

# Business Overview

## Green Technology System Division

We aim to further increase orders by allocating management resources to the prioritized sectors and proactively proposing solutions to customers.

We provide the building HVAC system and industrial HVAC system services in both Japan and overseas to help improve the environmental value of its clients.

In the Building HVAC System business sector, we design and construct air-conditioning systems for facilities that provide comfortable spaces for people and environment by conducting new construction and renovation facilities where many people gather, such as office buildings, schools, hospitals, hotels, museums, and airport terminals.

In the Industrial HVAC System business sector, we undertake the role of optimizing air-conditioning systems for factories and R&D facilities in the electronic parts, pharmaceutical products, biotechnology, and other fields where a very clean environment is essential in the manufacturing process.

We also focus on providing environment protection systems, such as exhaust-gas treatment devices and antipollution systems.

### Technologies and services provided by Taikisha



**Energy-saving air-conditioning system**  
Effective energy-saving operation is available for the entire air-conditioning system by implementing the Energy Plant Optimal Control System, which calculates optimal values at all times to enable operational settings in real time.

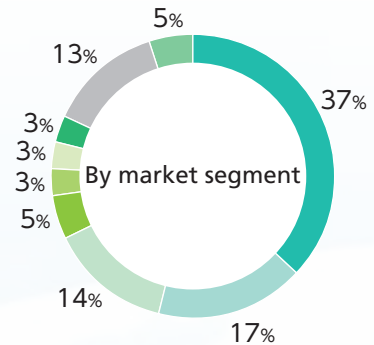


**Facility renewal**  
Renewal of heat-source, air-conditioning and electrical facilities, etc. increases the asset value of buildings, factories, etc., improves their productivity and reduces their life cycle costs such as operational management costs and lighting, fuel and water costs.



**Vege-factory**  
A fully artificial hydroponic plant factory which ensures cultivation with the optimal biological environment for the plant by precisely controlling the lighting, temperature, humidity, nutrient solution and other elements. It is the world's only facility that can produce crisphead lettuce in a large volume.

## Orders received



- Electrical, electronic and audio machinery manufacturing plants
- Business and government offices
- Chemical and pharmaceutical plants
- Technical research facilities and space development facilities
- Commercial facilities
- Other plants
- General machinery and equipment manufacturing plants
- Others
- Uncategorized orders-received by small-scale affiliates

## Paint Finishing System Division

We aim to further increase orders by allocating management resources to the prioritized sectors and through alliances with overseas affiliates.

We design and construct automotive paint finishing plants that harmonize high coating quality with energy-saving and advanced environmental technologies based on Taikisha's core technologies cultivated in the HVAC business, such as exhaust treatment and air flow control. We also design and construct paint finishing systems for railway car and aircraft in recent years.

We have received orders for the automobile paint finishing systems of automakers not only in Japan but also globally, including in the U.S.A., Europe, South Korea, China, and India, and currently boasts the top-level of market share in the world. Our services range from painting robots, conveyor systems, and paint supply systems, expanding to cover total plant engineering services from design to construction of the whole plant.

In recent years, we pursue increasing painting efficiency to 100% and are making efforts to minimize the amount of paint used and VOC emissions. In addition, we contribute to the energy management of clients.

### Technologies and services provided by Taikisha



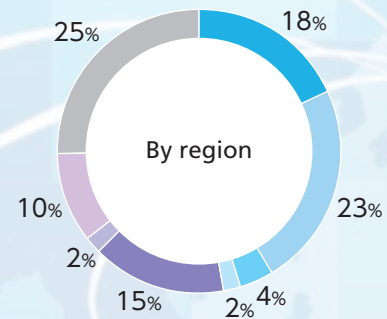
**Robot paint system**  
Utilizing simulations with CAD, the design of a robot paint system seeks the most efficient painting procedure and determines the optimal required number and layout of robots. Furthermore, as its solution, Taikisha configures a system to meet each client's tailored needs with an optimized choice for devices.



**Conveyor system**  
Taikisha's unique systems are available with overhead conveyers for pretreatment and electrodeposition lines, as well as floor conveyers for intermediate coat and top coat lines and help to design compact and highly efficient factory layouts for production.



**Aircraft and railway car painting**  
Taikisha delivers automated aircraft painting systems aimed at enhancing productivity and quality, decreasing material requirements and reducing hazardous work by applying know-how cultivated in the automotive painting business. Taikisha can accommodate a wide variety of diversified components and parts.

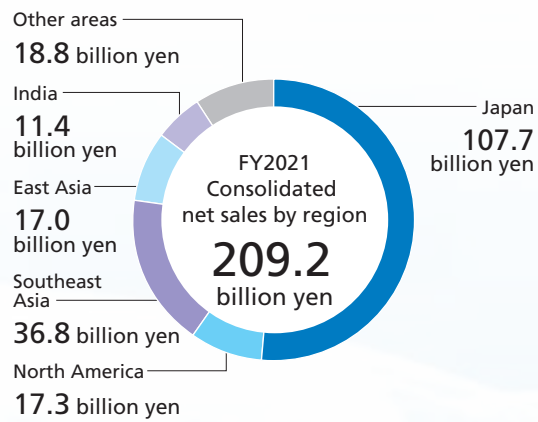


- Japan
- North America
- Thailand
- Other Southeast Asia
- China
- Other East Asia
- India
- Other areas

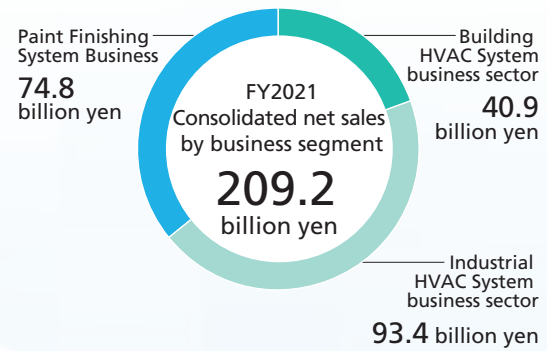
#### Major countries or regions

- Southeast Asia: Singapore, Malaysia, Indonesia, the Philippines, Vietnam, etc.
- East Asia: Taiwan, South Korea
- North America: U.S.A., Canada, Mexico
- Other areas: Russia, South America, etc.

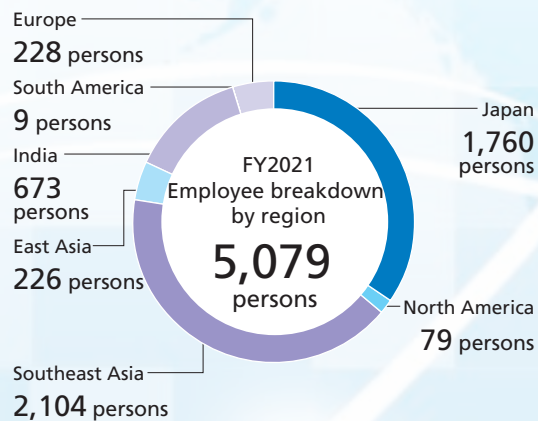
### Consolidated net sales by region



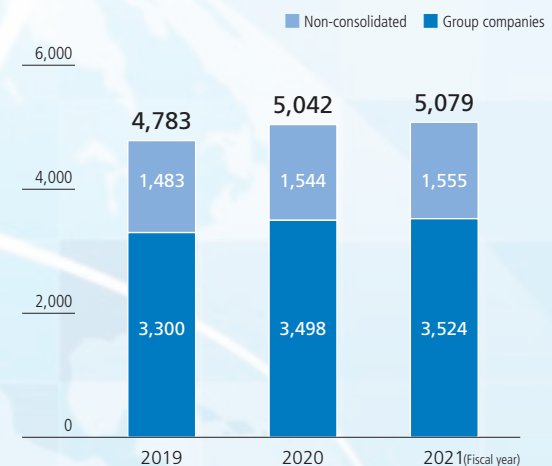
### Consolidated net sales by business segment



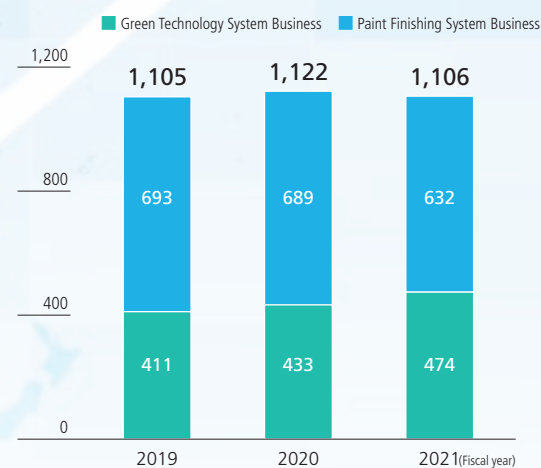
### Employee breakdown by region



### Number of employees (persons)



### R&D expenses (million yen)



### Point

#### Net sales of the automobile paint finishing system business

Taikisha is a global environment engineering company that boasts **Japan's No. 1 position** and **the world's No. 2 position** in terms of net sales of the automobile paint finishing system business.

