

**CORPORATE PROFILE 2025** 





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## Top Message



#### **Purpose**

Supporting people's futures by using sensing and control to solve issues faced by

#### **Vision**

Hitachi High-Tech Solutions is a technology and solutions company that aims to harness the capabilities of sensing and control to solve social and customer

#### **Mission**

Our wide channels with society and our customers and our highly proficient front-facing capabilities uncover various potential issues they might face. The combination of Hitachi High-Tech's core of "Changing the World and Future with the Power of Knowledge (Observation, Measurement, and Analysis)" with the Hitachi Group's core of "Lumada/Total Seamless Solution Comprehensive Proposal Capabilities (IT, OT and Products)" centered around our core "Sensing & Control Technology + SI\* Solutions Business Domain" enable us to create, propose and provide problem-solving ecosystems, helping to overcome human dependence in the manufacturing industry, and contributing to our customers, society, and the environment through achievements in innovation in highefficiency, energy-saving production processes.

\*SI (System Integration): A business that provides analysis and consulting on issues pertaining to customer operations, and comprehensively conducts planning, drafts proposals, develops program, and even selects, implements, and maintains

President Masao Haritaya

### Board of Directors and Auditors



President Masao Haritaya



Board Director Hironobu Hiramatsu



Board Director Tetsuji Takada



Board Director Toshio Mikan



Board Director Naohiko Yamagami



Supervisory Board Member Kenji Makabe



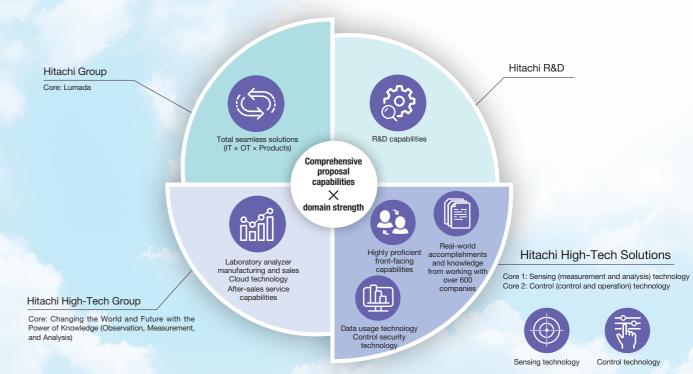
Audit & Supervisory Board Member Hiroshi Omura

## Advantage & Solution

#### The Strengths of the Hitachi High-Tech Solutions Corporation

What Hitachi High-Tech Solutions Corporation Can Do for You

Sensing (measurement and inspection) + control technology + SI solutions business domain



#### Social and customer issues

Hitachi High Tech

Solutions' problem-solving

capabilities

#### **Customer Issues**

- Addressing labor shortages
- · Improving profitability
- · Improving productivity
- Improving yields
- High-added-value products
- High-mix small-lot (variable) production
- Shortening product lifecycles in order to keep up with rapid changes in market conditions
- Use of data and Al

#### Hitachi High-Tech Solutions Proposals

- Batch production and control expertise
- · Labor-saving operations
- Controls for quality-focused production
- Controls for shortening production lead times
- Controls for stable production of high-added-value
- Detail-oriented batch operation
- Controls
- Product life cycles
- Data management
- Security measures

From reliance on human experience and expertise, to operation that closely incorporates 4M (HuMan, Machine, Material, Method) with a focus on controls Field High-performance chemicals Batch controls Biopharmaceuticals Base businesses Biopharmaceuticals have been effective against As AI technology grows and becomes more widespread, semiconductor production is on the rise. We contribute to a variety of fields through our real-Demand for the high-performance chemical materials

diseases that are difficult to treat with conventional small molecule drugs, and the market is expanding rapidly in the pharmaceutical industry. The manufacturing of biopharmaceuticals requires advanced technology, and the improvement of control technology in cell culturing and purification processes is a challenge. Our batch control technology contributes to improving efficiency and quality in these manufacturing processes, where control technology poses significant challenges

required for this production is also increasing, and our batch control technology contributes to stable production in high-performance materia manufacturing processes

Storage battery materials

world accomplishments, expertise, knowledge, and strengths in customer domains that have been cultivated for over half a century. Food

Water supply and sewers

# Products & Solution

Manufacturing × DX

Infrastructure × DX

# **OT** Solution

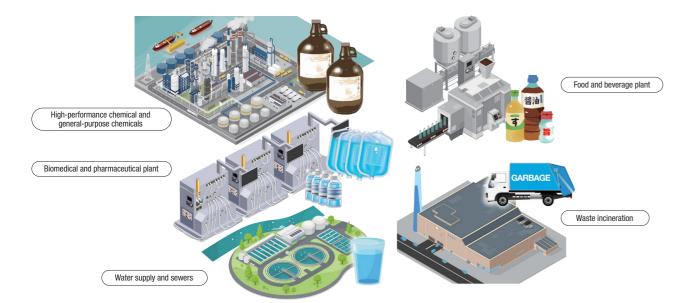
We bring together our functions as a manufacturer and trading company to provide OT solutions

#### OT: Operational Technology

Infrastructure

Measurement/control/analysis Use of data, control optimization

Control and Operational Technology (OT) has contributed to Japan's economic development since the period of rapid economic growth (around 1954-1973) through the accumulation of plant controls together with control and operational data. The harnessing of data to achieve improved productivity, energy savings and labor savings requires expertise in the three fields of measurement equipment, control systems and data analytics. We work with our customers to solve issues and provide optimal solutions based on our own industry expertise and the knowledge we have gained, including from manufacturing fields such as chemicals, food and beverages, and pharmaceuticals, as well as infrastructural fields such as water supplies and sewerage, gas, electric power, and waste incineration.





#### **Monitoring and Control Systems**











These systems are used in various types of social infrastructure facilities such as chemical, pharmaceutical and food and beverage manufacturing plants, or water, environment-related and power plants. Our monitoring and control systems are for facilities that require complex controls, such as long-term stable operation of process automation, as well as high-mix and variable-volume production. Since 1975 we have a track record of providing comfortable operating environments with operation software that provides great operability and highly reliable controllers. These systems work with a variety of data-driven IoT solutions, including secure remote monitoring, manufacturing control, forecasting and diagnostics, as well as Al control, and contribute to the improvement of customer productivity.





Distributed Control System (DCS) EX-N01A



#### Manufacturing Execution Systems (MES)





Our Manufacturing Execution Systems (MES) help with the prevention of operational errors, the streamlining of work and the centralized management of information, at chemical and food manufacturing sites. We provide packages that integrate various instructions and performance management functions at the manufacturing site, extending from the receipt of raw materials through to inventory management, weighing work, and input work.



#### **Quality Control Systems (LIMS)**











The inspection data management system LabDAMS is a Laboratory Information Management System (LIMS) that centrally manages the information handled in analysis and quality inspection operations through the use of a database to improve operational efficiency and reliability.



## Products & Solution of Solution

#### Predictive Diagnostic Systems











These systems detect "unusual conditions" with a high level of accuracy, while contributing to the early detection of process abnormalities and improving the efficiency of factor analysis. The BD-CUBE predictive diagnostic system is a process data analysis software that utilizes machine learning It quickly and accurately detects signs of abnormalities in equipment and quality, and shows which areas should be



Predictive Diagnostic System BD-CUBE

#### Control optimization (quality improvement/yield improv

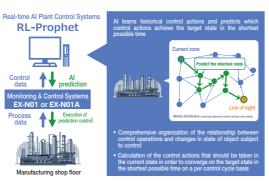








The new reinforcement learning technology developed by Hitachi builds training models based on historical operational data output from monitoring and control systems, and performs process control using Al. This combination of monitoring & control systems and the RL-Prophet Al control system can lead to further improvements in production quality and yield.

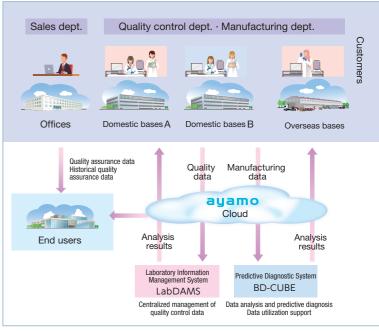


Real-time Al Plant Control Systems

#### **Data-driven solutions**

We utilize data and the latest technologies (such as AI) to provide new solutions to customers' issues. For example, the customer's product quality data is acquired and centrally managed by the LabDAMS quality management system on a high-security private cloud, where it is shared across the customer's multiple locations and departments in order to prevent quality fraud.

In addition, we assist the customer in using their data using our predictive diagnostic system BD-CUBE. It analyzes the acquired data to detect and notify the customer of signs of drops in quality or equipment failures.



Laboratory Information Management System (LabDAMS) + private cloud service + predictive diagnostic system (BD-CUBE)

#### Field Instruments/Analyzers











We operate in various fields, building on our many years of experience. We strive to ensure stability and reliability that can withstand harsh operating environments.























Online PCB monitor

#### **Environment/Process Analysis Equipment**





















Portable gas analyzer





Silica analyzer

Total phosphorus

#### Success Stories

#### DKS Co. Ltd.

#### CyberPlant-ChemiFact: Manufacturing Execution System for Chemical Plants

#### (1) The issue: Optimizing a factory that handles high-mix small-lot production

DKS Co. Ltd. manufactures and sells industrial chemicals and other products. When introducing a manufacturing execution system (MES), they were faced with the challenge of preventing human error and stabilizing quality in the diverse range of manual processes involved in high-mix small-lot production. In addition, the company also planned to use the data it had acquired to review its production processes.

#### (2) Main reasons for introduction

- Many of the generic functions such as weighing and inventory management are included as standard, making system design easy.
- The company went as far as proposing changes to on-site operations in order to ensure the system could be implemented as effectively as possible and to keep their investment
- They were able to plan quality and productivity improvements thanks to being able to collect various manufacturing-related data on things like raw materials, products and work

#### (3)What we could solve

Standardizing work through systematization has reduced workers' psychological burden and contributed to stabilizing product quality. The system has also made it possible to gather previously unavailable data, pinpoint problems in production processes and manage raw materials' traceability.

#### (4) Customer feedback

"From the design phase on through the post-installation support phase, they helped us solve issues from our perspective. We're now looking forward to working with them on our company's adoption of DX, which is a pressing issue for us." (DX: Digital Transformation)



Our company's MES has been adopted at the Yokkaichi Plant of DKS Co. Ltd., where it is realizing quality stabilization through standardization and systemization. With the experience and results gained from using the acquired data to improve productivity, they are also considering rolling out the MES across their other plants.

#### Benefits

In order to optimize the factory, which handles nigh-mix small-lot production, it was necessary to standardize operations and visualize production



Being able to standardize generic operation has stabilized quality. The company was also able to use data to visualize production

# Sustainability

We are undertaking various initiatives aimed at establishing a sound management base.



#### **Working Style Reform Initiatives**

We are implementing various work style reforms and various systems to accommodate diversifying lifestyles and a changing social structure, and to ensure all employees can balance their family life with satisfying work. Specifically, we are promoting the 20-20 project (20 hours monthly average overtime and 20 days of annual leave) aimed at achieving a highly productive work style. In addition, we have set the three priority items of "diverse work styles," "communication," and "physical and mental health" with the aim of achieving employee happiness and well-being in both their work and home life.

In order to support the balance between work and family life, we are striving to develop and spread childcare and nursing care systems based on trends in changes to laws and regulations. All employees are eligible for working from home, satellite office work and spot remote work, flexible working hours can be individually selected within a fixed range (three days off each week is possible depending on how non-working days are set), and we are promoting hybrid work that increases flexibility in terms of work locations and times and allows employees to choose their work style individually. In addition, we are working to raise the percentage of male employees who take childcare leave to 100%, with the aim of promoting female participation in the workplace through the dispelling of the awareness of gender roles as well as improving engagement by achieving a balance between work and home life.





#### **Health and Productivity Management Initiatives**

We recognize that the health of employees, who are ultimately the ones providing added value, is an important management resource that a company must maintain in order to continue being considered necessary for society. For this reason, we enacted our Health and Productivity Management Declaration in 2021 and are undertaking various initiatives aimed at creating a work environment where our employees can work while maintaining good physical and mental health. Specifically, we are focusing on the three themes of "disease prevention," "mental health" and "work/life balance." These initiatives have received praise and have continued to be certified every year since 2022 under the Certified Health & Productivity Management Outstanding Organizations Recognition Program (large enterprise category) coordinated jointly by Japan's Ministry of Economy, Trade and Industry (METI), and Nippon Kenko Kaigi (Japan Health Council). While continuing to enhance our health promotion system, we will focus on our efforts toward creating a comfortable workplace for everyone.







#### **Education & Training Programs and Careers**

We believe that the growth of each employee is the growth of the company, and we are working to support career development and to create an environment where employees can think independently and take on challenges. The Hitachi Group is proud to offer several hundred types of educational and training programs, so employees can take courses that best suit their work experience and skills. We provide an environment where employees can learn the latest trends and highly specialized knowledge as needed, starting with introductory training after hiring, as well as training to improve skills, rank-based training according to job responsibility and age, the obtaining of qualifications, systems to support employees working on self-development, and on-demand learning.

In career development support, we are deploying measures that emphasize the meaning, significance and values of the work we do for each and every employee. We support the independence and autonomy of employees, who are key to our future, by creating a mechanism to utilize each individual's will and ambition in the organization, and by encouraging mutual understanding in order to foster a sense of unity and teamwork, thus improving organizational strength and performance.

We are also working to improve employees' career ambitions and to foster job satisfaction through career interviews, career guidance by age group.





## Sustainability

Hitachi High-Tech Group is promoting sustainability initiatives throughout the organization. Scan the QR code for more information.



#### **Environmental activities**

#### Realizing a Decarbonized Society

In addition to our ongoing promotion of energy-saving investments, we have achieved carbon neutrality at our business sites by switching to renewable energy sources for the electricity we use. We also aim to achieve carbon neutrality throughout our entire value chain by FY2050, from procurement of raw materials to product disposal.

#### Realizing a Recycling-Oriented Society

We encourage recycling of resources by limiting the amount of waste product generated in manufacturing, and selecting highly resource-efficient partners for resource recycling. In addition, we are working to control water usage through the monitoring the amount of water used at our business sites as well as the early detection of water leaks.

#### Realizing a Society in Harmony with Nature

We are promoting biodiversity conservation efforts through participation in forest conservation programs and cleanups (Clean Strategy) in order to bring about a future in which humanity can live in harmony with nature.

#### Acquired ISO 14001 (EMS) environmental certification

We work to reduce our environmental impact and conserve the environment by establishing and promoting targets and objectives for environmental activities.

#### Clean Strategy (local litter removal activities)





Mito Division conducts cleanup activities in the areas surrounding our plant.

## Profile

#### Company Overview (As of April 1, 2025)

Company Name	Hitachi High-Tech Solutions Corporation	
Date Established	October 1, 1987	
Head Office	Toranomon Hills Business Tower, 1-17-1 Toranomon, Minato-ku, Tokyo 105-6410, Japan	
Capital	400 million yen	
Accounting Period	March (once annually)	
Number of Employees	406	
Stockholder	Hitachi High-Tech Corporation 100%	
Main Banks	Mizuho Bank, Ltd. MUFG Bank, Ltd.	
Board of	President	Masao Haritaya
Directors and Auditors	Board Director	Hironobu Hiramatsu Tetsuji Takada Toshio Mikan Naohiko Yamagami
	Audit & Supervisory Board Member Kenii Makabe	
		Hiroshi Omura

#### History

1987 Nissei Engineering Inc. established

2004 ♦ Merged with Nissei Electronics, Ltd. took over the instrumentation business of Hitachi High-Technologies Corporation (now Hitachi High-Tech Corporation) and changed the company name to Hitachi High-Tech Trading Corporation

2012 Merged with Hitachi High-Tech Solutions Corporation and changed the company name from Hitachi High-Tech Trading Corporation to Hitachi High-Tech Solutions Corporation

Fused the hardware (instrumentation/installation) businesses of Hitachi High-Tech Trading Corporation with the software development capabilities of Hitachi High-Tech Solutions Corporation to form a new solutions

2013 Took over the instrumentation business of Hitachi High-Tech Control Systems Corporation

Took over the railway track inspection equipment, HDD/FPD manufacturing/inspection equipment and lab solutions businesses of Hitachi High-Tech Fine Systems

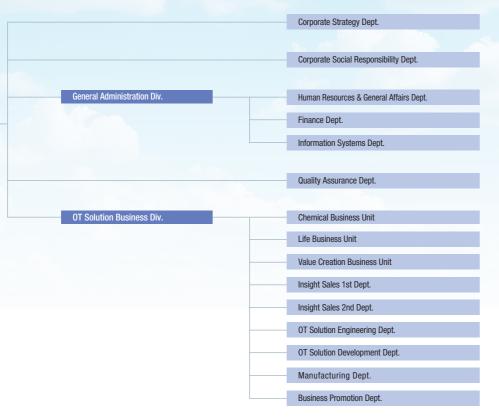
2023 ICT business, HDD/FPD manufacturing and inspection equipment, and lab solutions business were transferred to Hitachi High-Tech Corporation

IS business, which provides rail inspection equipment and peripheral inspection equipment, was transferred to Hitachi High-Tech Corporation

## **O**rganization

#### Organization chart





#### Network

Head Office	Toranomon Hills Business Tower, 1-17-1 Toranomon, Minato-ku, Tokyo 105-6410, Japa  Main Phone:+81-3-3504-7773  OT Solution Div. FAX:+81-3-3504-6157		
Head Office	Construction License (Specific) Electrical Construction/Telecommunications Construction Plumbing Business		
Mito Division	500 Miyu-cho, Mito-shi, Ibaraki 319-0316, Japan Phone:+81-29-257-5100 FAX:+81-29-257-5120		
Hokkaido Sales	1-1-2 Kita 7 Jonishi, Kita-ku, Sapporo-shi, Hokkaido 060-0807, Japan		
Office	Phone:+81-80-8860-1335 FAX:+81-11-707-3410		
Ibaraki Sales	500 Miyu-cho, Mito-shi, Ibaraki 319-0316, Japan		
Office	Phone:+81-70-4218-2138 FAX:+81-29-257-5120		
Kashima Sales	4-7-11 Onohara, Kamisu-shi, Ibaraki 314-0144, Japan		
Office	Phone:+81-80-9202-4433 FAX:+81-299-92-0566		
Chiba Sales	2-6-1 Goichuo higashi, Ichihara-shi, Chiba 290-0054, Japan		
Office	Phone:+81-80-8734-9603 FAX:+81-436-20-8177		
Chubu Sales	2-13-19 Nishiki, Naka-ku, Nagoya-shi, Aichi 460-0003, Japan		
Office	Phone:+81-80-8119-2243 FAX:+81-52-219-1869		
Yokkaichi Sales	1-2-25 Yasujima, Yokkaichi-shi, Mie 510-0075, Japan		
Office	Phone:+81-80-8734-9605 FAX:+81-59-353-0424		
Kansai Sales	3-3-31 Miyahara, Yodogawa-ku, Osaka-shi, Osaka 532-0003, Japan		
Office	Phone:+81-80-8420-6927 FAX:+81-50-3153-0700		
Chugoku Sales	14-4 Hatchobori, Naka-ku, Hiroshima-shi, Hiroshima 730-0013, Japan		
Office	Phone:+81-80-8119-2249 FAX:+81-82-221-4513		
Kyushu Sales Office	12-20 Kamikawabatamachi, Hakata-ku, Fukuoka-shi, Fukuoka 812-0026, Japan Phone:+81-80-8119-2251 FAX:+81-92-271-6307 Construction License (Specific) Electrical Construction/Plumbing Business		

Certification by office \*1: Head Office/Sales Office, \*2: Mito Division, Construction License No.: Specific-04 No. 19662,

ISO14001 (EMS) Certificate No.: EC99J1062 \*1 ISO14001 (EMS) Certificate No.: EC99J2015 \*2,

ISO9001 (QMS) Certificate No.: 09 100 6804 \*2,



Head Office



Mito Division