

Fujitsu Frontech Group  
**Environmental  
Report 2022**



## Our Environmental Priority Themes

**Based on “Fujitsu Frontech Group Environmental Policy”, we pursue rich, beautiful nature and sustainable social development, cooperating with society.**

We, Fujitsu Frontech Group, decide on “Fujitsu Frontech Group Environmental Policy” based on the trend for global environmental issues around companies such as global warming issue and biodiversity conservation, Fujitsu Group Environmental Policy and Medium- to Long-term Environmental Vision, and establish “Fujitsu Frontech Group Environmental Action Plan” based on the policy, and practice it.

In “Stage X” (FY2021 – 2022), we have established a wide range of action items, such as “climate change” and “resource circulation” which are closely associated with SDGs, and take actions now.

### Fujitsu Frontech Group Environmental Policy

#### Philosophy

We, Fujitsu Frontech Group, follow Fujitsu Group Environmental Policy and define “eco-friendly business activity” as our basic philosophy. We also promote our efforts for the earth environmental protection, recognizing it as one of the most important business issues.

By utilizing our own technology and creativity as an ICT company, we contribute to the sustainable development of society. In addition, we not only comply with the environmental laws, regulations and standards applicable to our business activities, but also make efforts for the earth environmental protection activities by ourselves.

Moreover, we continuously pursue our advanced efforts by all groups and employees, in order to save a rich nature for future generations.

*Hironmu Kawakami*  
(President and Representative Director)

#### Principles

1. We reduce the environmental burden at every stage through the life-cycle of our products and service.
2. Through our ICT products and solutions, we help our customers and society to reduce their environmental burden and to enhance their environmental efficiency.
3. We create our top-runner products reinforcing the energy efficiency, resource saving and 3Rs (reduce, reuse and recycle).
4. We always recognize the impact on the environment by our activities, products and service, and comply with the applicable environmental laws, regulations, other requirements and our internal guidelines and so on, in order to fulfill our CSR (Corporate Social Responsibility).
5. Based on the results of the environmental impact assessments related to our activities, products and services, we implement pollution prevention and continuous improvement.
6. We set up and review our environmental objectives and targets on “Our Society” and “Our Business”, and each of us make efforts for the earth environmental protection including measures against climate change and protection of biodiversity with participation of all employees.

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#### Scope

This report applies to facilities and Group companies in and outside Japan, which are included in our consolidated statement and we pick up information mainly on the sites whose environmental impacts are significant, taking into account stipulating relevant site(s) to the information in each page.

#### Report Period

This report discloses mainly the activities in FY2021 (2021/4 – 2022/3), and the indicated data are the final actual values. However, this report also includes some data from the period other than FY2021.

#### Referred Guideline

We refer to “Environmental Reporting Guidelines 2018” for our information, that Ministry of the Environment issued. (See the page 18.)

#### How to Report

Only PDF version is available on our Group Website, in terms of “paper-less” that we push forward with.

Issue: **September 2022.**

Representative of Issue:

**Hironmu Kawakami, President and Representative Director.**

Representative of Planning & Editing:

**Takashi Fukui, General Manager of Environmental Management Center.**

## Top Message

**We, establishing as our Purpose, "To create a tomorrow with new connections between people and companies, people and society", will contribute to the achievement of SDGs.**

### Fujitsu Frontech Purpose

In 1940, the company, a predecessor of Fujitsu Frontech Limited, was founded in present Tsubame-shi, Niigata Prefecture, Japan, under the name of "Kanaiwa Kosakusho Co., Limited" as a manufacturer of western style metal tableware. Since then, while expanding our business into solutions & services based on reliability cultivated by hardware and manufacture, we have supported innovation at front area of customers' businesses in the wide range of businesses such as in financial, retail, public, medical and manufacturing fields, globally.

From a global standpoint, COVID-19 which has been raging throughout the world, seems to calm down gradually. On the other hand, new difficult global issues such as Ukraine Crisis and inflation have arisen, and the situation remains uncertain and chaotic. In the era of VUCA (Volatility, Uncertainty, Complexity, Ambiguity), where any situations change rapidly, we have decided to comply with Fujitsu Way and established Fujitsu Frontech Purpose to clarify who we are, where we are heading, and what we can do. Thus, we took a new step forward by defining "To create a tomorrow with new connections between people and companies, people and society" as Purpose.

We have long cherished the technical capability and excellence of our hardware, software and services while enhancing the customer experience based on industry knowledge and know-how. These are our DNA (enduring strengths and values) and based on these strengths and values, we aim to become a DX (Digital Transformation) company at the forefront of our customers.

When people touch "MONO (product)" and interact "KOTO (service-oriented way of thinking)", we create new connections between people and companies, people and society. We strive to change the world to a place where people can enjoy entirely new services, by connecting human interaction and digital technologies. We will "challenge" to realize this vision, and as a result, we will continue to "provide value" that exceeds expectations to all stakeholders. Moreover, we will push forward with efforts to achieve SDGs, global common targets.

### Actions on Global Environmental Issues

We evaluate environmental aspects such as GHG and waste, to identify priority themes whose environmental impacts are significant. After that, we establish "Fujitsu Frontech Group Environmental Action Plan" and practice it, to tackle global environmental issues.

In the "Environmental Action Plan X" (FY2021 – 2022), we now address 3 kinds of themes which are "Actions on Climate", "Promotion of Resource Circulation" and "Original Themes".

In "Actions on Climate", we set targets of "Reduce greenhouse gas emissions in our business facilities by 24% or more compared to FY2013", "Increase renewable energy use to 8% of total electricity" and "Reduce CO<sub>2</sub> emissions derived from product use by 15% or more compared to FY2013".

In "Resource Circulation", we set a target of "Improve resource efficiency of products newly developed by 10% or more compared to FY2019".

In "Original Themes", we set targets of "Reduce the amount of waste by 27% or more compared to average level of FY2012 – FY2014", "Development & delivery of SDGs Contribution Solutions" and "Social activities as good corporate citizenship".

Now, we promote activities to hit these targets.

And, to hit the mid-term target of "FUJITSU Climate and Energy Vision" which is "Reduce GHG by 71.4% compared to 2013 by the end of 2030, we have begun introducing renewable energy in and outside Japan in earnest since FY2021, in addition to energy saving measures we had already adopted.

Furthermore, we will reinforce activities such as internal communication, thorough recycling and so on, in a more positive manner than ever, to help plastic waste issues to be resolved, following "the Act on Promotion of Resource Circulation for Plastics" put into force in April 2022 in Japan.



**Hiromu Kawakami**  
President and Representative Director



## Corporate Profile

<b>■ Name</b> FUJITSU FRONTECH LIMITED	<b>■ Management</b> Representative Director <b>Hiromu Kawakami</b> Director <b>Naoki Yoshida</b> Director <b>Hiroshi Watabe</b> Audit & Supervisory Board Member <b>Koichi Takahashi</b>
<b>■ Corporate Headquarters</b> 1776 Yanokuchi, Inagi-shi, Tokyo 206-8555 Japan TEL: +81-42-377-5111	<b>■ List of Certificates of ISO14001</b> Fujitsu Frontech Limited Certificate #: EC98J2005-D050 Totalizator Engineering Limited Certificate #: EC07J0072 Fujitsu Die-tech Corporation of the Philippines Certificate #: 10000352049-MSC-JAS-ANZ-PHL Fujitsu Frontech North America Inc. Certificate #: 10000332136-MSC-ANAB-USA
<b>■ Established</b> November 9, 1940	
<b>■ Capital</b> 8,457 million yen (as of March 31, 2022)	
<b>■ Employees</b> 3,842 (Consolidated) 1,575 (Non-consolidated) (as of March 31, 2022)	
<b>■ History</b>	
<b>1940</b>	Found in Tsubame-machi, Nishikambara-gun (current Tsubame-shi), Niigata prefecture, under the name of Kanaiwa Kousakusho Co., Limited.
<b>1944</b>	Fuji Tsushinki Manufacturing Corporation (current Fujitsu Limited.) undertakes all shares and changes the company name to Kambara Kikai Kogyo Limited.
<b>1962</b>	Establishes the Yoshida Plant (current Niigata Plant) in Yoshida-machi, Nishikanbara-gun (current Yoshida Higashi Sakae-cho, Tsubame-shi), Niigata prefecture.
<b>1963</b>	Establishes the Yanokuchi Plant (current Headquarters/Tokyo Plant) in Inagi-machi, Minamitama-gun (current Inagi-shi), Tokyo.
<b>1974</b>	Begins development, manufacture and sales of financial terminal systems.
<b>1980</b>	Begins development, manufacture and sales of retail terminal systems.
<b>1984</b>	Begins development and manufacture of bill recycling unit for financial terminal systems.
<b>1988</b>	Qualifies for listing in the 2nd section of the Tokyo Stock Exchange.
<b>1996</b>	Establishes a subsidiary Fujitsu Die-tech Corporation of the Philippines in Philippines.
<b>2001</b>	Transfers the manufacture of electronic equipment from Fujitsu Kumagaya Plant.
<b>2002</b>	Changes the company name to Fujitsu Frontech Limited.
<b>2004</b>	Begins development, manufacture and sales of palm vein authentications and related software.
<b>2005</b>	Begins development, manufacture and sales of UHF RFID tags.
<b>2009</b>	Establishes Fujitsu Frontech North America Inc. (Fujitsu Frontech Limited purchases 100% shares of Fujitsu Transaction Solutions Inc. and institutes it as a subsidiary company.)
<b>2020</b>	Becomes a wholly-owned subsidiary of Fujitsu Limited.

## Business Profile

**We develop business at the point of contact (front) where our customers and consumers meet, in business fields such as financial, retail and industrial and public sector.**

We offer new value from the idea of "KOTO" (service oriented way of thinking) to enhance customers business in area such as "transformation of the front-end of customer business", "labor saving and automation" and "safety and security", making use of our advantages, our unique technologies (leading edge palm vein authentication, RFID and others) and customer experience and systems engineering skills based on industry knowledge and know-how, perfectionism in manufacturing, and a union of hardware, software, and services, in addition to our core technologies grounded in many years of practice, such as cash handling and safe and secure settlement methods.

Our Business Fields	Main Business
<b><u>Finance &amp; Retail</u></b> Provide the optimum solutions for customer needs to support driving efficiency in field works and promoting DX	•Financial Solutions (Including ATMs and banking terminals, etc.) •Financial Services (Including ATM total outsourcing services, etc.) •Industrial & Public Solutions (Including cash deposit machines and payment kiosk, etc.)
<b><u>Services</u></b> Secure safety and security of customers with total services and comprehensive support systems	•Cash management services "TeamCloud/CM" •Help desk services •Installation services •Operation support services •Maintenance and repair services
<b><u>Frontline Solution</u></b> Provide solutions corresponding to new lifestyle based on unique technologies	•Palm Vein Authentications •RFID / Sensor Solutions •Subscription Services •Payment Solutions •Mobile Systems
<b><u>Totalizator &amp; Amusement</u></b> Support innovation of customers, from public racecourses to amusement park	•Solutions for public racing (Including automatic vending and refunding machines and cashless totalizator terminals, etc.) •Comprehensive operation services
<b><u>Global</u></b> "No downtime, Long-lasting, Recycling" We provide variety of solutions which meet customer needs finely in global markets	•Bill Recycling Units •Self-service solutions for retail stores outside Japan •Airline Printers •RFID solutions for linen rental and laundry •Multimodal biometrics authentication solutions



•Palm Vein Authentications



•Help-desk Services



•Cashless / ticketless betting system



•Medical uniform management solution

## Environmental Management System

**We establish and operate Environmental Management System (EMS) based on ISO14001, to enhance our environmental performance.**

### Environmental Management System in Fujitsu Frontech Group

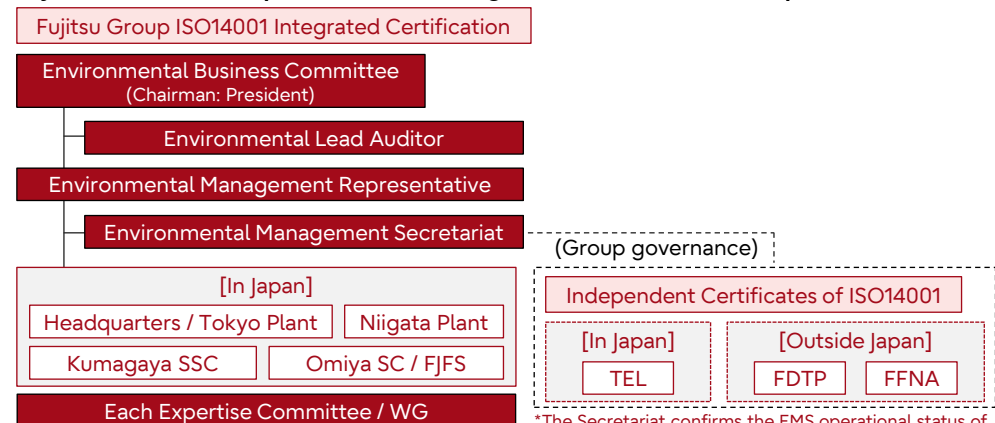
We obtained the certification of ISO14001 for the first time in 1998, recognizing the importance of actions on the environment issues as one of the main responsibilities of businesses. After that, we transited to "Fujitsu Group Integrated Certification" in 2005, so as to realize aims such as "Further reinforcement of Group governance", that Fujitsu Group had set.

### Environmental Organization

We organize "Environmental Business Committee", whose chairman is a president, with the approval of our "Business Committee", composed of directors and executive officers involved in our business execution, to discuss comprehensive issues relevant to our environmental business. In this committee, we, for example, review medium- to long-terms issues, make policies, share risks and opportunities in business derived from climate change, and consider the countermeasures, in the purpose of enhancing the environmental business and reinforcing the governance.

In addition, we also organize "Environmental Management Committee" whose chairman is Site Controller (assuming the level of executives) at each EMS site. In this committee, we, for instance, discuss the whole environmental activities, review issues at a site level, make policies, share risks and opportunities, and consider the countermeasures.

### Fujitsu Frontech Group Environmental Organization Chart (As of September 2022)



#### [Official names of our bases in and outside Japan]

Kumagaya SSC: Kumagaya Service Solution Center  
Omiya SC: Omiya Solution Center  
FJFS: Fujitsu Frontech Systems Limited

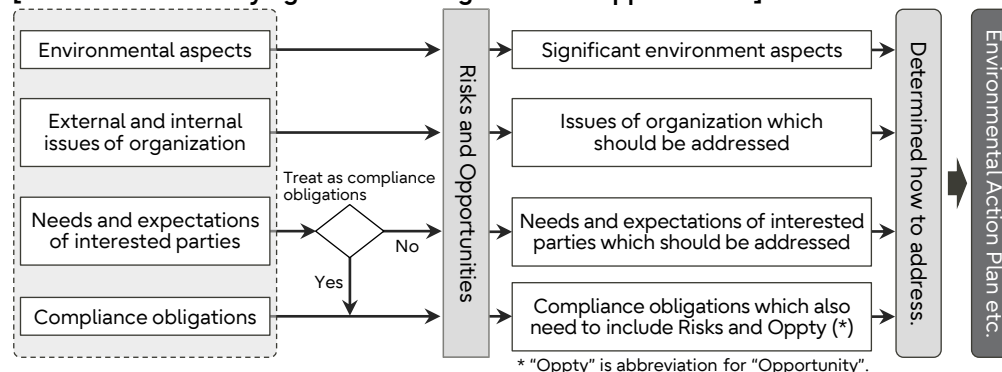
FDTF: Fujitsu Die-tech Corporation of the Philippines  
FFNA: Fujitsu Frontech North America Inc.

\*The Secretariat confirms the EMS operational status of each Group company acquiring independent certificate periodically, and reports on the results at our management review.

### Method to Identify and Address Environmental Risks and Opportunities

We, through the EMS established on the basis of ISO14001, identify and evaluate material environmental risks and opportunities, to be determined how to address these issues. In addition, we, based on ISO14001:2015, establish and operate processes to identify risks and opportunities having impacts on our business, which include factors besides "Environment" like "External and internal issues of organization" and "Needs and expectations of interested parties".

#### [Processes of Identifying and Evaluating Risks and Opportunities]



\* "Oppty" is abbreviation for "Opportunity".

#### [Major Risks and Opportunities Determined to Address as EMS Issues (FY2022)]

Risks & Opportunities Determined to Address as EMS Issues			Items in "Action Plan"
➤ Significant environmental aspects			
1	Some kinds of energy including electricity	Risk	"Actions on Climate"
2	Waste	Risk	"Original Themes"
➤ Issue of organization (external and internal)			
1	Climate change	Risk	"Actions on Climate"
2	Sustainable resource use	Risk	"Original Themes"
3	Preservation of biodiversity and ecosystem	Risk	"Original Themes"
4	Contribution to SDGs & Gain of business chances	Oppty	"Promotion of Resource Circulation", etc.
➤ Needs and expectations of interested parties			
1	ESG (Environment, Social and Governance)	Oppty	"Original Themes"
2	FUJITSU Climate and Energy Vision	Oppty	"Actions on Climate"
3	TCFD, CDP, SBTi, RE100, etc.	Oppty	"Actions on Climate"

## Environmental Action Plan

In “Environmental Action Plan Stage X”, we set material issues such as climate and resource circulation as targets, and address them.

### Environmental Action Plan Stage X (FY2021 – 2022)

Categories	Targets	Scope	FY2022	FY2021		
			1-year KPIs	1-year KPIs	Results	Judge
Actions on Climate Change (Decarbonization)	<b>To reduce GHG emissions</b> • Reduce greenhouse gas emissions in our business facilities to 24% or more compared to FY2013 by the end of FY2022	HQs / Tokyo Plant Niigata Plant Kumagaya SSC	Under 6,057 tons-CO <sub>2</sub>	Under 6,172 tons-CO <sub>2</sub>	5,568 tons-CO <sub>2</sub> (-29.1%)	Met
	<b>To introduce renewable energy</b> • Increase renewable energy use to 8% of total electricity by the end of FY2022	HQs / Tokyo Plant Niigata Plant Kumagaya SSC FDTP FFNA	8%	4%	4.7% (*)	Met
	<b>To reduce CO<sub>2</sub> emissions derived from product use</b> • Reduce CO <sub>2</sub> emissions derived from product use to 15% or more compared to FY2013 by the end of FY2022	HQs / Tokyo Plant	No less than 15%	To reduce CO <sub>2</sub> emissions	Now developing product	--
Promotion of Resource Circulation	<b>To promote resource efficiency of products</b> • Enhance resource efficiency of products newly developed to 10% or more compared to FY2019 by the end of FY2022	HQs / Tokyo Plant	No less than 10%	To enhance resource efficiency	Now developing product	--
Original Themes	<b>To reduce waste generations</b> • Reduce the amount of waste to 27% or more compared to average level of FY2012 – FY2014 by the end of FY2022	HQs / Tokyo Plant Niigata Plant Kumagaya SSC	Under 299 tons	Under 299 tons	233 tons (-43%)	Met
	<b>To develop and deliver SDGs Contribution Solutions</b> • To develop no less than 5 SDGs Contribution Solutions in FY2022	HQs / Tokyo Plant Kumagaya SSC Omiya SC / FJFS	No less than 5 solutions	No less than 5 solutions	8 solutions	Met
	<b>Social activities as good corporate citizenship</b> • Promote broad social activities	HQs / Tokyo Plant Niigata Plant Kumagaya SSC Omiya SC / FJFS	No less than 40 cases	No less than 40 cases	56 cases	Met

\* From FY2022, its scope was expanded to both 3 sites in Japan and 2 ones outside Japan. Indicated result of FY2021 was only in Niigata Plant which had been within the scope at the beginning of the year.

## Response to TCFD

**We strive to disclose for all stakeholders, based on the Framework of “The Task Force on Climate-Related Financial Disclosures (TCFD)”, with the assessment and management of the risks.**

### Information Disclosure Based on TCFD's Framework

Items	Status of our Response	Relevant Information
<b>Governance</b> The organization's governance around climate-related risks and opportunities	<ul style="list-style-type: none"> <li>Review climate-related risks and opportunities and countermeasures at Environmental Business Committee (chairman: President and Representative Director), which is organized with the approval of our “Business Committee”</li> <li>Make plans for climate-related countermeasures and practice them at Expertise Committee of each site, etc.</li> <li>Discuss the action plan to achieve Medium/Long-term Environmental Vision “FUJITSU Climate and Energy Vision”, with Fujitsu Limited at Environment WG</li> </ul>	<ul style="list-style-type: none"> <li>&gt; <a href="#">Fujitsu Way</a></li> <li>&gt; <a href="#">Fujitsu Frontech Purpose</a></li> </ul>
<b>Strategy</b> The actual and potential impacts of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning	<ul style="list-style-type: none"> <li>Take part in CO<sub>2</sub> zero emission plan of “FUJITSU Climate and Energy Vision”, which was established based on 1.5°C scenario that, the Initiative (SBTi: Science Based Targets initiative) setting science-based greenhouse gas reduction targets, recommends</li> <li>Contribute to low-carbon society, by developing and delivering “Green Products” and “SDGs Contribution Solutions”, whose energy efficiency is excellent</li> <li>Let “low-carbon business” come true, through the expansion of renewable energy etc.</li> </ul>	<ul style="list-style-type: none"> <li>&gt; <a href="#">Actions on Climate Change</a></li> <li>&gt; <a href="#">Green and Super Green Products</a></li> <li>&gt; <a href="#">SDGs Contribution Solutions</a></li> </ul>
<b>Risk Management</b> The processes used by the organization to identify, assess, and manage climate-related risks	<ul style="list-style-type: none"> <li>Assess climate-related risks across the company</li> <li>Review medium- and long-term risks related to climate change identified through EMS at Environmental Business Committee etc., so as to draw up plans of sustainable development of our business</li> <li>Respond to climate-related risks in the whole Fujitsu Group, cooperating with Fujitsu Limited</li> </ul>	<ul style="list-style-type: none"> <li>&gt; <a href="#">Environmental Policy</a></li> <li>&gt; <a href="#">Environmental Management System</a></li> </ul>
<b>Metrics and Targets</b> The metrics and targets used to assess and manage relevant climate-related risks and opportunities	<ul style="list-style-type: none"> <li>Establish the environmental targets of “Actions on Climate (Decarbonization)”, as one of the items in “Fujitsu Frontech Group Environmental Action Plan”</li> <li>Take part in “FUJITSU Climate and Energy Vision” aiming for “the goal of bringing the Fujitsu Group's CO<sub>2</sub> emissions to zero by 2050, as well as contributing to the achievement of a decarbonized society and the adaptation to climate change”</li> </ul>	<ul style="list-style-type: none"> <li>&gt; <a href="#">Environmental Action Plan</a></li> <li>&gt; <a href="#">Value Chain Emissions (Scope 1,2,3)</a></li> <li>&gt; <a href="#">FUJITSU Climate and Energy Vision</a></li> <li>&gt; <a href="#">Environmental Report</a></li> <li>&gt; <a href="#">Sustainability</a></li> </ul>

#### [About TCFD]

TCFD stands for “The Task Force on Climate-Related Financial Disclosures”, which was established by Financial Stability Board (FSB) at the request of G20 with the objective to reduce the risk of instability in the financial market due to climate change. It recommends companies to disclose information on 4 themes relevant to climate-related risks and opportunities, which consist of “Governance”, “Strategy”, “Risk Management” and “Metrics and Targets”.

#### [Response to TCFD in Fujitsu Group]

The Fujitsu Group announced its support for the TCFD recommendations in April 2019 and strives to disclose information in line with the recommendations, including the response to CDP. (Linked: <https://www.fujitsu.com/global/about/environment/tcfd/>)

## FUJITSU Climate and Energy Vision

We, based on The Fujitsu Group Medium/Long-term Environmental Vision “FUJITSU Climate and Energy Vision”, establish the target to reduce GHG emissions, and take actions on climate change.

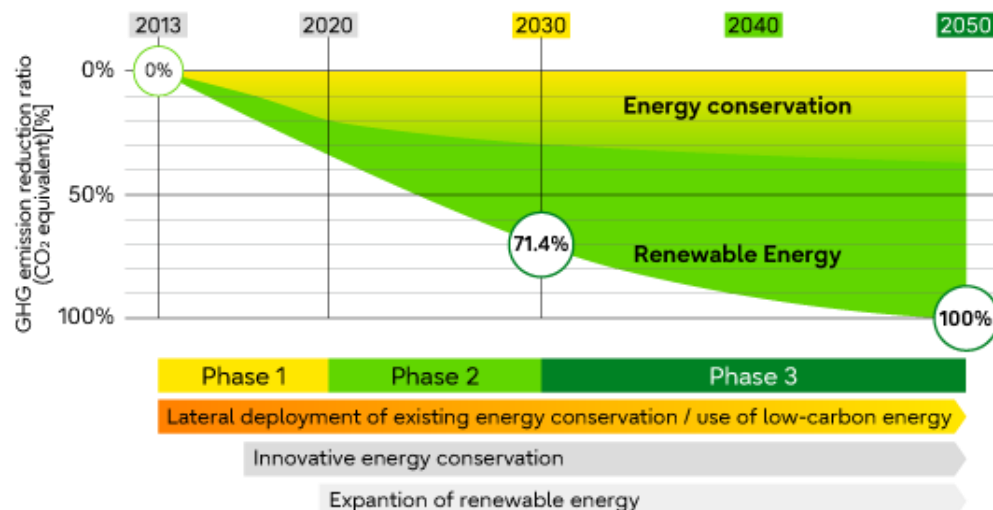
### Actions in Fujitsu Group

The Fujitsu Group considers climate change to be a serious issue that must be addressed, and we have been actively working to meet the goals we previously set in our Environmental Action Plan. Furthermore, in order to contribute to addressing the issue as a leading company, we recognized the need for the Fujitsu Group to have a long-term vision and tackle the issue as a united group. We gathered knowledge and engaged in dialogue with various stakeholders through interviews with outside experts and the activities of external organizations. Taking these into account, the former Environmental Management Committee (Now the Sustainability Management Committee), led by the President, formulated the Fujitsu Climate and Energy Vision, our medium- to long-term environmental vision with regard to climate change, and we made it public in May 2017.

In addition, in April 2021, we revised the emissions reduction targets in FY 2030 shown in Vision 1 from 33% to 71.4% in order to accelerate our own moves toward decarbonization.

(Detail: <https://www.fujitsu.com/global/about/environment/climate-energy-vision/>)

### The Roadmap to Reduce the Fujitsu Group's CO<sub>2</sub> Emissions to Zero by 2050



### Actions in Fujitsu Frontech Group

In the purpose of realizing “FUJITSU Climate and Energy Vision”, we establish the target of “To reduce GHG emissions in our business facilities” as a theme, which includes both 1-year and mid-term KPIs, and tackle it.

In FY2021, we have reduced 2,458 tons-CO<sub>2</sub> (-22.3%) compared to FY2013, as a result that we had made efforts through investments including renewable energy (RE), LED lightings and energy efficient environmental test chambers as well as through operational improvements such as visualization of electricity consumptions and operation of Energy-saving Committee.

(Detail: <https://www.fujitsu.com/jp/group/frontech/en/about/sustainability/environment/climate-action/index.html>)



Highly efficient chamber (HQs / Tokyo Plant)



Full replacement to LED lightings (FDTP)

### Reinforcement of actions toward achieving 1.5°C scenario

To achieve the target of Phase 2 (Reduce GHG emissions to 71.4% compared to 2013 in 2030) which was modified due to re-certification of the Fujitsu Group's roadmap at 1.5°C, we continue to reinforce our actions.

In particular, because Fujitsu Group declares its intention to introduce RE in sites to 40% of all purchased electricity by 2030 in RE100, we have also made a same plan and started introducing RE in Niigata Plant and FDTP, one of our Group companies outside Japan in FY2021. In FY2022, we are planning to increase the volume of RE, in order to reduce more GHG emissions.

In addition, FDTP continuously builds up energy management structure within the plants by establishing EnMS (energy management system), appointing energy managers and so on, in order to reduce GHG emissions, following legal requirements of Republic Act No. 11285 named “An Act Institutionalizing Energy Efficiency And Conservation, Enhancing The Efficient Use Of Energy, And Granting Incentives To Energy Efficiency And Conservation Projects” put into force in November 2019.









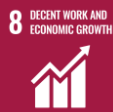








## Actions on SDGs

Through our products and solution services connecting people to ICT with cutting-edge technologies, we make contributions to SDGs.

### Actions on SDGs in Fujitsu Frontech Group

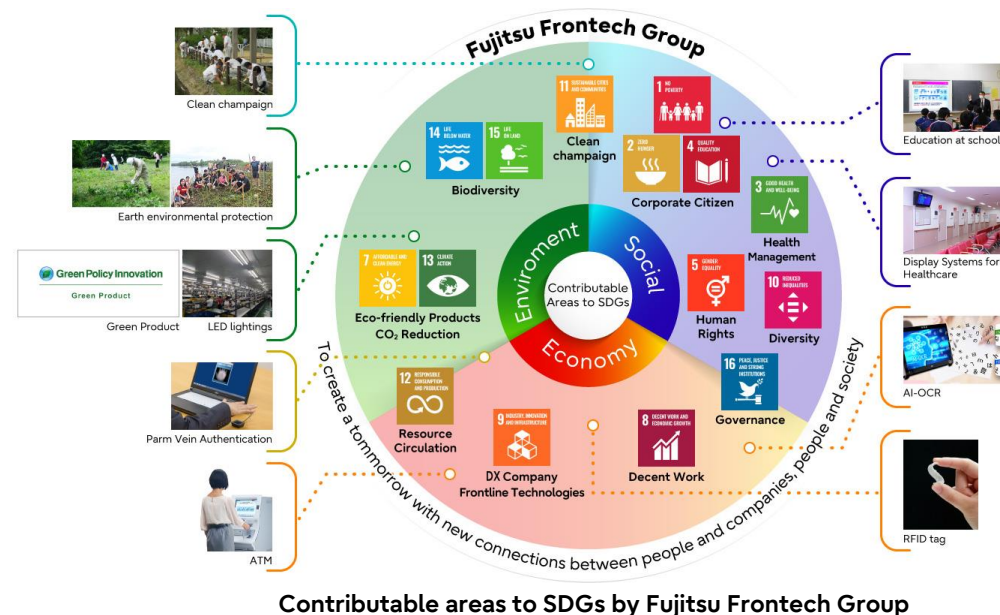
Contribution to the achievement of SDGs in a forward-looking manner is the social responsibility of all companies, because they will not be able to run own businesses continuously unless Environment, Social and Economy are kept sustainable. We have been taking broad actions on SDGs to resolve not only environmental issues such as climate change but social and economic ones, since we noticed the importance of SDGs at an early stage. The following is introduction of our actions on SDGs.

#### [Our Actions on SDGs]

Themes	Major Actions	Related SDGs
<u>Climate Change</u>	<ul style="list-style-type: none"> <li>Reduction of GHG emissions</li> <li>Introduction of RE</li> <li>Increase of products energy efficiency</li> </ul>	  
<u>Sustainable Resource Use</u>	<ul style="list-style-type: none"> <li>Actions on plastic waste issues</li> <li>Promotion of waste recycling</li> <li>Resource savings &amp; improvement of resource circulation in products development</li> </ul>	  
<u>Resolution of Social &amp; Economic Issues</u>	<ul style="list-style-type: none"> <li>SDGs Contribution Solutions</li> </ul>	  
<u>Good Corporate Citizenship</u>	<ul style="list-style-type: none"> <li>Social activities in cooperation with local community</li> <li>Sponsorship of charity work and group</li> </ul>	  
<u>Human health, Diversity and Human Rights</u>	<ul style="list-style-type: none"> <li>Promotion of health management</li> <li>Promotion of active women participation</li> <li>Efforts to hire people with disabilities</li> <li>Education on human rights</li> <li>CSR procurement</li> </ul>	  

### Contributable Areas to SDGs by Fujitsu Frontech Group

In each category of Environment, Social and Economy and 17 goals of SDGs, we take actions, being aware of what's areas we can contribute to.



Contributable areas to SDGs by Fujitsu Frontech Group

### External Reputation

#### Nikkei SDGs Management Survey

Fujitsu Frontech was certified as the 3-star class for 3 consecutive years in Nikkei SDGs Management Survey 2021 (the 3rd time), which Nikkei Inc. has implemented since 2019 targeting listed companies and influential privately-owned companies in Japan, as a result of total evaluation of our activities. This survey evaluates leading enterprises which strive for "SDGs management" positively to enhance their corporate brands, from 4 perspectives, "SDGs strategy and economic value", "social value", "environmental value" and "governance".



## Summary of “SDGs Contribution Solutions”

We develop and deliver solutions combining hardware with software, which include cutting-edge technologies such as palm vein authentication, UHF RFID tags (linen tags) and beacon sensors. These solutions meet a variety of needs and expectations from customer in the markets like finance, retail, public facilities, health care, logistics and mobility as well as support various scenes in society including financial institutions, health care facilities and shopping centers.

“SDGs Contribution Solutions” that we develop, are in order to contribute not only to solving the environmental issues like climate change focused by SDGs, but to sustainable development of society and economy. We have established the scheme by making rules including the criterion of the solutions in our original guideline, and we push forward with this activity now.

Special webpage of SDGs Contribution Solutions:

<https://www.fujitsu.com/jp/group/frontech/en/about/sustainability/environment/sdgs/>

## Results of “SDGs Contribution Solutions” in FY2021

In FY2021, we could register total of 8 solutions in actual, as the matrix below:

### ["SDGs Contribution Solutions" in FY2021]

#	Name of Solutions	Environmental improvement rate*
1	ATM Total Outsourcing	-29.5%
2	Firewall (FW) Check Tool	-46.8%
3	Digital Journal System for public racing game	-55.9%
4	ATM Remote Logs Collection System	-98.1%
5	Cush Management Operation Services	-19.0%
6	Tax Form Automatic Recognition System	-32.4%
7	Smartphone ATM Payment System	-15.5%
8	RFID Inventory Check Improvement System	-76.4%

\* “Environmental improvement rate” indicates the “reduced rate” after the introduction of solutions versus before it, that is, the comparison with “before-and-after” related to CO<sub>2</sub> emissions derived from travel, logistics, working time, electricity consumption of equipment and so on.

## Case Study of “SDGs Contribution Solutions”

### RFID Inventory Check Improvement System

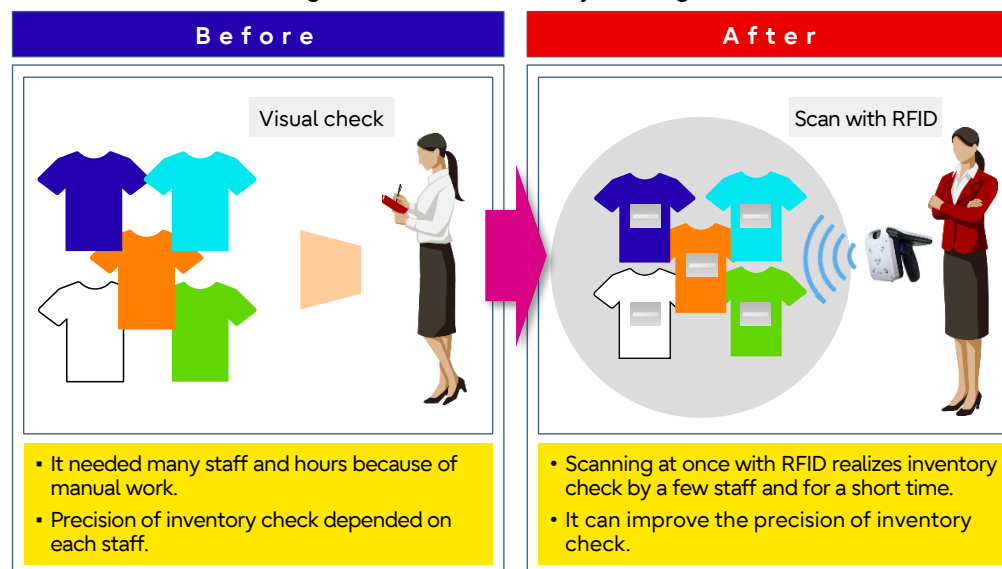
#### ■ System summary

Conventional inventory check needed a lot of working staff and hours, because the way of check was manual. In addition to the issue, there was another one that a shop could not gain precise inventory data due to the variation of precision of inventory check.

By introducing this system, staff can check inventories not one by one but at once. As a result, it can lead to the large decrease of burden of staff, thanks to the realization of inventory check by a few persons and for a short time. Moreover, it can also improve the precision of inventory check by each staff, because the counting method is not manual but scanning with RFID devices. Consequently, it will be possible not only to decrease working hours, but to reduce related CO<sub>2</sub> emissions.

#### ■ Before-and-after of system introduction

Because the system enables staff to check inventories not one by one but at once with RFID, it can lead to the large decrease of necessary working staff and hours.



#### Contributable factors to SDGs:



Let decent work come true.



Reduce CO<sub>2</sub> emissions of customer, by the improvement of productivity and work performance etc. through ICT.

## Efforts in Solutions and Services

We offer customers one-stop solutions for their now and future.

### Activity in Solution & Service Business

We, Fujitsu Frontech, live up to customer's expectations by one-stop solutions combining with hardware, software and services, based on experiences we have had through products development and manufacture in mission-critical areas such as financial, retail, industrial and public.

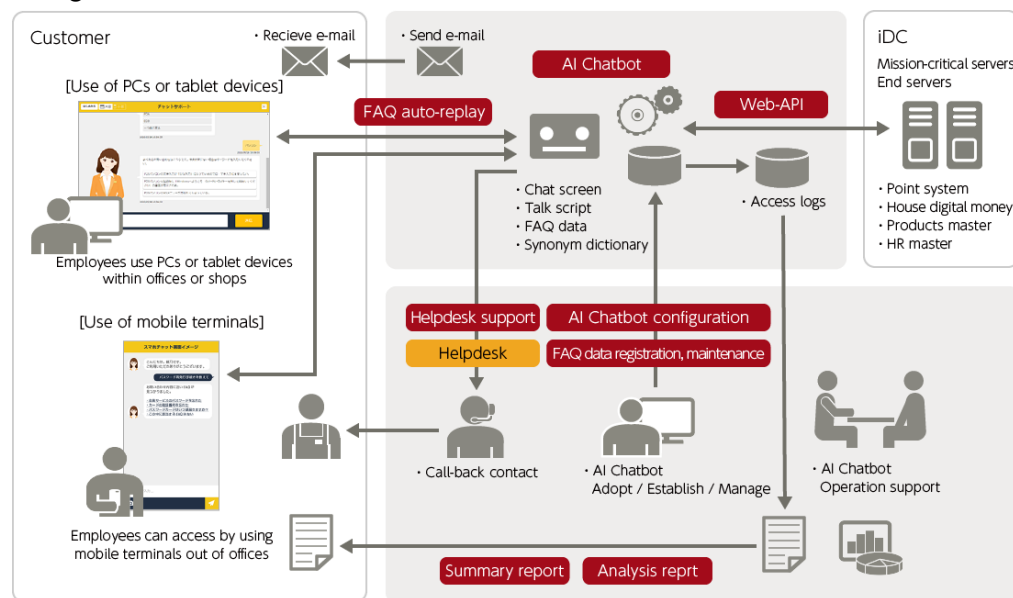
Moreover, we define cutting-edge technologies such as "Palm Vein Authentication" and "UHF band RFID" as "core technologies" bringing digital reformation to the front-end of customers. And, by aspiring to develop more advanced technologies, we will offer solutions and services creating new values for customer's business.

### Introduction: FUJITSU Retail Solution TeamConnect

TeamConnect is our service that AI chatbot responds to a variety of inquiries from customer's shops 24 hours a day and 365 days a year.

By linking enterprise system of customers with this AI chatbot, various procedures can be done automatically.

#### [Image of the Service]



### Case Study: FRESTA Co., Ltd (Adoption of Chatbot on Website)

FRESTA Co., Ltd, a supermarket company, running a business mainly in Hiroshima Prefecture, adopted this AI chatbot on both its corporate website and EC website in February 2022. The adopted AI chatbot let come true, both operational guidance and automatic response to customers who visit on the websites.

#### ■ Background

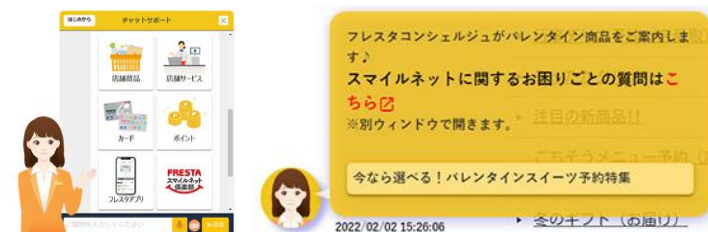
Before adopting the AI chatbot, FRESTA has been considering some issues like response to inquiries increased due to renewal of its corporate and EC website, prevention of conventional customers leaving and acquisition of new customers. As a result, under the circumstance of serious labor shortage, FRESTA decided to try to adopt the AI chatbot, aiming to reduce the number of calls from customers.

#### ■ Issues before introduction

- ▶ Accompanied by renewal of EC website and adoption of mobile application, it was estimated that inquiry calls would increase. (e.g.: inquiry about password reset etc.)
- ▶ Increase of sales on EC website and users

#### ■ Effectiveness after introduction

- ▶ The automatic inquiry system for visitors on EC website could curb the increase of calls, owing to its Q&A services 24 hours a day and 365 days a year.
- ▶ Also established the push notification system to send customers on EC website the information on events and recommendable products, to enhance sales capabilities.



Screen image of "AI Chatbot" (Japanese text)

#### Contributable factors to SDGs:



Solve issues of staff shortage in shops and call center.



Tool of infrastructure in a retail sector.

## Efforts in Products Development

**We make eco-friendly efforts, throughout supply-chain as well as spread our own expertise in Financial, Retail and Public Sector on global basis.**

### Efforts toward “Environmental Action Plan X”

#### Pursuit of energy and resource efficiency

We take actions on 2 kinds of targets relevant to hardware products development in “Environmental Action Plan X”.

1st target is to develop products excellent for energy efficiency, and 2nd target is to pursue resource saving in products. Through these efforts, we aim to help customers to mitigate their environmental burden as well as to make stronger, our position and competitiveness in the market.

### Products Introduction

#### Compact & smart POS fitting any scene, TeamPoS7000 Model C240

In this POS system, we realized the increase of performance, adapting to the latest platform as well as succeeding to the good points of conventional models like compact slim body and usability.

This system is the most suitable for the shop owners, who wish to make their cash counters slim, to harmonize POS system with shop design or the like.

Moreover, the system not only leads to energy savings and mitigation of the environmental burden, but realizes its low noise and mitigation of uncomfortable noise, thanks to the adoption of a low-speed fan with large diameter.



#### Stylish Banking Terminal, FAINS-NEXT

This device can be connected to many kinds of peripheral equipment such as passbook printer used at a bank counter, scanner, collation device and so on, owing to the adoption of a lot of external interfaces.

In addition, the device can contribute to mitigating the environmental burden because of its long-term cycle of replacement, as well as ensure both high reliability and long-time operation necessary for financial products thanks to the adoption of high-quality circuit boards.



### Green Procurement

Fujitsu Group has established “Fujitsu Group Green Procurement Standard” which frames the basic concepts of procuring eco-friendly parts, materials and products, so that suppliers both in and outside Japan can promote the green procurement.

In FY2021, we continued “Responsible minerals procurement” after the previous year. For instance, we asked suppliers to report on whether or not they procure minerals relevant to local conflicts, and obtained the answers of “No procurement” from them.

Furthermore, to reinforce CSR procurement, we conducted a large-scale inquiry which Fujitsu Limited sponsored, so that suppliers can recognize more than ever that they need to promote their procurement following SDGs and legal requirements together with Fujitsu Group.

### Management of Chemical Substances in Products

#### Establishment of Chemical substances Management System

We are asking our parts suppliers to establish the CMS<sup>\*1</sup> based on “Guidelines for the management of chemical substances in products” which are defined as industrial standard made by JAMP<sup>\*2</sup>, in order to enhance the management of the restricted chemical substances contained in the parts and products in the whole supply chain.

<sup>\*1</sup>: CMS--Chemical substances Management System

<sup>\*2</sup>: JAMP--Joint Article Management Promotion-consortium

#### Acquisition of the information on chemical substances in products

Fujitsu Group, in cooperation with our suppliers, surveys for the information on chemical substances contained in products, and shares obtained information within internal system, by using such chemSHERPA<sup>\*3</sup> provided by the JAMP, to comply with relevant regulations, and to prevent regulated chemical substances contained in products from affecting human health negatively and from contaminating the environment.

<sup>\*3</sup>: It stands for “Chemical information Sharing and Exchange under Reporting Partnership in supply chain”, which is a common scheme to communicate the information on chemicals contained in products.

### Communication with Suppliers

In FY2021, we held an on-line “Business Briefing” to explain our business and procurement policy to suppliers, although canceled annual “Business Party” with suppliers due to the prevention of expanding COVID-19 infection. Moreover, we presented letters of thanks and souvenirs to the suppliers who made significant contributions to our business, as with FY2020.



## Stakeholder Engagement

We, one by one, promote CSR together with stakeholders, as "Corporate Citizenship" at each site and Group company in and outside Japan.

### Social Activities

#### Flower planting (Niigata Plant)

Since FY2013, we have volunteered planting flowers on the flower beds near Yoshida Kasuga-cho intersection in Tsubame-shi. Every year, employees volunteer weeding and picking flowers monthly from April to September. Incidentally, we resumed this activity from FY2022, though it had been suspended due to COVID-19.



Scene of the activity

#### Support of local schools (FDTP: Philippines)

FDTP, together with other companies within the same industrial park, makes efforts to support local schools. In FY2021, FDTP donated a set of rubbing alcohol etc. to a school, in the purpose of preventing COVID-19 infection.



Our staff and donated goods

#### BOOK MAGIC (Donation of used books etc.)

We collect the used books and CDs, etc. lying around in the house or office, which will not be read or listened anymore, and donate the sales to the NPO, JEN (Japan Emergency NGO), who organizes the BOOK MAGIC. The fund earned from the donated items is used to build schools in the developing countries. Incidentally, in FY2022, we started a scheme which enables employees to easily participate in this event by donating items directly from their homes.



Letter of thanks (Japanese text)

### Environmental Communication

#### In-house event of SDGs contribution case studies

In order to stimulate SDGs-related activities within our Group by letting each of employees think of SDGs as their own things, we hold events associated with SDGs.

In FY2021, we held an event called "Introduction of case studies of SDGs contributions by employees" on the intranet. As a result, many employees posted their excellent case studies. Eventually, the event led to revitalization of our SDGs-related activities, because there were, for example, "Solar power generations at home", "Reproduction of pesticide-free crops", "UNCHR's refugee supporter" and so on, which were exemplary.



Reproduction of pesticide-free crops



Sorting of plastic garbage at home

#### Gunma Distinctive Achievement Award in Environmental Activities (FJFS)

FJFS received the distinctive achievement award in environmental activities of the FY2021 from Gunma Prefecture. FJFS has organized volunteer activities for community cleanup as a part of its environmental conservation activities since 2008 and was highly evaluated that it had engaged in forest maintenance in collaboration with local community and contributed to conservation of forest resources.



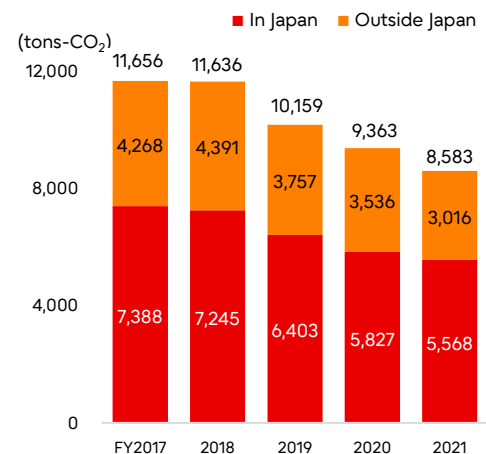
Commemorative photo



Honorable mention certificate

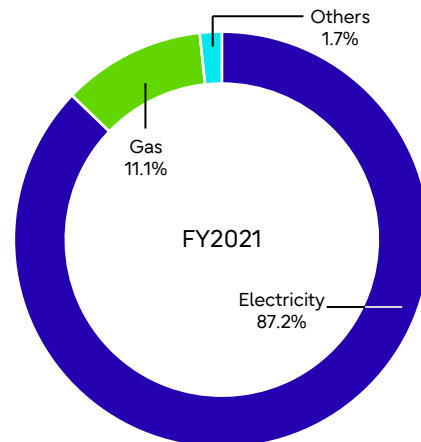
## Environmental Data -Climate Change-

### (1) Total GHG emissions



In Japan: HQs / Tokyo Plant, Niigata Plant, Kumagaya SSC  
Outside Japan: FDTP, FFNA

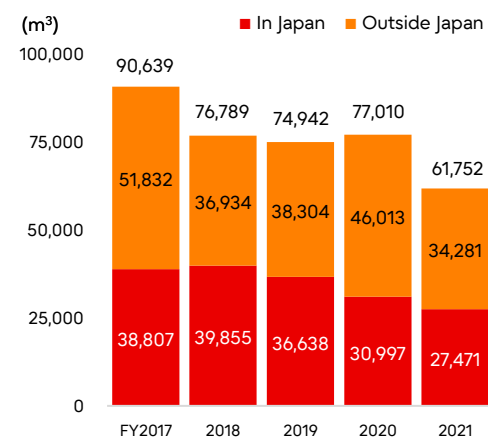
### (2) Ratio of energy use (except RE)



In Japan: HQs / Tokyo Plant, Niigata Plant, Kumagaya SSC  
Outside Japan: FDTP, FFNA

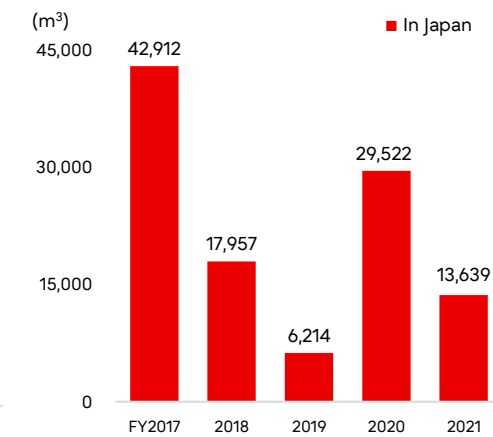
## -Water Resources-

### (1) Tap water



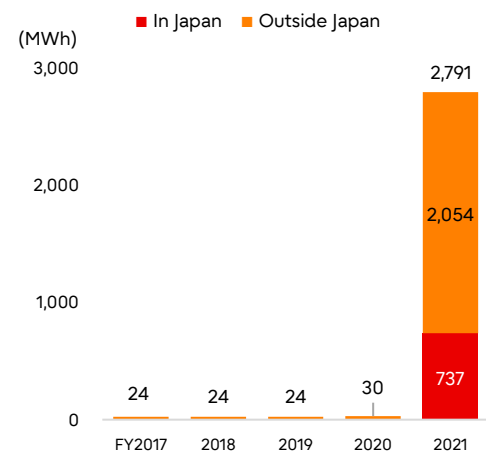
In Japan: HQs / Tokyo Plant, Niigata Plant, Kumagaya SSC  
Outside Japan: FDTP, FFNA

### (2) Ground water (in Japan)



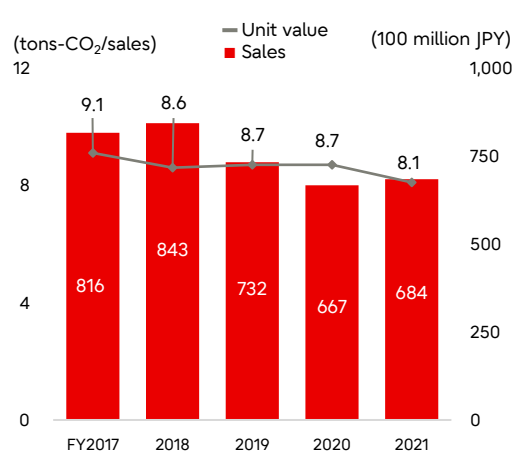
In Japan: HQs / Tokyo Plant, Niigata Plant, Kumagaya SSC

### (3) Renewable energy use



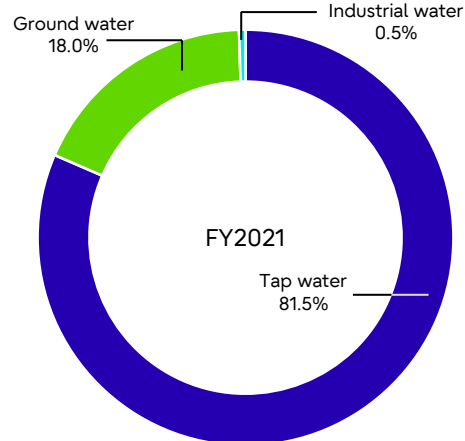
In Japan: HQs / Tokyo Plant, Niigata Plant, Kumagaya SSC  
Outside Japan: FDTP, FFNA

### (4) Unit value of GHG emissions / sales (in Japan)



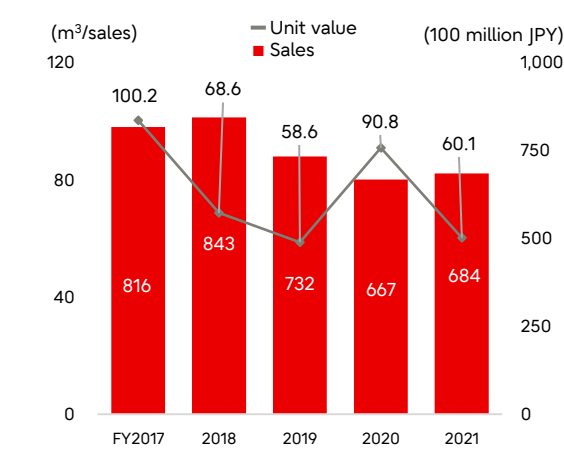
In Japan: HQs / Tokyo Plant, Niigata Plant, Kumagaya SSC

### (3) Ratio of used water



In Japan: HQs / Tokyo Plant, Niigata Plant, Kumagaya SSC  
Outside Japan: FDTP, FFNA

### (4) Unit value of used water / sales (in Japan)



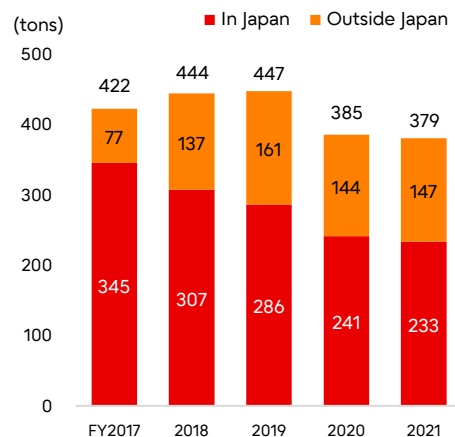
In Japan: HQs / Tokyo Plant, Niigata Plant, Kumagaya SSC

### [Status of water stress in countries where we run business (as of September 2022)]

West coast of U.S. has broad areas of "High" and "Extremely high". Japan and Philippines almost have areas of below "Medium-high". (Reference: Data by WRI)

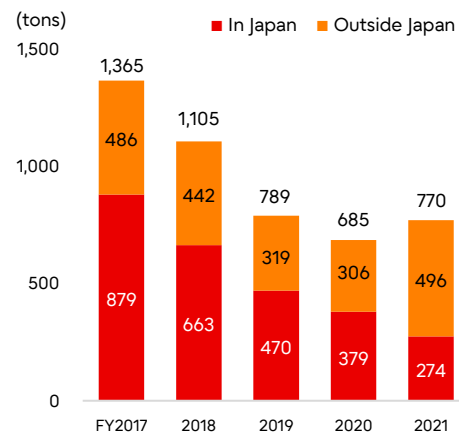
## -Resource Circulation-

### (1) Waste generations



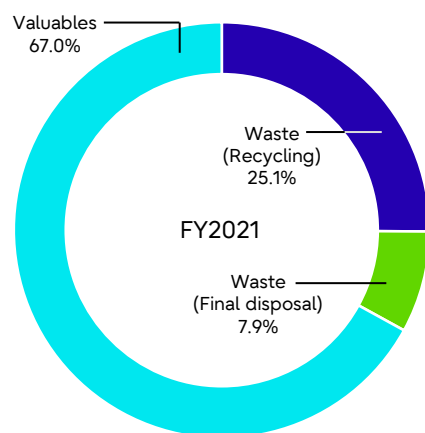
In Japan: HQs / Tokyo Plant, Niigata Plant, Kumagaya SSC  
Outside Japan: FDTP, FFNA

### (2) Sold valuables



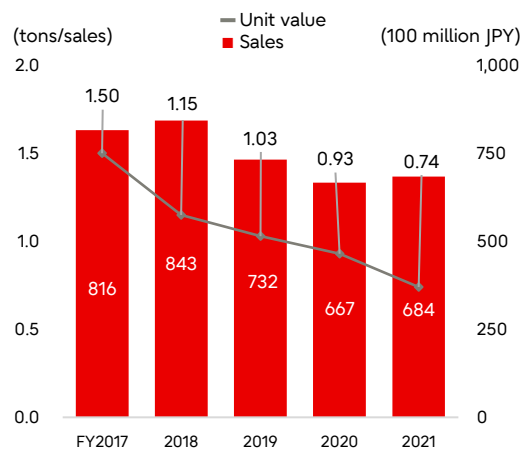
In Japan: HQs / Tokyo Plant, Niigata Plant, Kumagaya SSC  
Outside Japan: FDTP

### (3) Ratio of waste & valuables



In Japan: HQs / Tokyo Plant, Niigata Plant, Kumagaya SSC  
Outside Japan: FDTP, FFNA

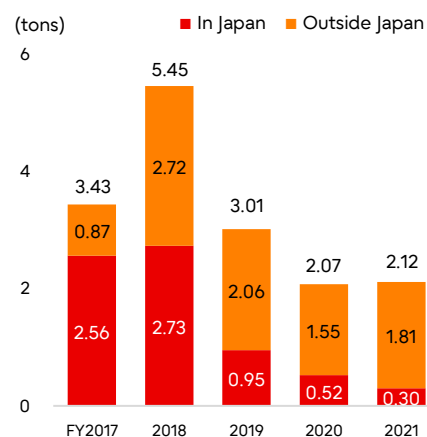
### (4) Unit value of waste & valuables (in Japan)



In Japan: HQs / Tokyo Plant, Niigata Plant, Kumagaya SSC

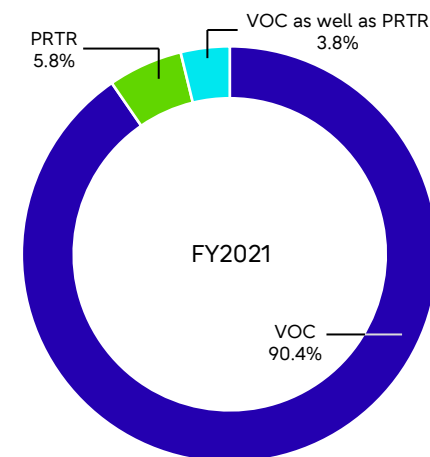
## -Chemical Substances-

### (1) Treated Chemicals



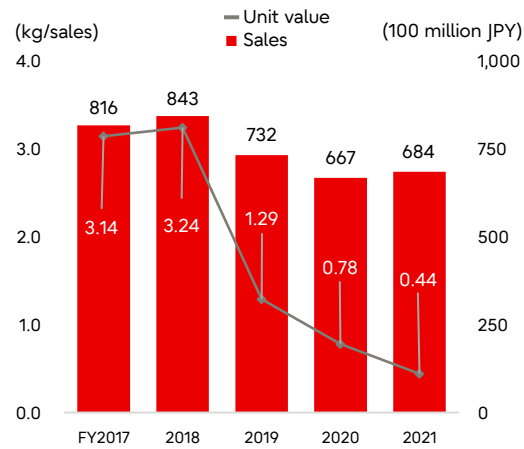
In Japan: Niigata Plant, Kumagaya SSC  
Outside Japan: FDTP

### (2) Ratio of treated chemicals



In Japan: Niigata Plant  
Outside Japan: FDTP

### (3) Unit value of treated chemicals / sales (in Japan)



In Japan: Niigata Plant, Kumagaya SSC

### (4) Main chemicals treated (FY2021)

(Unit: kg)		
Names of chemicals	Types	Volume
In Japan (Niigata Plant)		
Ethanol	VOC	137
Xylene	VOC	36
N-hexane	VOC	18
Toluene	VOC	44
Outside Japan (FDTP)		
Isopropyl Alcohol	VOC	1,776
Acetone	VOC	38

### [About chemicals within the bar and circle graphs]

They are total values of chemicals (VOC, PRTR) whose treated volume is over 100kg per year. Kumagaya SSC was excluded from FY2019.

## -Value Chain Emissions-

We strive to mitigate a wide range of the environmental burden, by grasping total GHG emissions from upstream through downstream and reducing them.

### Value Chain Emissions (Scope 1 – 3)

Unit: tons-CO<sub>2</sub>

Items			FY2018	FY2019	FY2020	FY2021
Scope 3 (Upstream)	CAT 01	Purchased goods and services	139,263	104,240	100,628	121,440
	CAT 02	Capital goods	13	380	0	0
	CAT 03	Fuel and energy-related activities not included in Scopes 1 and 2	601	1,254	1,218	1,127
	CAT 04	Transportation and distribution (Upstream)	2,769	2,133	1,651	2,101
	CAT 05	Waste generated in operations	202	150	127	123
	CAT 06	Business travel	1,512	2,807	475	424
	CAT 07	Employee commuting	1,094	942	82	104
	CAT 08	Leased assets (Upstream)	726	656	586	516
Scope 1 (Reporting company)		Direct emissions	581	534	1,086	1,095
Scope 2 (Reporting company) <sup>*2</sup>		Indirect emissions from energy sources				
		Location-based	11,055	9,625	8,277	7,488
		Market-based	10,637	9,204	7,843	7,437
Scope 3 (Downstream)	CAT 09	Transportation and distribution (Downstream)	N/A <sup>*1</sup>	N/A	N/A	N/A
	CAT 10	Processing of sold products	-- <sup>*1</sup>	--	--	--
	CAT 11	Use of sold products	110,902	68,042	74,071	95,613
	CAT 12	End-of-life treatment of sold products	N/A	N/A	N/A	1,425
	CAT 13	Leased assets (Downstream)	N/A	N/A	N/A	N/A
	CAT 14	Franchises	N/A	N/A	N/A	N/A
	CAT 15	Investment	N/A	N/A	N/A	N/A

\*1: "N/A" means items which we regarded as not applicable to our Group. "--" means item which was decided not to calculate because it is practically difficult to calculate and its assumed emission volume is relatively small, although the CAT is applicable to our Group.

\*2: GWP (global-warming potential) of "Location-based" is all "0.57 tons-CO<sub>2</sub>/MWh". GWPs of "Market-based" are mainly based on data provided by each local electric power company in the territories where our Group Sites are located. The GWPs exclude electricity as RE.



## -Supplements-

### Page 13 – 14 (Climate Change, Water Resources, Resource Circulation, Chemical Substances)

Items of Environmental Data	Explanation (Scope, background of data etc.)
Climate Change (Left of page 13)	Applied to sites which are included in SBTi etc. that Fujitsu Group discloses to. And, conversion factor from purchased electricity consumptions to CO <sub>2</sub> is all "0.57 tons / MWh" except RE.
(1) Total GHG emissions	Data of FY2017 – 2018 includes data on former Fujitsu Kumagaya Plant.
(2) Ratio of used energy (FY2021)	"Others" are some kinds of fuel such as gasoline.
(3) Renewable energy use	From FY2021, Niigata Plant and FDTP started introducing RE.
(4) Unit value of GHG emissions / sales	Divided total GHG emissions by non-consolidated sales.
Water Resources (Right of page 13)	Applied to sites which are included in CDP, DJSI (Dow Jones Sustainability World Index) etc. that Fujitsu Group discloses to.
(1) Tap water	Data of FY2017 – 2018 includes data on former Fujitsu Kumagaya Plant.
(2) Ground water	Increase in FY2017 was due to the use to melt much snow in Niigata Plant.
(3) Ratio of used water (FY2021)	"Industrial water" is used only in FDTP (Philippines).
(4) Unit value of used water / sales	Divided the total volume of used water by non-consolidated sales.
Resource Circulation (Left of page 14)	Applied to sites which are included in CDP, DJSI etc. that Fujitsu Group discloses to.
(1) Waste generations	Data of FY2017 – 2018 includes data on former Fujitsu Kumagaya Plant.
(2) Sold valuables	Sold mainly metal scrap and used paper.
(3) Ratio of waste & valuables (FY2021)	"Final disposal" means landfill of the unrecyclable sludge etc.
(4) Unit value of waste & valuables / sales	Divided the total volume of waste and valuables by non-consolidated sales.
Chemical Substances (Right of page 14)	Applied to sites which are included in CDP, DJSI etc. that Fujitsu Group discloses to. Treated chemicals include "emissions to air", "consumptions", "removed / reprocessed" and "recycling".
(1) Treated chemicals	Data of FY2017 – 2018 includes data on former Fujitsu Kumagaya Plant.
(2) Ratio of treated chemicals (FY2021)	"VOC as well as PRTR" is a chemical subject to both VOC and PRTR.
(3) Unit value of treated chemicals / sales	Divided the volume of treated chemicals by non-consolidated sales.
(4) Main chemicals treated (FY2021)	Used mainly for cleansing.

#### [Terms of definition]

SBTi	: An initiative jointly established by the United Nations Global Compact, WRI (World Resources Institute), and other organizations in 2015. It encourages companies to set GHG emission reduction targets consistent with science-based evidence to the level required by the Paris Agreement, validating targets that comply with criteria.
GHG Protocol	: It provides standards, guidance, tools and training for business and government to measure and manage climate-warming emissions.
CDP	: A not-for-profit charity running the global disclosure system for investors, companies, cities, states and regions to manage their environmental impacts.
DJSI	: Stock market indices jointly launched by S&P Dow Jones and RobecoSAM. They select enterprises excellent for sustainable business, by assessing from the viewpoint of 3 core elements, which are Economy, Environmental and Social.
VOC	: Acronyms for "Volatile Organic Compounds".
PRTR	: Acronyms for "Pollutant Release and Transfer Register", governed by METI, Japan.

### Page 15 (Value Chain Emissions – Scope 3)

CATs	Scope	Calculation Methods
01	In Japan	Components purchased during the fiscal year x Emissions per unit of purchase <sup>*2</sup>
02	In Japan	Total amounts of acceptance inspection of construction objects in the fiscal year x Emission intensity <sup>*7</sup>
03	Main 5 Sites <sup>*1</sup>	Annual amounts of fuel oil and gas, electricity and heat purchased (consumed) at mainly business sites owned by Fujitsu Frontech Group x Emissions per unit <sup>*7</sup>
04	- Niigata Plant - FFNA	In Japan : CO <sub>2</sub> emissions related to transportation of goods in Japan by Fujitsu Frontech Limited <sup>*4,5</sup> Outside Japan: Transportation ton-kilometer x Emissions per unit <sup>*6</sup>
05	Main 5 Sites	Annual amounts of waste (discharged mainly by business sites owned by Fujitsu Frontech Group) processed or recycled by type and processing method x Emission per unit of annual amounts of waste processed or recycled <sup>*7</sup>
06	In Japan	(By means of transportation) Σ (Transportation expense payment x Emission per unit) <sup>*3,7</sup>
07	In Japan	(By means of transportation) Σ (Transportation expense payment x Emission per unit) <sup>*3,7</sup>
08	Global	Annual amounts of fuel oil and gas, electricity and heat consumed mainly at leased business sites x Emissions per unit of fuel oil and gas, electricity and heat consumed <sup>*8,9</sup>
09	N/A	N/A
10	—	—
11	Global	Electricity consumption during product use x emissions per unit of electricity <sup>*10</sup>
12	Global	Σ {Tonnage of each products sold during the fiscal year x rate by type of waste and processing method x Emissions unit value for the type of waste and processing method (tCO <sub>2</sub> e/t)} <sup>*7</sup>
13	N/A	N/A
14	N/A	N/A
15	N/A	N/A

\*1: 3 Sites in Japan (HQs / Tokyo Plant, Niigata Plant, Kumagaya SSC) and 2 Sites outside Japan (FDTP, FFNA)

\*2: Source - Embodied Energy and Emissions Intensity Data (3EID) published by the National Institute for Environmental Studies Center for Global Environmental Research

\*3: Source - Basic Guidelines on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain published by Ministry of the Environment and Ministry of Economy, Trade and Industry

\*4: Source - CO<sub>2</sub> emissions related to domestic transportation by Fujitsu Frontech Limited, based on the Act on the Rational Use of Energy.

\*5: Source - The fuel economy method (for some vehicle) or the improved ton-kilometer method (vehicle, trail, air).

\*6: Source - GHG Protocol emissions coefficient data base

\*7: Source - Database of emissions unit values published by Ministry of the Environment and Ministry of Economy, Trade and Industry

\*8: Source - Act on Promotion of Global Warming Countermeasures - GHG Emissions Accounting, Reporting and Disclosure System

\*9: Source - IEA CO<sub>2</sub> Emissions from Fuel Combustion (outside Japan)

\*10: Source - The Electric Power Council for a Low Carbon Society

## Environmental Compliance

We respond to the environmental compliance thoroughly, like setting original criterion stricter than legal ones, to mitigate the risks such as contamination, ecosystem destruction and climate to the minimum.

### Actions on Climate Change

#### Response to "Act on Rationalizing Energy Use"

We are designated as a "specified business" (which consumes energy equivalent to crude oil of no less than 1,500kl) defined by "Act on Rationalizing Energy Use", we take actions on the voluntary target required by this act which defines "To let energy consumption per unit be improved to 1% or more on average annually", and report to the government regularly. Incidentally, we have been awarded "S Class (an excellent enterprise)" for 7 consecutive years in "Classification and Evaluation Scheme of Enterprise" which had been established since FY2016 based on the act.

#### Response to "Act on Rational Use and Proper Management of Fluorocarbons"

We, following the enforcement of "Act on Rational Use and Proper Management of Fluorocarbons" from April 2015, established in-house structure like a special management department, so that we can manage class I specified products (mainly industrial air conditioners and refrigerators) properly, including the calculation of amount of leaked fluorocarbons. And, we also take measures like the simple inspection at each division owning class I specified products thoroughly, to curb GHG emissions caused by leaked fluorocarbons.

(Details: <https://www.fujitsu.com/jp/group/frontech/en/about/sustainability/environment/compliance/>)

### Pollution Prevention

We perform environmental measurement including water quality, on a regular basis, and take corrective actions as needed. The main results in FY2021 are, as follows:

#### Results of FY2021

##### Measurement of "Ground water"

Unit: mg/l

Measured Item	Site	Legal Sta.	Result	Note
Arsenic	Niigata Plant	0.01	Below Sta. - 0.029	We regarded as natural origin because we have never used it before.

##### Measurement of "Discharged water"

Unit: per 1 liter

Measured Item	Site	Legal Sta.	Result	Note
Concentration of Hydrogen Ions (pH)	Niigata Plant (Not applicable to Water Pollution Control Act)	5.8 - 8.6	6.3 - 9.5	We concluded as no problem, because this was due to a shortage of rainfall in time of its measurement.

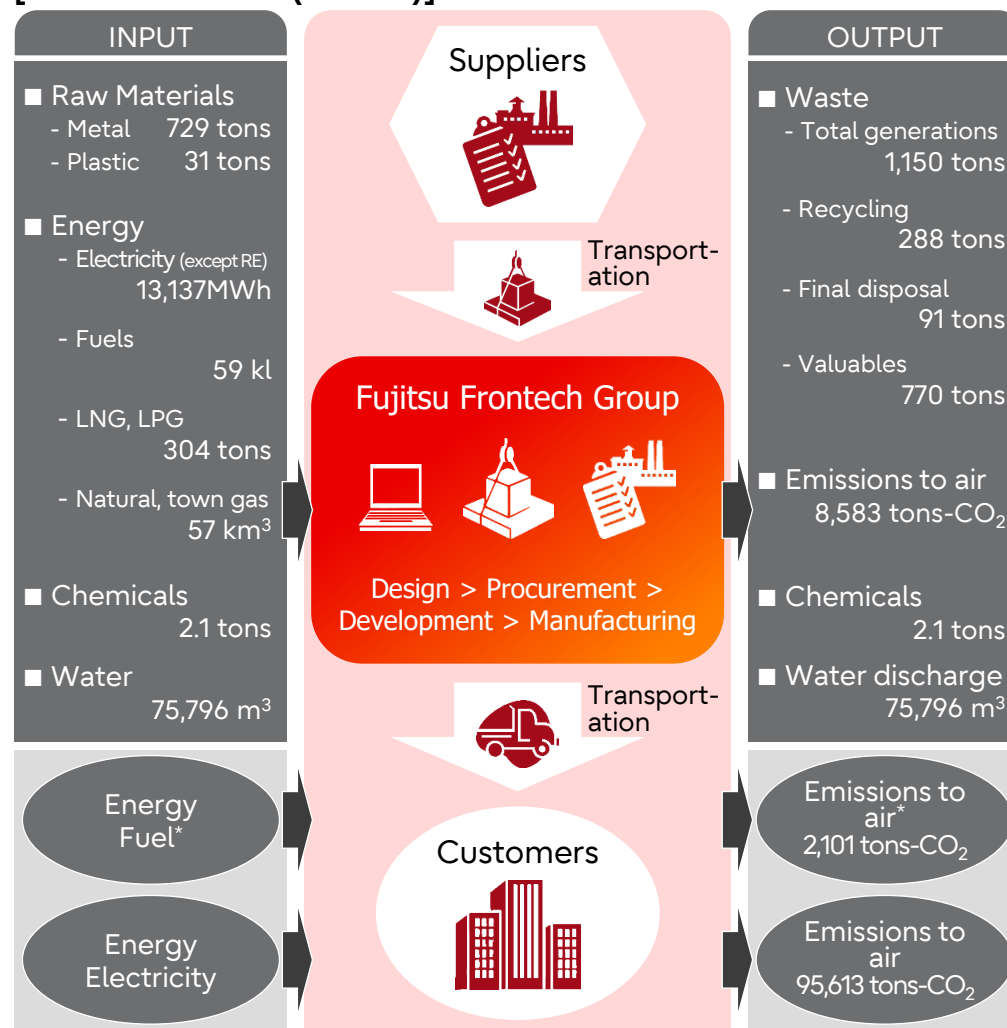
#### [The other measured items and results in other bases]

We had no any other deviation except the above results including HQs / Tokyo Plant and Kumagaya SSC.  
(Detail: <https://www.fujitsu.com/jp/group/frontech/en/about/sustainability/environment/data/#pollution>)

## Material Balance

We promote our eco-friendly business as well as capture our environmental performance in the whole value-chain.

### [Material Balance (FY2021)]



#### [Scope]

In Japan: Tokyo Plant, Niigata Plant, Kumagaya SSC Outside Japan: FDTP, FFNA

\* "Energy Fuel" of Inputs and its "Emissions to air" of Outputs are the sum of Niigata Plant and FFNA.

## Response to "Environmental Reporting Guidelines 2018"

### [About the Structure of This Report]

To create this report, we use the data as much as possible to disclose as of now, referring to "Environmental Reporting Guidelines 2018" issued by Ministry of the Environment. The following information is to clarify which page(s) in this report is relevant to which item(s) defined by the guideline:

#	Items	Relevant Pages
(1) Basic information of environmental reporting		
1	Basic requirements for environmental reporting	01
2	Trends in key performance indicators	13 – 16
(2) Items to be reported in environmental reporting		
1	Top management's commitments	01, 02
2	Governance	04, 06
3	Stakeholder engagement	08, 11, 12
4	Risk management	04, 06
5	Business model	02, 03, 10, 11
6	Value chain management	11, 15, 17
7	Long-term vision	07, 08

#	Items	Relevant Pages
8	Strategy	01, 02, 05 – 11
9	Methodology for identifying material environmental issues	02, 04, 06
10	The entity's material environmental issues	01, 02, 04 – 09
[Reference] Major environmental issues and their performance indicators		
1	Climate change	05 – 09, 13, 15, 17
2	Water resources	13
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4	Resource circulation	05, 11, 14
5	Chemical substances	11, 14
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\* "Environmental Reporting Guidelines 2018" is uploaded on the following Website of Ministry of the Environment:  
 URL: [https://www.env.go.jp/policy/j-hiroba/kigyo/2018Guidelines\\_E20190412.pdf](https://www.env.go.jp/policy/j-hiroba/kigyo/2018Guidelines_E20190412.pdf)

## Main Facilities / Sales Offices / Group companies

### Main Facilities

#### Headquarters / Tokyo Plant

1776 Yanokuchi, Inagi-shi, Tokyo 206-8555

#### Niigata Plant

17-8 Yoshidahigashisakae-cho, Tsubame-shi,  
Niigata Prefecture 959-0294

#### Omiya Solution Center

Omiya JP Bldg, 1-11-20 Sakuragi-cho, Omiya-ku,  
Saitama-shi, Saitama Prefecture 330-0854

#### Kumagaya Service Solution Center

1224 Nakanara, Kumagaya-shi, Saitama Prefecture 360-0801

### Sales Offices

#### Headquarters / Tokyo Plant

1776 Yanokuchi, Inagi-shi, Tokyo 206-8555 [Sales headquarters]

#### Omori Office

East Square Omori, 6-20-14 Minamioi, Shinagawa-ku,  
Tokyo 140-0013

#### Chubu Branch

JR Gate Tower, 1-1-3 Meieki, Nakamura-ku, Nagoya-shi,  
Aichi Prefecture 450-6631

#### Nishinihon Branch

Osaka Tokio Marine & Nichido Building, 2-2-53 Shiromi,  
Chuo-ku, Osaka-shi, Osaka Prefecture 540-0001

#### Kyushu Branch

Higashihie Business Center II, 1-5-13 Higashihie, Hakata-ku,  
Fukuoka-shi, Fukuoka Prefecture 812-0007

### Group companies

#### In Japan

#### TOTALIZATOR ENGINEERING LIMITED (Shinagawa-ku, Tokyo)

Maintenance of totalizator systems, development and sales of operation services and support systems for public racecourses

#### FUJITSU FRONTECH SYSTEMS LIMITED (Maebashi-shi, Gunma Prefecture)

Development of software related solutions and services

#### LIFE CREATE LIMITED (Inagi-shi, Tokyo)

Welfare programs, facilities management and logistics services

#### Outside Japan

#### FUJITSU DIE-TECH CORPORATION OF THE PHILIPPINES (Laguna, Philippines)

Manufacturing and sales of metal molds and mechanical components

#### FUJITSU FRONTECH CHUNGHO GLOBAL PRODUCTS Co. Ltd. (Gyeonggi province, South Korea)

Development, manufacturing and sale of cash handling equipment (ATMs, CDs adjustment machines, cash deposit machines, etc.)

#### Fujitsu Frontech North America Inc. (California, U.S.A.)

Sales and repair services of mechanical components, sales of RFID solutions and palm vein authentication devices, development and sales of multimodal biometrics authentication platforms, development, manufacturing and sales of self-checkout solutions, and contract manufacturing services