

## 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 clients.

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

In the industrial HVAC system 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 environmental protection systems, such as VOC abatement system 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.



**Cleanroom**  
Taikisha's technology achieves the required clean level at the optimal ventilation count, and its cleanroom technologies provide a cutting-edge production environment with measures such as ultra-precise temperature control, noise control, microscopic vibrations control, and molecular contamination control.



**Pharmaceuticals manufacturing-related**  
Taikisha meets a wide variety of requirements imposed by pharmaceutical manufacturers by introducing validation support, which is compliant with the latest GMP at factories and laboratories, optimum room pressure control, the hydrogen peroxide-based decontamination system, and others.



**VOC treatment and odor control systems**  
Organic solvents and malodorous gases are treated by the regenerative thermal oxidizer with high efficiency. Taikisha proposes optimum energy-saving systems combined with hydrophobic zeolite-based concentration equipment as required.



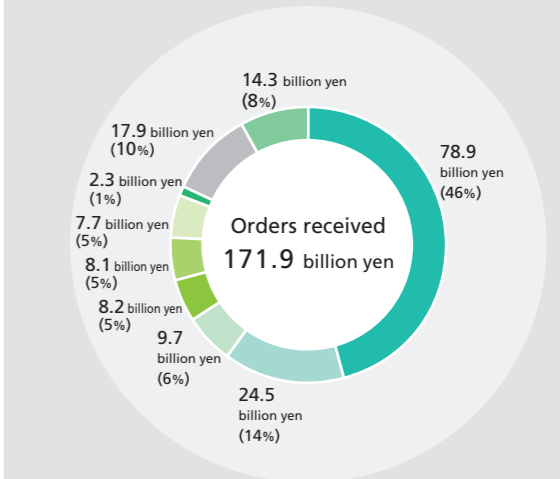
**Vege-factory**  
Taikisha develops a fully artificial hydroponic plant factory which ensures cultivation with the optimal biological environment for the plant by precisely controlling the lighting, temperature, humidity, nutrient solution and other elements. It is the world's only facility that can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



**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.

### Orders received

● By market segment



- Electrical, electronic and machinery plants
- Office building
- Technical research facility
- Transportation machinery
- Chemical and pharmaceutical plants
- Food and fishery plants
- Commercial facilities
- Others
- Uncategorized orders-received by small-scale affiliates

## Paint Finishing System Division

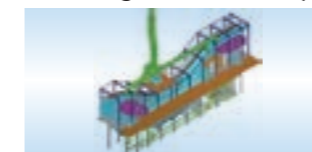
We aim to further increase orders by allocating management resources to the prioritized sectors and through alliances with overseas affiliates.

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 boast the leading 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 make 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



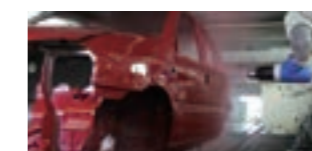
**Pretreatment system**  
Taikisha offers its paint finishing systems for pretreatment that are designed to improve processing quality and to conserve energy. Its unique lineup includes the iron powder removal system, high-performance washing system, counter-flow circulation tank in the degrease process, and high-pressure spray water washing processes.



**Electrodeposition system**  
Taikisha's counter-flow circulation system (C-FLOW Electrodeposition Circulation System) for electrodepositing tanks has been introduced in many lines. Furthermore, its multi-stage washer systems offer a high paint recovery rate using ultra filter (UF) membranes or reverse osmosis (RO) membranes.



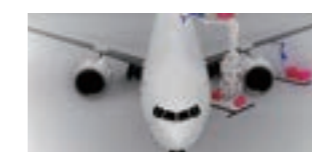
**Paint booth**  
In combination with booth interior environments that realize high-quality painting, Taikisha proposes energy-saving leveraged by technologies such as CIRCULA scrubber which boasts high performance and low noise, dry scrubber, exhaust recycling, HVAC control and other technologies.



**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.

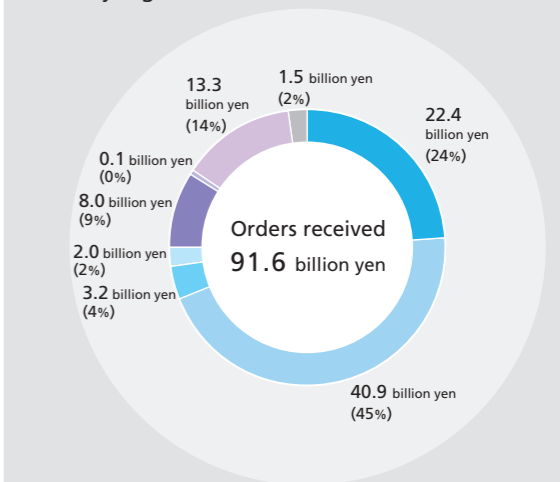


**Conveyor system**  
Taikisha's unique systems are available with overhead conveyors for pretreatment and electrodeposition lines, as well as floor conveyors for intermediate coat and top coat lines and help to design compact and highly efficient factory layouts for production.



**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.

● By region



- 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: Hungary, South America, etc.

Taikisha is conducting business globally as an environment engineering company in two core business fields: the Green Technology System Division (Building HVAC and Industrial HVAC) and the Paint Finishing System Division. Taikisha boasts the high ratio of overseas sales by far in the Japanese construction industry, with 28 overseas consolidated subsidiaries in 19 countries (as of June 30, 2024). Some consolidated subsidiaries have already received orders for

many projects from non-Japanese companies because they have promoted activities rooted in the local areas for a long period of time. This robust global network, which enables the flexible utilization of resources across borders, has become a strong advantage for the Taikisha Group.

Number of employees of the group companies

**5,142**  
persons

Number of overseas group companies

**30**  
companies

Japan

**1,985** persons  
**5** companies

Europe

2024 Hungary  
2024 Germany

**2** companies

Asia

1971 Thailand  
1981 Malaysia  
1985 Singapore\*  
1989 Taiwan  
1990 Indonesia  
1992 Republic of Korea  
1994 China  
1995 India  
1995 The Philippines  
1998 Vietnam  
2011 Cambodia  
2019 Laos

**3,063**  
persons

**23**  
companies

\* The figure for Singapore represents the year when the Singapore Branch Office was established. (The year the company was established is 2004.)

Group Companies

Japan

San Esu Industry Co., Ltd.  
Nippon Noise Control Ltd.  
Tokyo Taikisha Service Ltd.  
Vege-Factory Co., Ltd.  
FreDelish Co., Ltd.

Europe

Taikisha Deutschland GmbH  
Taikisha Hungary Kft.

Asia

Wuzhou Taikisha Engineering Co., Ltd.  
Tianjin Dongchun-Taiki Metal Finishing & Conveyor System Manufacturing Co., Ltd.  
Tianjin Taikisha Paint Finishing System Ltd.  
Taikisha (Taiwan) Ltd.  
Taikisha Korea Ltd.  
Taikisha (Thailand) Co., Ltd.  
Taikisha Trading (Thailand) Co., Ltd.  
Thaiken Maintenance & Service Co., Ltd.

Token Interior & Design Co., Ltd.  
TKA Co., Ltd.

Taikisha Vietnam Engineering Inc.  
Taikisha Lao Co., Ltd.  
Taikisha (Cambodia) Co.,Ltd.  
Taikisha Philippines Inc.  
Taikisha (Singapore) Pte. Ltd.  
Taikisha Engineering (M) Sdn. Bhd.  
Makiansia Engineering (M) Sdn. Bhd.  
P.T. Taikisha Indonesia Engineering  
P.T. Taikisha Manufacturing Indonesia  
Taikisha Engineering India Private Ltd.  
Nicomac Taikisha Clean Rooms Private Limited

The Americas

Taikisha USA, Inc.  
Encore Automation LLC  
Taikisha Canada Inc.  
Taikisha de Mexico, S.A. de C.V.  
Taikisha do Brasil Ltda.

North America

1981 U.S.A.  
1985 Canada  
1990 Mexico

**88** persons  
**4** companies

South America

1996 Brazil

**6** persons  
**1** company