

Green Technology System Division

In the Green Technology System Business, we use environmental control technology that comprehensively controls energy, air, and water to create an environment that makes people comfortable and design and install air-conditioning systems that is optimal for manufacturing.



Director, Executive Corporate Officer, Chief General Manager, Green Technology System Division

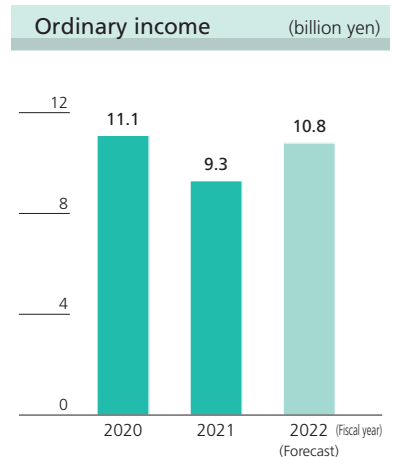
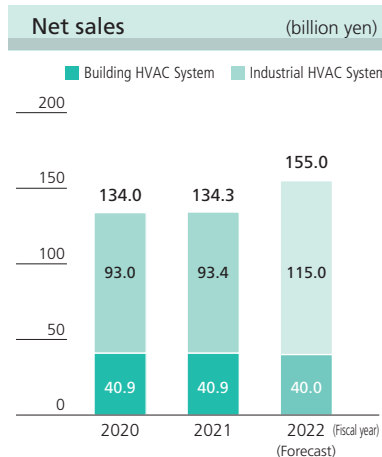
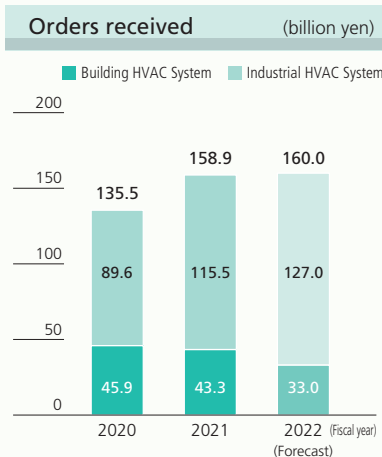
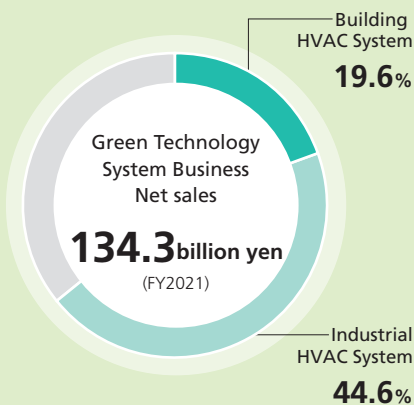
Masashi Osada

In the 1930s, when the Japanese spinning mill industry grew rapidly, the Company strengthened its air-conditioning technologies, such as temperature and humidity control and air flow control, which are important in the fine spinning process. The Company's business rapidly expanded as it undertook a number of installation works of air-conditioning systems for spinning mills. During the period of rapid economic growth in the 1960s, plants were being constructed in a variety of fields. At these plants, HVAC systems that could maintain a high level of air purity were needed to prevent damage to products. In response to such need, the Company strove to achieve higher technological expertise, delivering precision air-conditioning and cleanroom systems. The Company has been involved in many HVAC systems in factories that require high levels of air purity and strict temperature and humidity control, such as in electrical and electronic parts fields, chemicals and pharmaceutical fields, and medical equipment fields. As can be seen from the fact that Kenzaisha (Taikisha) became closely identified with industrial HVAC systems, Taikisha is particularly talented in the field of industrial air conditioning.

Taikisha has a long history of global development, and its first overseas construction project dates back to 1940. We have been actively promoting overseas business since early on, mainly by following the overseas expansion of Japanese companies, who were our customers. To date, we have installed our systems in more than 50 countries and regions. A reliable customer support system with local bases and cost competitiveness through increased localization are our major strengths.

As climate change is recognized as one of the world's most important issues today, the Taikisha Group has positioned the challenge of carbon neutrality as a central theme for realizing sustainable society and corporate growth. The Company believes it is our mission to create innovation that takes into account the entire life cycle of facilities. To carry out the mission, we work closely with customers in Japan and overseas who have set high goals and are engaged in decarbonization and low carbonization, and leveraging its ability to respond globally as well as to integrate a wide variety of equipment and applications to provide optimal systems.

Ratio of consolidated net sales by business segment



Strengths

- Pursuit-based problem solving cultivated by serving high requirements from customers
- Ability to respond to high-spec projects and extensive construction experience
- Providing customer-oriented solutions (initiatives at customer service centers and technical proposals to help solve customer issues)
- Strengths of the global network

Business environment

- Increasing demand for low-carbon buildings and the growing need to develop advanced energy-saving technologies
- Accelerating capital investment to realize a sustainable society symbolized by keywords such as carbon neutrality and smart factories
- Increasing capital investment by manufacturing companies, faced with a global shortage of semiconductors and competition in the development of electric and fuel-cell vehicles
- Accelerating smartification of factories and other facilities, with increasing need for labor-saving and automation against the backdrop of advances in digital technology and decline in the working population in Japan
- Many ultra-large-scale redevelopment projects are planned mainly in the Tokyo metropolitan area, and renovation of aging buildings and infrastructure and renewal of carbon-neutral buildings are expected to expand.
- Lack of future workers in the construction industry and smartification of construction sites through DX

Key strategies

1) Strengthen Taikisha, the Technology Company

- We will focus on areas where we can demonstrate our advanced technological capabilities, such as electrical and electronic parts, chemicals and pharmaceuticals, and medical equipment, and refine our capabilities. We will also strengthen ties with customers and actively follow their technological innovations.
- Develop specialists through experience in cutting-edge technology projects, and promote accumulation and transmission of technology. At the same time, we will build an organization with mobility and respond flexibly to the technical needs of customers and projects.
- We will contribute to the realization of a recycling-oriented society by expanding orders for large-scale redevelopment and building renewal works.
- The newly rebuilt Research and Development Center and R&D Satellite will showcase the Company's technology and uncover potential customer needs. We aim to create new value by creating opportunities for joint development.

2) Improve business operation systems and productivity

- Amid inevitable decline in the working population and a shortage of workers in the construction industry in Japan, we will strive to improve productivity by utilizing the latest technologies and systems.
- Actively promote the introduction of digital devices and on-site work support tools, and promote the digitalization and DX of work that has traditionally been done manually. We will use BIM to promote efficiency in construction drawing work.
- These measures are aimed at reducing working hours and improving the ease of working and work-life balance of employees.

3) Expanding orders from non-Japanese customers

- In light of the recent decline in foreign direct investment from Japan, we will further expand our overseas business by increasing orders from customers other than Japanese companies through our overseas networks.

4) Human resource development

- Recognizing that engineering is the lifeblood of the Company, we will train professionals with abundant knowledge and experience to enhance construction quality.
- We aim to become a Group where all employees can work lively regardless of country, region or race, and contribute to the economic development and technological improvement of countries where we operate. Create opportunities for national staff at overseas affiliates.