.0139	0.0128

Table-2 Specific waste unit FY2020 results

Site name	Calculation formula	FY2020 target (FY2018 result)	FY2020 result
FUJITSU COMPONENT Engineering & Development Center	$\frac{\text{Waste amount (kg)}}{\text{Sales amount (million yen)}}$	88.7 <sup>(*9)</sup>	85.7
SHINANO FUJITSU	$\frac{\text{Waste amount (kg)}}{\text{Sales amount (million yen)}}$	22.3	19.3
MIYAZAKI FUJITSU COMPONENTS	$\frac{\text{Waste amount (kg)}}{\text{Sales amount (million yen)}}$	49.0	38.5

\*1 :The products meet the criteria which is ranked at the top level in the market, including leading products (world-first, industry-first, world-best, industry - best) in energy efficiency.

\*2: Improvement of product's resources (smaller, lighter, thinner, reducing number of parts) or resource circulation (reducing waste amount, recycle capability).

\*3: Conditions were revised based on development plan.

\*4: 15% of FY2018 CO<sub>2</sub> emission (20,870t-CO<sub>2</sub>) in the 3 years (average 5% per year).

\*5: FY2021 target was revised from 912t-CO<sub>2</sub> to 779t-CO<sub>2</sub> based on FY2019 and FY2020 results.

\*6: Specific energy consumption unit = energy consumption amount (kl crude oil equivalent) / production amount (industrial output amount or quantity)

\*7: Specific waste unit = waste emission amount (t) / production amount (industrial output amount or quantity)

\*8: FY2021 target was revised based on production situation.

\*9: FY2020 target was changed from 66.9 to 88.7 since some materials are no longer counted as resources due to changes in world affairs.

## 6. Environmental Activities

### ■ Development of Eco-friendly Products

We strive to develop and offer eco-friendly products which improve the environment and commercial aspects.



#### ■ Highlights of New Developments



Full HD drawer

Automotive relay

Wireless module

Touch panel

Improvements	Products	Products developed	Improvement ratio (*1)
Energy efficiency	KVM	Full HD with high performance power supply unit drawer (FD-6000DVI/NP)	1.4% reduction in power consumption
	Relay	Automotive relay (FTR-K5)	25% reduction in power consumption
	Wireless module	Development of new wireless module (FWM7BTZ61)	70% reduction in power consumption
Resource efficiency	Touch panel	4-wire resistive touch panels which eliminate a layer of film laminations (8 products)	21% reduction in weight

### ■ Status of Social Contribution Activities

Each site engages in social contributions, not only our employees but also their family members participate, for biodiversity conservation and engaging with local communities. Those activities are expanding year by year and are thoroughly acknowledged as wonderful activities among neighbors.



#### ■ Major Activities



Head office (Shinagawa, Tokyo)  
Donation of contact lens case



Engineering & Development Center (Suzaka, Nagano)  
Taking part in cleaning up Shuzaka-city (left)  
Selling vegetables for school children that they have grown (right)



Shinano Fujitsu Limited (Iiyama, Nagano)  
Participation in 'Iiyama Flower Road Project'



Miyazaki Fujitsu Component (Nichinan, Miyazaki)  
Weeding around the factory



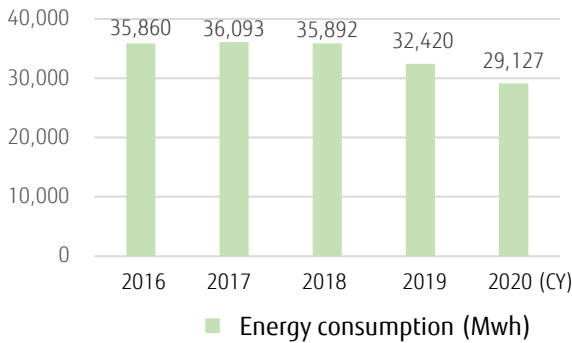
Chikuma Tsushin (Saku, Nagano)  
Cleaning up around the factory

■ **Global Warming Prevention Activities (Reduction of Energy Origin CO<sub>2</sub>, Improvement of Energy Efficiency)**

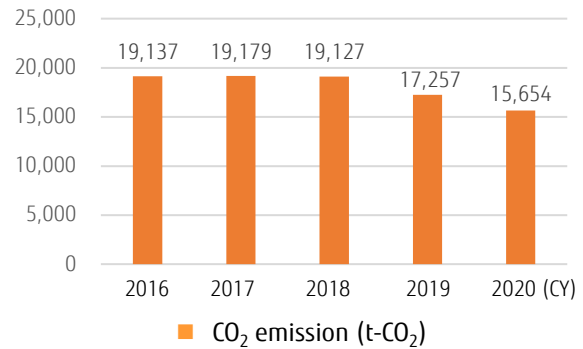
To reduce CO<sub>2</sub> emissions, we have focused on improving the energy efficiency. Each site has been working on to reduce electricity consumption, usage of use of a heavy oil), LPG, etc. We are considering switching to renewable energy.



■ **Transition of total energy consumption amount**

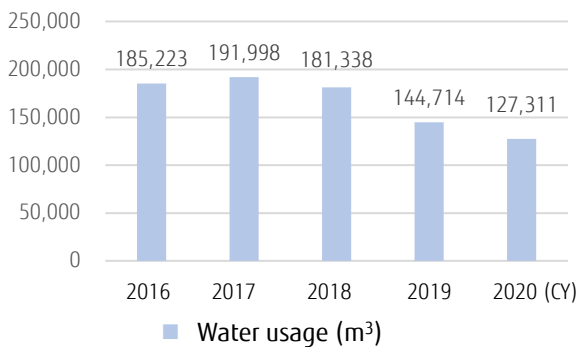


■ **Transition of CO<sub>2</sub> Emission<sup>(\*1)</sup>**



\*1: CO<sub>2</sub> conversion factor was changed

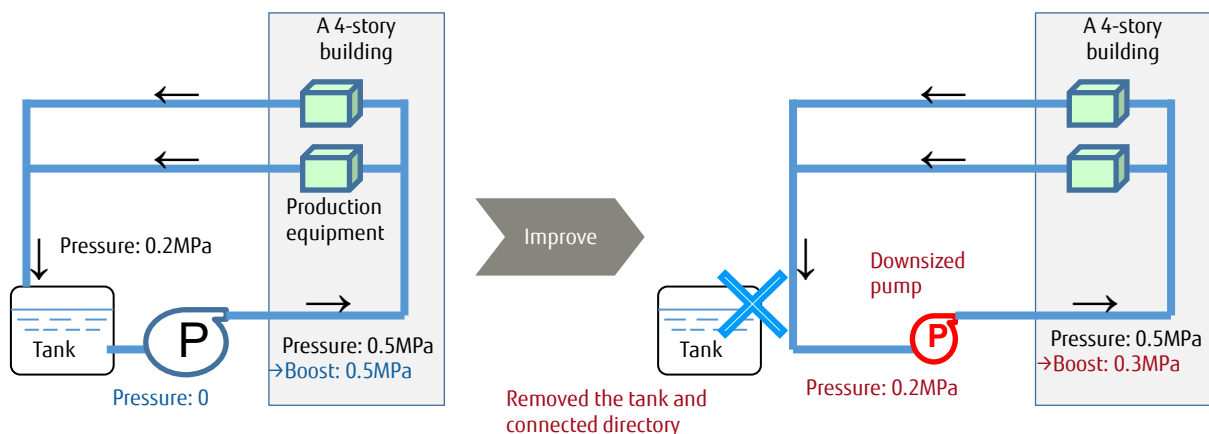
■ **Transition of water usage**



Topic

【Cooling Water System】 Reduction of CO<sub>2</sub> emission utilizing hydropower

We organized an Energy Saving Working Group that consists of members from 4 sites in Japan. The group had been working continuously to improve energy efficiency and reduction of CO<sub>2</sub> emissions. In FY2020, we connected cooling lines without cooling water tank, and reduced pump power by utilizing hydropower. As the results, we reduced 39.6t-CO<sub>2</sub> in the year.

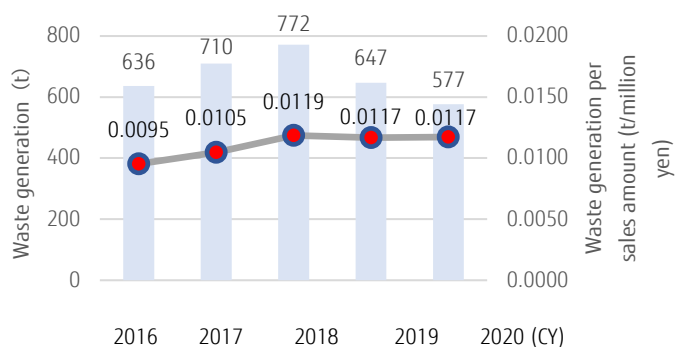


## Industrial Waste Reduction Management

Every worker in the group recognizes the importance of the 3Rs (Reuse, Reduce and Recycle) and engages in waste separation. We have been working on the reduction of environmental loads by minimizing the waste and promoting its recycling or reuse.



### Transition of industrial waste reduction



\* Waste generation includes Japan sites only

## 7. Chemical Substances Contained in Products

### Management of Chemical Substances Contained in Products

All materials are purchased under the Common Environmental Purchasing Specifications, and Fujitsu Components Group specified banned materials are checked by certification of compliance and chemSHERPA<sup>(\*)</sup>. Phthalic acid ester, which was added under the revised European RoHS directive, is analyzed by Gas Chromatograph Mass Spectrometry and other methods inside our company. In addition, we have established a management system for pollution control in production sites and suppliers and check products' compliance.

\*1: A scheme that facilitates sharing information on chemical substances in products conducted by Ministry of Economy, Trade and Industry. (Abbreviation of Chemical Information Sharing and Exchange under Reporting Partnership in supply chain).

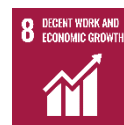


### Green Procurement

We ask all supply partners to build an environmental management system as well as prevention of global warming and biodiversity program to further the reduction of the environmental impact throughout the supply chain.

## 8. Actions to High Risk Minerals

The Fujitsu Components Group promotes the investigation of the High Risk Minerals in line with OECD Due Diligence Guidance. We use the 'Responsible Materials Initiative (RMI) for conflict minerals and cobalt' reporting template for these investigations. We will continue the activities to smelting manufacturers and to improve transparency of supply chain to provide reliable information for the customers.



## 9. Third Party Evaluation

### ■ ISO14001: 2015

Fujitsu Components Group has started activities under ISO14001: 2015 in FY2016. We have passed the migration examination in FY2017 and have received the certifications after that.



### ■ EcoVadis Sustainability Evaluation

We have been awarded a Silver rating with an overall score of 62 points for sustainability performance in an assessment conducted by EcoVadis (Headquarters: France) in 2020. It was rated an exceptional 80 points in the Environment category.



### ■ Contact

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