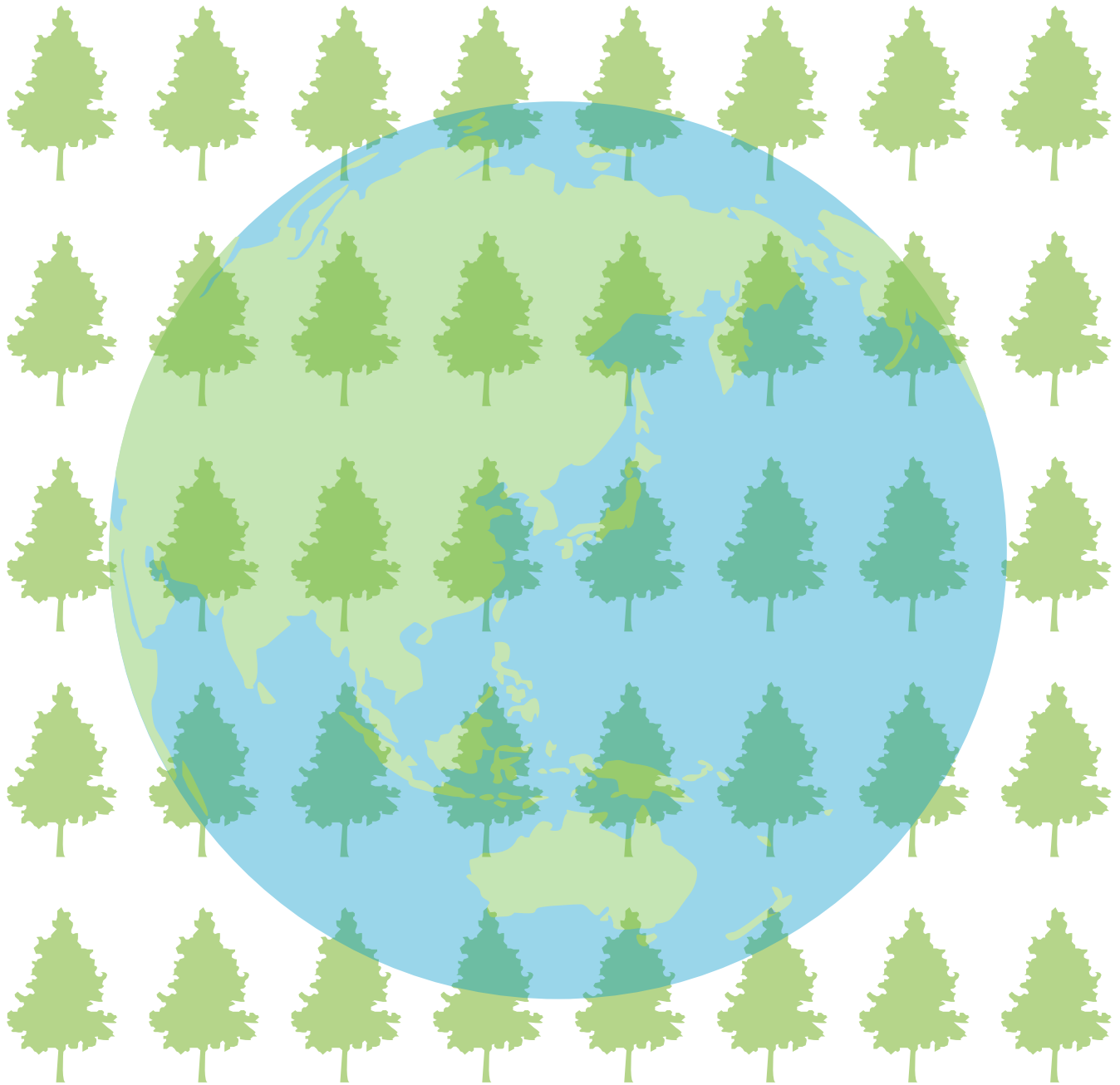


# Environmental 🌲 Report 2021

Environmental Report Environmental Report Environmental Report



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# Message from the President

**Dynic Corporation promotes corporate activities covering the stages from development through to disposal of products, considering the environmental preservation at all times.**

The corporate objective of Dynic is to color our day-to-day life *abundant* and *comfortable*.

The Dynic Group always takes care to follow the Environmental Basic Policy, which was established for the purpose of directing us to a habitable earth, and are working hard every day on environmentally-friendly corporate activities in consideration of harmony between technology and the environment.

Our five plants in Japan have already engaged in activities toward carbon neutrality, such as the installation of energy-saving equipment and the promotion of the use of renewable energy. We will continue to strengthen these activities and promote product design and conservation activities considering biodiversity.

The Dynic Astropark Observatory, opened in 1987, continues activities to raise environmental awareness through astronomical observation events and planetarium screenings in cooperation with the town of Taga.

Our Group companies both in Japan and abroad are also introducing energy-saving equipment and promoting biodiversity conservation initiatives.

To ensure that we continue to be a trusted company in the future, all our employees will work together as one to strengthen our efforts regarding environmental measures and undertake the development of environment-related products that take into consideration the global environment and living environments, promoting business activities that contribute to the realization of global environment preservation with our eyes towards the next generation.



A handwritten signature in black ink, which appears to read 'H. Yamada'.

Hidenobu Yamada  
President  
Dynic Corporation

August 2021

# Company Profile

Corporate Name	Dynic Corporation
Establishment	August 18, 1919
Capital	5,795,650,000 yen
Stock Listing	Listed on the first section of the Tokyo Stock Exchange
Amount of Sales	25.4billion yen (35.8 billion yen including Group companies) (As of June 25, 2021)
Employees	629(1,269 including Group companies) (As of June 25, 2021)
Head Office	Kyoto Head Office: 26 Daimon-cho, Nishikyogoku, Ukyo-ku, Kyoto 615-0812 Tel: +81-75-313-2111(main) Fax: +81-75-313-2116
	Tokyo Head Office: Shin Onarimon Bldg., 6-17-19, Shimbashi, Minato-ku, Tokyo 105-0004 Tel: +81-3-5402-1811(main) Fax: +81-3-5402-3146
Branch	Sapporo, Tokyo, Nagoya, Osaka, Fukuoka, Hong Kong, Singapore, U.S.A., Thailand, England, China , Indonesia, Czech (including Group companies)
Factory	Shiga, Saitama, Oji, Fuji, Moka, U.S.A., Thailand, England, China, Indonesia, Czech (including Group companies)
Affiliated Company	Seven companies in Japan; eleven companies in other countries
Business Line	Book-binding cloth, cloth for printing/business purposes, decorative cloth for packages, cloth for magnetic passbooks, film-coated products, material for display labels, composite film, printer ribbon, business card printers, stationary paper goods, magnet-related products, moisture getter for organic EL, carpet, wallpapers, ceiling material, blinds, non-woven cloth/carpets for automotive interiors, filters, industrial tarpaulins, canvases, rainwear, industrial non-woven cloth, aluminum foil/lid material for container sealing, paper core/paper packaging, film processing for cataplasm, freshness-keeping agents for food, adhesive interlining, fancy products, transportation/storage of products, etc. (including products of Group companies).

# Basic Environmental Policy

As global warming and other global environmental issues become increasingly severe, continued efforts are required to achieve carbon neutrality and create a recycling-oriented society. Dynic Corporation has established the Basic Environmental Policy as described below and is committed to addressing environmental issues.

## 【Basic Environmental Policy of Dynic】

Dynic Corporation is aware the efforts toward environmental preservation are an important business challenge and believes it is the responsibility of the manufacturer to observe domestic and overseas laws and regulations related to the environment and provide products with less environmental burden to the markets. To implement the concept in a specific manner, we will thoroughly promote the following items in each of the stages, including development, material procurement, manufacturing, sales, distribution, and disposal.

- (1) We will strive to reduce the environmental burden and consider the conservation of biodiversity and other issues in all stages of our business activities throughout the life cycle of the products;
- (2) We will proactively make efforts to save energy and reduce waste, thereby preventing environmental contamination;
- (3) We will lower the risk caused by harmful chemical substances that damage the environment;
- (4) We will disclose information regarding our business activities related to the environment and proactively promote environment preservation activities, while acting in concert with local communities; and
- (5) We will implement education related to environmental preservation, thereby improving awareness of the environment.

**Hidenobu Yamada**, President  
Dynic Corporation

### Efforts for Reducing Environmental Burden

We are introducing the manufacturing method that features less of an energy burden and implementing product design where resource saving and longer service life are taken into consideration; in addition, we consider materials that feature less of an environmental burden and materials that are easy to recycle from the design phase of the product. In the manufacturing phase, we make efforts to save energy and reduce waste in the manufacturing scene every day, thereby contributing to the reduction in the environmental burden. In the marketing phase, we propose environmentally friendly products that reduce the environmental burden at the customer by using the products, thereby making efforts to contribute to the environmental preservation of the earth.

### Efforts for Countermeasures against Global Warming and Biodiversity Conservation

We are promoting countermeasures against global warming through our efforts for energy-saving activities throughout Dynic, thereby reducing emissions of carbon dioxide. In addition, regarding the biodiversity conservation, we are making efforts toward coexistence with the global environment through our activities toward risks, including countermeasures against global warming.

# Environmental Objectives/Achievements

We set the midterm objectives for environmental performance (FY2021 to FY2023) and are committed to promoting them.

The achievements in FY2020, the final year of the previous midterm objectives for environmental performance (FY2018 to FY2020), are as follows:

## FY2020 Environmental Objectives/Achievements List

Areas		Unit	FY2020				FY2021 objectives	Final objectives of FY2023
			Objective	Achievement	Self-evaluation	Related page		
Global warming mitigation Energy saving	CO2 emissions reduction	t-CO2	Versus FY2013 7% reduction	-18.9%	◎	P5	Versus FY2013 8% reduction	Versus FY2013 10% reduction
	Reduction in specific energy consumption	L/km of oil equivalent	Versus FY2017 3% improvement	-0.4%	×	P5	Versus FY2017 4% improvement	Versus FY2017 6% improvement
Resource saving	Reduction in water consumption	1000 tons	Versus FY2017 3% reduction	-3.1%	○	P6	Versus FY2017 4% reduction	Versus FY2017 6% reduction
Reducing, reusing, and recycling of waste	Waste volume reduction	t	Versus FY2017 3% reduction	-7.3%	◎	P7	Versus FY2017 4% reduction	Versus FY2017 6% reduction
	Volume reduction of industrial wastes subject to final disposal	t	Versus FY2017 3% reduction	+44%	×	P7	Versus FY2017 4% reduction	Versus FY2017 6% reduction
Prevention of environmental pollution	Reduction in emissions of PRTR substances	t	Versus FY2016 20% reduction	-27.5%	○	P8	Versus FY2016 25% reduction	Versus FY2016 35% reduction
Environment -related products	Increase in % sales	%	Versus FY2017 1% improvement	+6.6%	◎	P10	Versus FY2020 0.5% improvement	Versus FY2020 1.5% improvement

<Self-evaluation legend>

◎ : More than twice the objective

○ : Achieved the objective

△ : The objective was narrowly not achieved

×

 : Improvement toward the objective was not made.

# FY2020 Initiatives to Reduce the Environmental Burden

## Initiatives related to global warming/saving energy

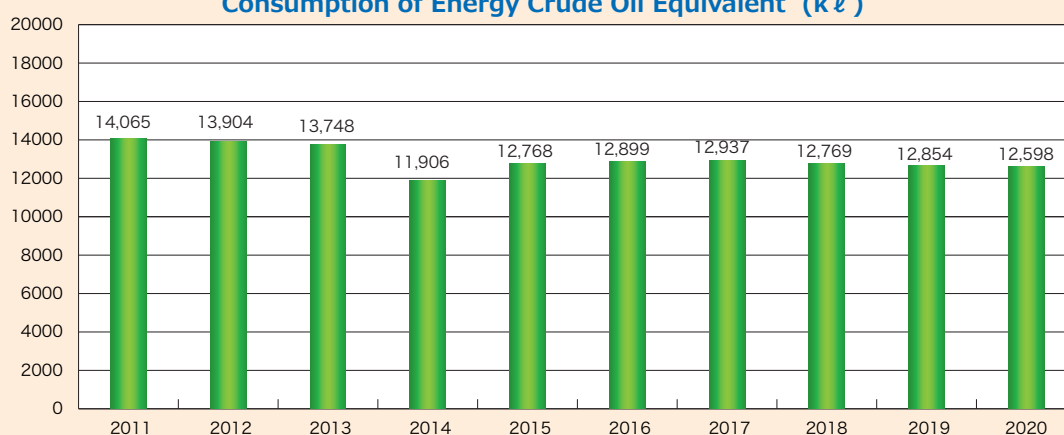
In our production activities, we consume energy to manufacture products. This process emits CO<sub>2</sub>, a greenhouse gas. To reduce CO<sub>2</sub> emissions, we are implementing efforts to reduce energy use in production processes.

As investments in various types of energy-saving equipment, we are carrying out systematic measures including switching plant ceiling lighting to LEDs, migrating to high-efficiency equipment such as steam boilers, transformers, and air-conditioners, adopting inverters in compressors, and modifying steam piping. We also have implemented productivity improvements to increase energy efficiency, including installation of new equipment and improving existing equipment.

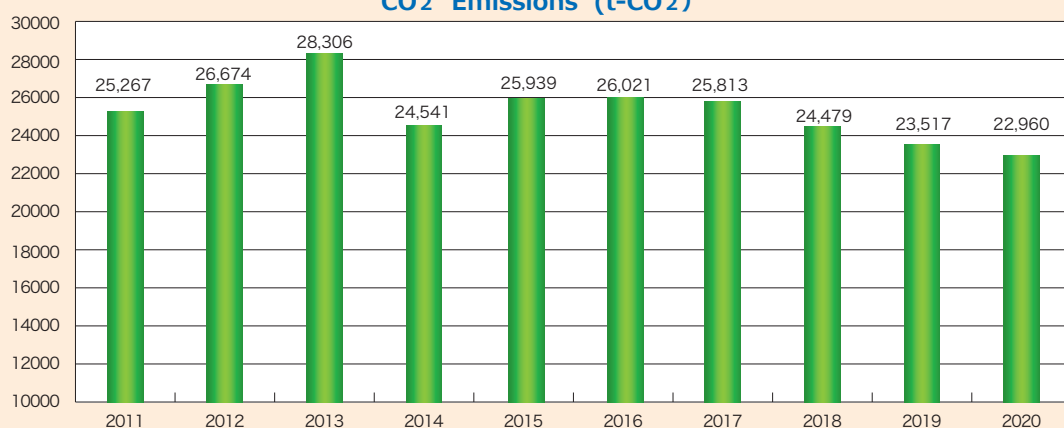
In FY2020, our production volume decreased by 5.3% YoY, and our energy use and CO<sub>2</sub> emissions also dropped by 2.0% and 2.4%, respectively; however, our energy intensity worsened by 3.5% YoY.

In FY2021, we will continue to aggressively increase productivity and install more energy-saving equipment toward the objectives.

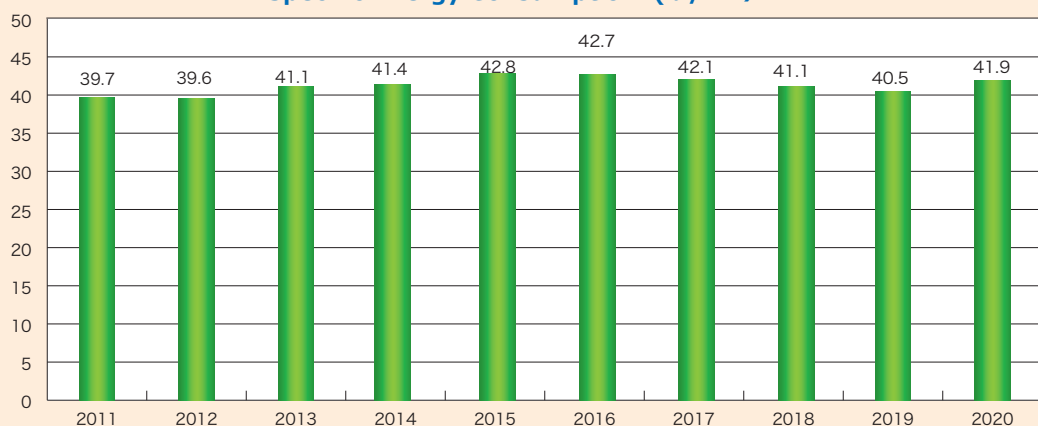
Consumption of Energy Crude Oil Equivalent (kℓ)



CO<sub>2</sub> Emissions (t-CO<sub>2</sub>)



Specific Energy Consumption (ℓ/km)



# FY2020 Initiatives to Reduce the Environmental Burden

## Initiatives related to saving resources/reducing waste

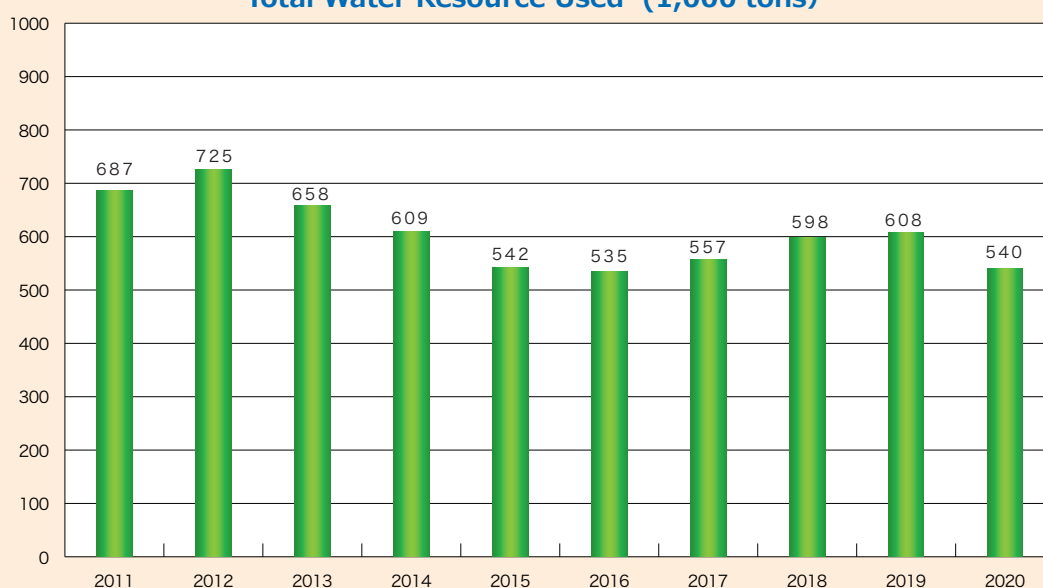
### ● Efficient use of water resources

We have recycled more waste water from the washing and cooling steps in the production process in order to effectively conserve water resources.

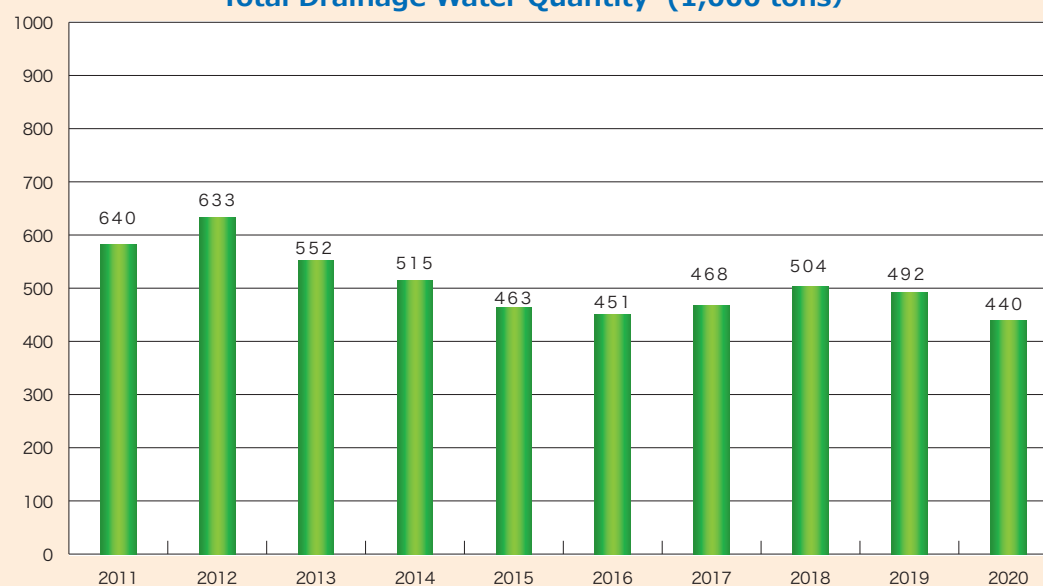
In FY2020, the total intake of water resources was 88.8% YoY, an over 10% decrease. Total water discharge was 89.4% YoY, an over 10% reduction.

In FY2021, we will carry out activities to put a stop to this increasing trend in total water intake by reviewing unnecessary use of water resources.

**Total Water Resource Used (1,000 tons)**



**Total Drainage Water Quantity (1,000 tons)**





# FY2020 Initiatives to Reduce the Environmental Burden

## Initiatives related to saving resources/reducing waste

### ● Initiatives to reduce waste matter

We are committed to waste reduction in order to protect the global environment. In order to not only reduce waste generation but also effectively use resources, we push forward reuse and recycling approaches.

Total materials intake in FY2020 was down 9.7% YoY to 31,127 t due to a significant production reduction caused by the spread of coronavirus infection. Total waste was down 5.3% YoY to 4,692 tons.

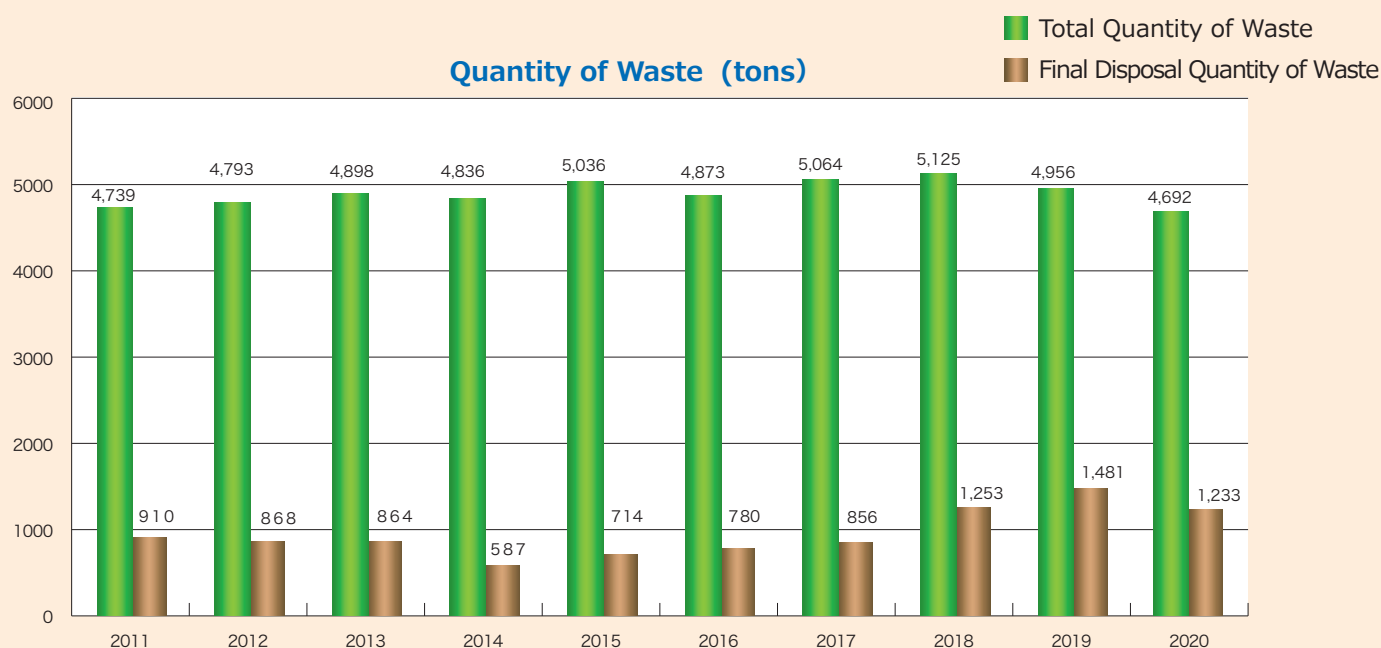
The final waste disposal volume was down 16.7% YoY as we promoted recycling considerably.

In FY2021, we will continue efficient production to further reduce both the total waste and the final waste disposal volume.

Total Quantity of Materials Used (tons)



Quantity of Waste (tons)



# FY2020 Initiatives to Reduce the Environmental Burden

## Initiatives to reduce the release of chemical substances

In accordance with the Law concerning Pollutant Release and Transfer Register (PRTR Law), we notify the regulatory authority of the amounts of chemical substances that are discharged into the environment after their use in the manufacturing process and make efforts to reduce them.

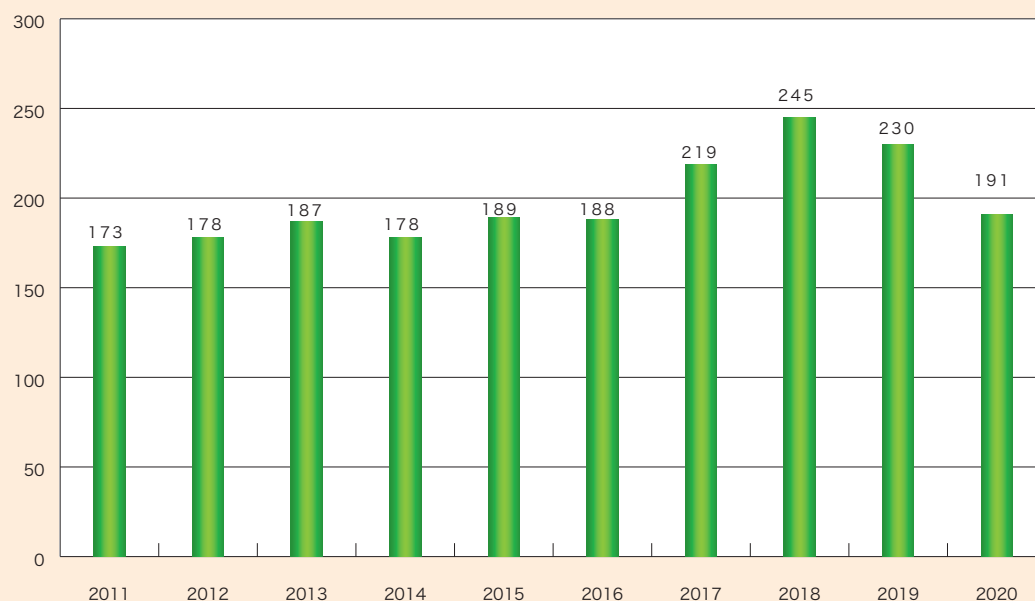
Total emissions in FY2020 decreased by 14.6% YoY due to changes in production volume and other factors, and transport volume also dropped considerably by 16.7%.

In FY2021, we will carry out initiatives aiming to achieve a total emission reduction of 25% vs. FY2016, which is our medium- and long-term plan target.

**Total Emissions (tons)**



**Total Quantity Moved (tons)**



# Overall environmental burdens from business activities in FY2020(material flow)

We assess the environmental burdens from various emissions (OUTPUT) generated as a result of DYNIC's business and production activities involving raw materials, energy, and water resources (INPUT) in order to more effectively conserve those resources through more efficient use.

We were able to make improvements in all areas due to some factors, such as significant production reduction caused by the spread of coronavirus infection, energy-saving, and other activities to reduce the environmental burden.

In FY2021, we will carry out further initiatives to put resources to effective use.

INPUT	
<b>Energy consumption</b> : 12,598,000 L (of oil equivalent)	
Power (Purchased)	: 227,940 MWh
LNG	: 1,324 tons
City Gas	: 3,046,000 m <sup>3</sup>
Bunker A	: 267,000 L
LPG	: 28 tons
Gasoline	: 7,000 L
<b>Water consumption</b> : 540,000 tons	
Groundwater	: 337,000 tons
Industrial water	: 156,000 tons
Clean water	: 48,000 tons
<b>Total raw material input</b> : 31,127 tons	

## Businesses



【 Dynec product groups 】

Publishing and Stationery Products/Print Media Supplies/Nonwoven Fabric Products/Apparel/  
Household Products/Industrial Products/Special Embossed Products/Foil, Films, and Paper Products

OUTPUT	
<b>Greenhouse gas (CO<sub>2</sub> emissions)</b>	
Emissions attributable to production process	: 22,960 t-CO <sub>2</sub>
Emissions attributable to product logistics	: 1,046 t-CO <sub>2</sub>
※Product logistics activities are outsourced to affiliated companies.	
<b>Emission into the atmosphere</b>	
PRTR substances	: 269 tons
NO <sub>x</sub>	: 13.1 tons
SO <sub>x</sub>	: 0.3 tons
Dust	: 0.2 tons
<b>Discharge into water system</b>	
Discharge	: 440,000 tons
BOD	: 0.3 tons
COD	: 1.2 tons
<b>Discharge into soil</b> : N/A	
<b>Chemical substances (PRTR substances)</b>	
Emissions into the environment	: 269 tons
Transferred as waste	: 191 tons
<b>Total waste generation</b> : 4,693 tons	
Incineration/landfill disposal volume	: 1,233 tons
Recycled wastes	: 1,807 tons
Volume of valuables	: 1,653 tons
Recycling rate	: 74%

# Environment-Related Products

Dynic Corporation is working hard on the development of various products that contribute to the development of society and creation of a life of affluence. We believe the delivery of such new products to society will lead to our contributing to society through our business activities.

At Dynic Corporation, we define "products that take the global and living environments into consideration" as "environment-related products".

## Products that take the global environment into consideration

### [Products that reduce the burden on the environment]

#### ■ PVC-free, plastic-free, or solvent-free products

Non-vinyl-chloride file folders (eco-folders), olefin based cloth, paper magnetic cards\*, EVA containers, waterborne coating book-binding cloth for file binders and notebooks, etc.,

#### ■ Products using recycled paper, recycled fiber, recycled resin

Paper cloth using recycled paper, paper cloth for use in textbooks, paper cloth for use in backing, carpet using recycled polyester\*, etc.

#### ■ Products using sustainable natural resources

FSC certified paper cloth (Epalon)\*, rayon 100% color nonwoven fabrics (Panelon color sheet), etc.

### [Products that take treatment and disposal into consideration]

#### ■ Products that take ease of disposal into consideration

Paper blades for cutting polyethylene food wrap and aluminum foil, paper lid materials for milk drinks, etc.

#### ■ Products that contribute to resource-saving / 3R (Reuse, Recycle, Reduce)

Crack mitigation wallpaper, reuse toner cartridges; sub-cassettes for refill, automotive headliner material (lightweight), desiccant for organic EL devices (durable), etc.

## Products that take the living environment into consideration

#### ■ Products that provide comfortable spaces

Deodorant Panelon filters, antimicrobial and deodorant wallpaper, negative-ion-radiating wallpaper, filter materials for air purifiers, antivirus wallpaper, sound-absorbing nonwoven floor fabrics, etc.

#### ■ Products useful for maintaining the freshness of health products/food

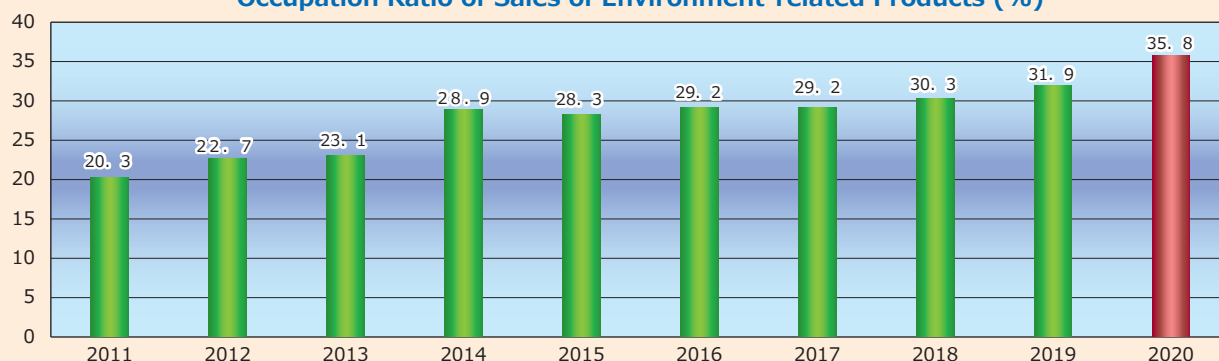
Water-resistant food packaging, food freshness preservatives, thermal transfer inked ribbons\*, NIKKUSEBEN nylon-coated labels (Echo-tech registered)\*, mold-releasing film for cataplasm, etc.

#### ■ Various antimicrobial/deodorant products

Cloth for antimicrobial book binding, etc.

Products marked with an asterisk [\*] are third-party certified products.

Occupation Ratio of Sales of Environment-related Products (%)



©You can find the individual explanations of such environment-related products on our home page.

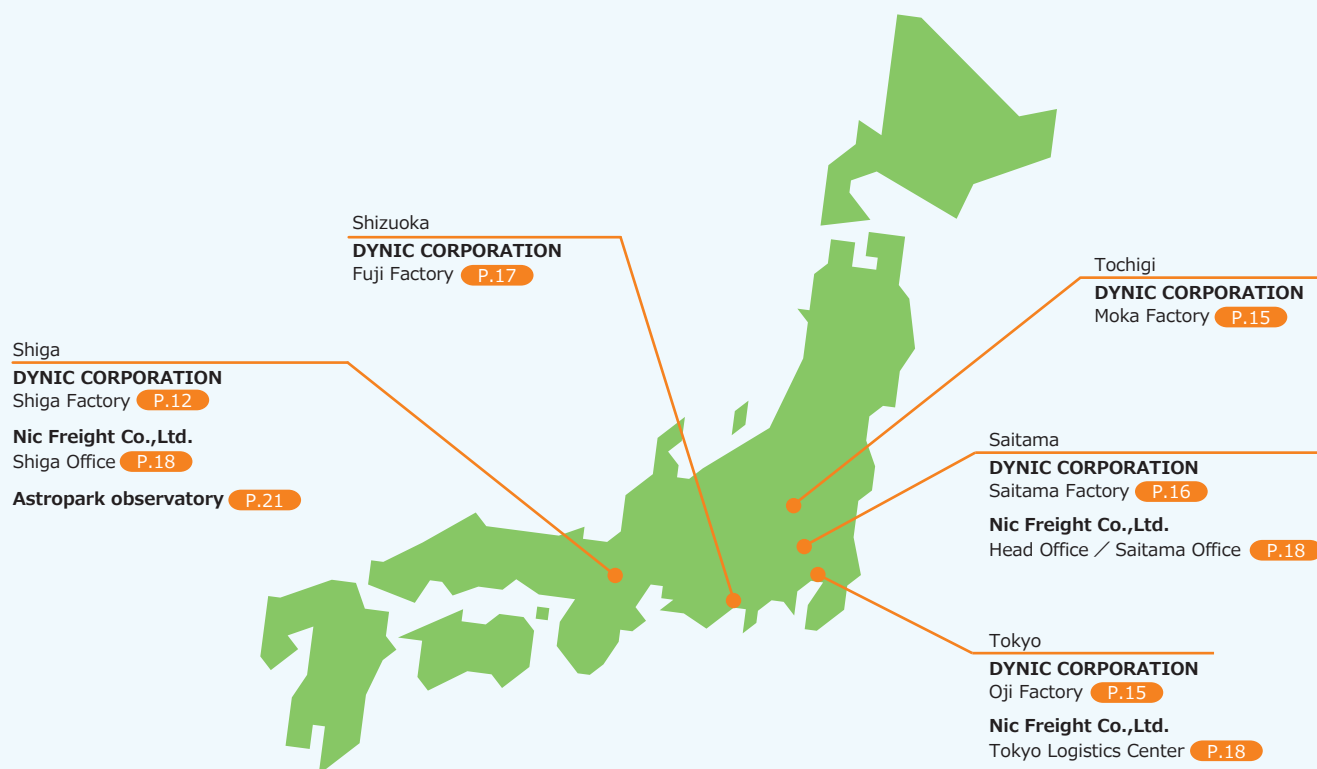
With "Contribute to society through environment-related products" as a key phrase, we have actively promoted product development.

As a result, in FY2020 environment-related products accounted for 35.8% of our net sales, much higher than the target level.

In the future, we intend to further increase the percentage of our overall sales comprising environment-related products, thereby contributing to society.

# FY2020 Activity Status at Each Base

## Domestic bases introducing the activity status



## Overseas bases introducing the activity status



# FY2020 Activity Status at Each Base

## Shiga Plant - A model plant aiming at harmony between high technology and nature -

The Shiga Plant is the largest in Dynic with a vast site of about 350 thousand square meters, surrounded by green mountains nurtured by the clean water of the Lake Biwa water system and fresh air. With the backbone of Dynic's unique advanced technology, the plant produces many of the Dynic's key products, such as book binding cloth, cloth for magnetic passbooks, wallpaper, and woven interlining.

Benefiting from the rich natural environment, the Shiga Plant has also emphasized harmony with the natural environment and its conservation. The plant, fully equipped with wastewater treatment facilities, is committed to recycling resources and has earned a high reputation as a model plant themed on energy conservation and no pollution.



### Environmental index results

Item	Energy-saving intensity(k ℓ /km)	CO <sub>2</sub> emissions (t)	Intake of water resources(k ℓ )	Total waste (t)	Final waste disposal volume(t)	PRTR substance emissions (t)
Results	0.06184	8951	156	1562	375	32
YoY	+1.6%	+5.1%	-10.1%	-9.3%	-29.5%	-10.0%

## Reducing the environmental burden —Installation of energy-saving equipment

### ●Upgrades to high-efficiency transformers

During this fiscal year the Shiga Plant upgraded its 1,000 KVA transformers to high-efficiency models.

Not only has the upgrade considerably reduced power loss and CO<sub>2</sub> emissions, but it has also lowered operating noise.



### ●Upgrades to high-efficiency roof fans

The roof fans at the first plant were upgraded to high-efficiency models. In the summer season, the temperature inside the plant was sometimes higher than the outside air temperature by as much as 6°C. However, by installing 17 roof fans with evaporative air coolers utilizing the water evaporation heat, the inside was cooled down to the level at which the work area feels cooler than the outside air, receiving favorable comments from employees.





# FY2020 Activity Status at Each Base

## Efforts for biodiversity conservation: Working together with the local community

### ● Zero waste cleanup activities

Every year, the town of Taga, where the Shiga Plant is located, holds cleanup activities around May 30 (gomi zero, or “zero waste” day), designated by Shiga Prefecture as a day for environmental beautification activities.

In FY2020, the town-wide cleanup activities were canceled from the perspective of preventing the spread of coronavirus infection; however, on Monday, June 1, our company independently conducted zero waste cleanup activities along National Highway 306 in the town of Taga.



The town of Taga, where the Shiga Plant is located, conducts annual cleanup activities on both banks of the Seri River around December 1, designated by Shiga Prefecture as the basis date for environmental beautification efforts.

We support these activities, and again this year, we participated in the Seri River cleanup activities on Saturday, November 28.



### ● Forest conservation activities



Diverse nature conservation measures are being implemented by the government and the private sector in various parts of the prefecture. We support the volunteer activities for forest improvement hosted by the Environmental Conservation Association of Shiga Prefecture, of which we are a member. On Saturday, October 31, as a member company, our employees took part in the activities at the Konze no Sato forest owned by the Konze Forestry Association in Ritto City.

# FY2020 Activity Status at Each Base

## Efforts for biodiversity conservation: Working together with the local community

### ● Site preservation activities

Around the pond located on the site of the Shiga Plant, cherry trees planted during the building construction are growing, and cherry blossoms bloom every spring, providing a splendid view.

However, over the past few years, the scenic view has been spoiled for some reasons, such as vines twining around the cherry trees being conspicuous. To preserve biodiversity and raise environmental awareness, our employees carried out improvement activities and wonderfully succeeded in blooming the cherry blossoms at their best.



### ● Forest conservation

The Shiga Plant has about 2.8 hectares of cedar forest planted around 1980 on its site. We regularly conduct management and thinning to preserve this cedar forest.

The cedar wood thinned in 2016 or so was used as a part of the construction materials for the Taga-town Central Community Learning Center completed in April 2019.

The thinning work was carried out with grants and cooperation from Biwako Eastern Part Forestry Association, Shiga Prefecture, and Taga Town.



Taga-town Central Community Learning Center  
(exterior view)



Taga-town Central Community Learning Center  
(interior view)





# FY2020 Activity Status at Each Base

## Oji Plant - With reliable quality control we have earned the trust of our customers -

The Oji Plant is responsible for the production of aluminum-foil material for lid and coating paper. Since introducing the "Lectraseal (registered trademark)" (container sealing material using processed aluminum foil) from the U.K., we have enjoyed a substantial share in this field. Designed for high-frequency induction heating to bond materials onto containers, the "Lectraseal" is an innovative process for sealing material for lid onto processed food containers that contributes greatly to maintaining product quality for customers. In the field of coating paper and films, we are meeting ever-diverse customer needs by making the most of our wealth of know-how and state-of-the-art large-size coating machines. Our diverse range of the most advanced processing technologies allows us to constantly meet the challenge of the "next."



### Environmental index results

Item	Energy-saving intensity(k ℓ /km)	CO <sub>2</sub> emissions (t)	Intake of water resources(k ℓ )	Total waste (t)	Final waste disposal volume(t)	PRTR substance emissions (t)
Results	0.0393	1496	20	455	123	35
YoY	+1.7%	-3.5%	-7.0%	-6.5%	-19.2%	+2.9%

## Reducing the environmental burden —Installation of energy-saving equipment

### ● Installation of high-efficiency air conditioners

In preparation for the operation of the new printing machines, the air conditioners for the printing plant were upgraded to high-efficiency heat-pump chillers. The introduction of this equipment is expected to ensure a comfortable working environment and significantly reduce power consumption.



## Moka Plant - Delivering safety quality from our well-controlled working environment -

Responding to rapidly diversifying needs for aluminum-foil and other lid materials, the Moka Plant was quick to create composite lid materials by taking advantage of its technological strength in the field of aluminum-foil processing.

This has resulted in our soft-packaging materials for processed food and industrial uses winning the unflinching trust of our customers.

We are determined to continually meet the challenge of the "next" by making the most of our wealth of proprietary technologies.



### Environmental index results

Item	Energy-saving intensity(k ℓ /km)	CO <sub>2</sub> emissions (t)	Intake of water resources(k ℓ )	Total waste (t)	Final waste disposal volume(t)	PRTR substance emissions (t)
Results	0.009498	2031	95	609	77	20
YoY	+2.3%	-2.0%	-5.0%	+9.6%	-2.4%	-13.0%

# FY2020 Activity Status at Each Base

## Saitama Plant - Future-oriented, advanced, composite technology and the most modern FA line -

The Saitama Plant, the east center of production for Dynic, is in operation as a future-oriented plant focusing on technology development. The plant generates products covering a broad number of fields from value-added hi-tech products to mass produced products which make up the backbone of the industry, utilizing exceedingly high level composite technology and the most modern FA (Factory Automation) line. The production system consists of six production centers, each of which is responsible for paper cloth, vinyl cloth, inked ribbons, FFC (Fine Film Coating), carpet, and nonwoven fabric, respectively. The plant diligently implements regional and environmental measures, and its greening promotion initiative and industrial waste recycling system have earned a high level of trust from public institutions.



### Environmental index results

Item	Energy-saving intensity(k ℓ /km)	CO <sub>2</sub> emissions (t)	Intake of water resources(k ℓ )	Total waste (t)	Final waste disposal volume(t)	PRTR substance emissions (t)
Results	0.04459	10068	267	1988	649	182
YoY	+6.0%	-7.6%	-14.3%	-5.6%	-8.8%	-18.0%

## Reducing the environmental burden —Installation of energy-saving equipment

### ● Boiler equipment upgrades

The boiler equipment installed in each plant building was consolidated into one location and upgraded. The installation in one location allowed us to reduce the maintenance cost and efficiently operate the equipment.



The upgrade is expected to have a significant CO<sub>2</sub> reduction effect. Concurrently with the upgrade of the boiler equipment, we visualized the operational status, and it is now possible to quickly respond to failures such as identifying where steam loss has occurred. We anticipate fuel-saving effects through optimal operational settings and other efforts.



### ● Installation of solar power panels

In consideration of biodiversity, solar power panels were installed on the roofs of the plant buildings, which have low impact on the greenery areas.

The installation of the panels reduced direct sunlight on the roofs, resulting in a reduction of the power consumption for air conditioning during the summer season.



# FY2020 Activity Status at Each Base

## Saitama Plant - Future-oriented, advanced, composite technology and the most modern FA line -

### Efforts for biodiversity conservation: Working together with the local community

#### ● Neighborhood cleanup activities

Every month, we conduct cleanup activities on the roads around the plant. During FY2020, we implemented these activities 12 times and collected over 100 liters of rubbish.



## Fuji Plant - Producing environment-friendly renewable products -

Operating under a clean environment and the strictest quality control, the Fuji Plant is engaged in the production of paper-tube containers for food, and paper tubes for photosensitive materials, industrial coated paper, and the like.

Our ongoing pursuit of environment-friendly materials encourages us to take up the challenge of the “next.”



### Environmental index results

Item	Energy-saving intensity (k ℓ /thousand yen)	CO <sub>2</sub> emissions (t)	Intake of water resources(k ℓ )	Total waste (t)	Final waste disposal volume(t)	PRTR substance emissions (t)
Results	0.000554	283	2	78	8	0
YoY	-1.0%	-17.7%	+21.2%	-10.1%	+54.2%	—

### Efforts for biodiversity conservation: Working together with the local community



#### ● Spring water conservation activities

The Fuji Plant located at the foot of Mt. Fuji has spring water on the premises. Through beautification activities in the surrounding area, we strive to preserve spring water.



#### ◀ Long-headed poppy found during activities

Long-headed poppy, native to Europe, bears beautiful flowers, but it has strong fertility.

At the end of the flowering season, seeds were collected and disposed of by burning.



# FY2020 Activity Status at Each Base

## Nic Freight Co., Ltd.

Nic Freight Co., Ltd., the artery system of the Dynic Group, has established route networks in the Kanto and Kansai regions with the full use of large, medium, and small trucks. In December 2007, with the permission of railway freight transport, we entered the transport business, aiming for a further leap forward. Established in 1971.

### Head Office

1-3-13, Higashitokorozawa, Tokorozawa, Saitama Pref.,  
359-0021, Japan  
Tel. 04-2944-2291 Fax. 04-2944-2260  
<https://www.nicf.co.jp/>



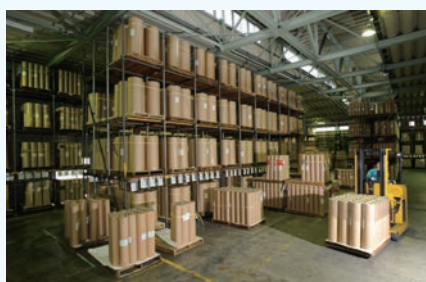
## ● Acquisition of Green Management Certification for transportation

We have acquired Green Management Certification for transportation.

### 【Certified offices】



Saitama Office



Shiga Office



Tokyo Logistics Center

### 【What is Green Management Certification for transportation?】

Green Management Certification is a certification system operated by the Foundation for Promoting Personal Mobility and Ecological Transportation; the certification is issued for transportation companies engaged in environmental conservation initiatives. One of the foundation's objectives is to increase transportation companies committed to environmental protection at a certain level or higher, thereby reducing the adverse effects of the transportation industry on the environment. The main focus of our company's efforts is to reduce CO<sub>2</sub> emissions by improving fuel economy (target: 1% reduction YoY).

## ● Report on environmental activities

As company-wide measures, we implemented the planned introduction of diesel vehicles that conform to the most recent regulations and the suitable treatment for end-of-life vehicles and discarded tires and batteries. For drivers, eco-driving education was provided; their driving performances were analyzed using digital tachographs; and eco-driving was further promoted through the understanding of individuals' fuel efficiency. In our offices, all employees carry out environmentally friendly activities, such as setting appropriate temperatures for air conditioning to save energy and preferentially purchasing Eco Mark products, etc., instead of disposable products.

# FY2020 Activity Status at Each Base

## DYNIC USA CORPORATION

This company was established in Hillsboro, Oregon, USA in 1988, as a strategic way for Dynic to enter the information industry in the USA. The company produces thermal transfer ribbons for bar coding and the fabric "CETUS" for tags and labeling, and exports these products to North, Central, and South America.



### Office & Factory

4750 N.E.Dawson Creek Drive, Hillsboro,  
Oregon 97124, U.S.A

TEL: 1-503-693-1070 FAX: 1-503-648-1185

<https://www.dynic.com/>

## Reducing the environmental burden—Installation of energy-saving equipment



### ● Upgrades of VOC treatment equipment

We upgraded the equipment for the combustion and decomposition of solvent exhaust gases generated during manufacturing.

Natural gas is used for operation, and with the upgrade, the gas consumption was reduced by approximately 68%.

## Efforts for biodiversity conservation

### ● Wetland conservation activities

We took part in cleanup activities at the Jackson Bottom Wetlands Preserve located near the factory of DYNIC USA in Hillsboro, Oregon.



Photograph taken when we started participating in the activities

These activities have been implemented once a year since 1997, in collaboration with other Japanese companies that have expanded into the Hillsboro area. In FY2020, we could not hold the cleanup event from the perspective of preventing the spread of coronavirus infection, but we would like to continue these activities.

# FY2020 Activity Status at Each Base

## KUNSHAN STAFLEX TEXTILE CO., LTD

This company was established in Kunshan, China in 1993, to produce and sell the fusible interlining "STAFLEX" to the local Chinese market and to the Japanese market. Currently, the company plays the primary role in Dynic's interlining business.

### Office & Factory

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Tel.86-512-5763-2028 Fax.86-512-5763-2038

### Shanghai Office

Room A-8406, No.808 Hongqiao Road, Jiahua Business Center, Shanghai, China

Tel.86-21-6448-1991 Fax.86-21-6448-2267



## Reducing the environmental burden—Installation of energy-saving equipment

### ● Installation of exhaust gas treatment equipment

In 2020, we introduced equipment to collect and treat all exhaust gases generated by machines at the Kunshan Plant to reduce VOC emissions.

In recent years, measures against air pollution have been considerably strengthened in China, and although there are regional differences, the country has seen significant environmental benefits. We will continue to work on environmental measures in accordance with China's environmental standards.



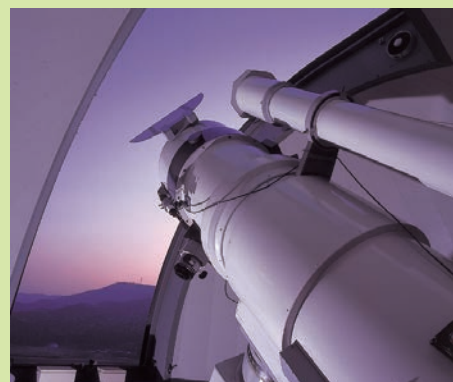


# FY2020 Activity Status at Each Base

## Astropark observatory

The Dynic Astropark Observatory, equipped with a 60-cm diameter reflector telescope and a variety of observation equipment, is the first public observatory operated by a private-sector enterprise.

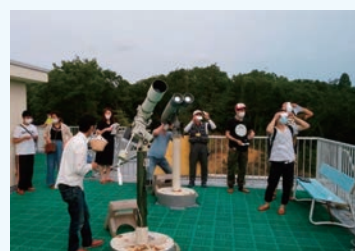
Since its foundation, Dynic has been deeply involved in the fields of culture and education through book binding cloth, and as an ideal form of social contribution and cultural activities, we opened the observatory in 1987.



## Partial solar eclipse viewing event

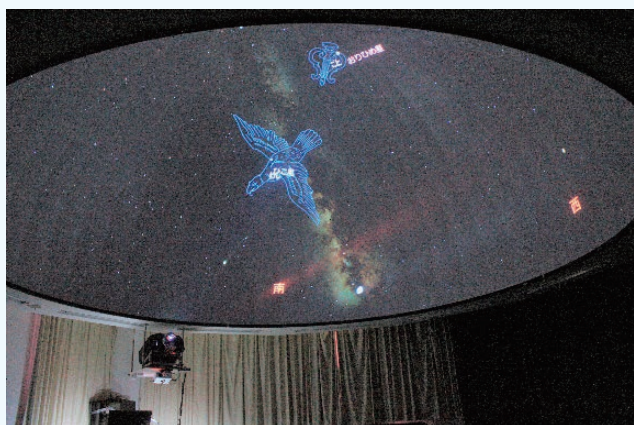
With the cooperation of the town of Taga's Industry and Environment Department, the Dynic Astropark Observatory inside the Shiga Plant hosts an astronomic observation club using the observatory's astronomical telescope as well as astronomic observation tours in which participants carry compact telescopes around for viewing the stars from different spots. These are intended to build stronger ties with local residents and numerous other participants.

On Sunday, June 21, we held a partial solar eclipse viewing event, and participants enjoyed seeing the sun going into eclipse caused by the moon.



## Digital planetarium

The full-fledged digital planetarium, which was installed last year to mark the centennial of the company's foundation, continuously enjoys high popularity.



## Measures against new coronavirus infection

The building is ventilated at all times and the ventilation status is continuously checked using a newly installed CO2 concentration meter.

At the entrance, visitors are requested to have their body temperature checked, have their hands and fingers disinfected with alcohol, and wear a face mask.





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## Environmental Report 2021

Issued by:Environment Enhancement Division,Dynic Corporation

Issued on:August 18.2021