

Hitachi Investor Day 2024

Connective Strategy

June 11, 2024

Jun Abe

Executive Vice President and Executive Officer, General Manager of Connective Industries Division, Hitachi, Ltd.

Self Introduction



Executive Vice President and Executive Officer, General Manager of Connective Industries Division

Jun Abe

• Joined Hitachi and engaged in database software development and the data storage business

- Jointly researched with the University of Tokyo on big data acceleration
- Engaged in OT data touchpoints in the control platform business and the industry and distribution business
- Led the management of Hitachi Vantara and the PMI of JR Automation and GlobalLogic
- Consistently involved in data handling and delivering value to customers since joining Hitachi
- Achieve new growth by transforming business groups with industrial products at their core with digital technology
- Strive for increasing the productivity of frontline workers by utilizing digital technologies, such as generative AI and the industrial Metaverse, in response to various social issues such as securing laborforce and skill inheritance

Contents

1. Progress and Results of the 2024 Mid-term Management Plan

- 2. Obtaining New Opportunities for Growth
- 3. Reinforcement of Management Base
- 4. Conclusion

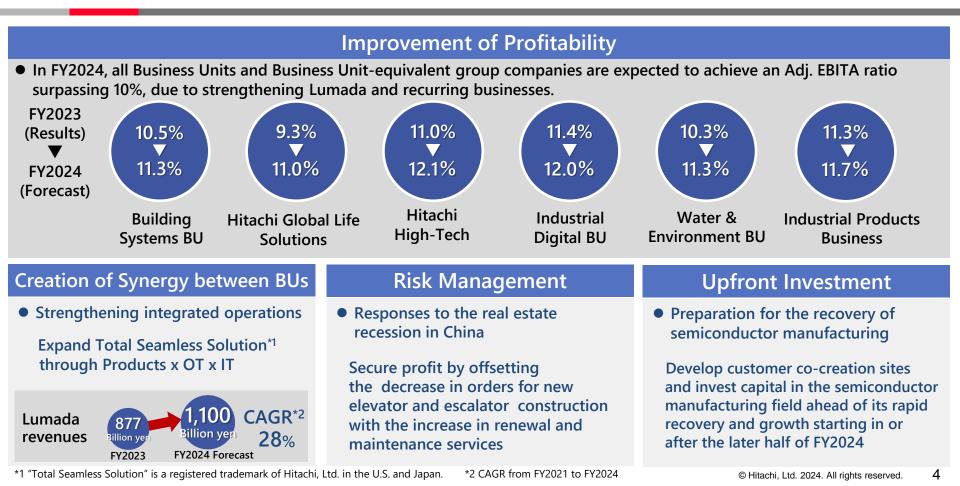
Appendix

Contents

1. Progress and Results of the 2024 Mid-term Management Plan

- 2. Obtaining New Opportunities for Growth
- 3. Reinforcement of Management Base
- 4. Conclusion
- Appendix

1. Progress and Results of the 2024 Mid-term Management Plan HITACHI Inspire the Next



Contents

1. Progress and Results of the 2024 Mid-term Management Plan

2. Obtaining New Opportunities for Growth

3. Reinforcement of Management Base

4. Conclusion

Appendix

2-1. Opportunities for Growth in Connective Industries

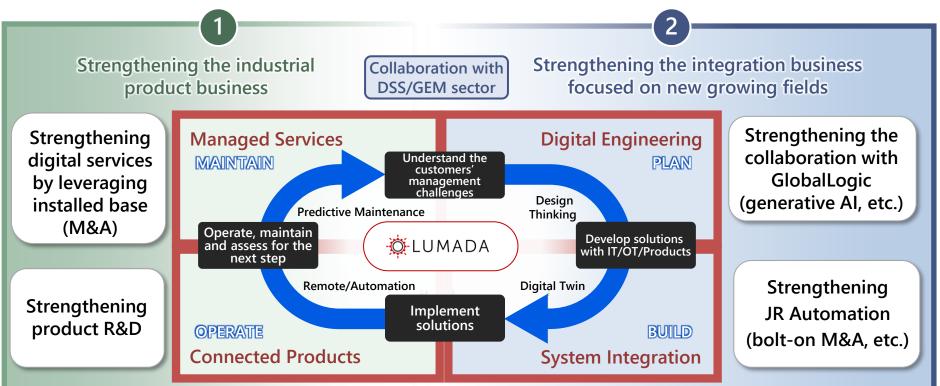


Seize the rapidly growing market in the industry field driven by DX and GX



2-2. Basic Policy for Obtaining Opportunities for Growth





In FY2024, focus investments on high-growth fields to put us on a new growth trajectory

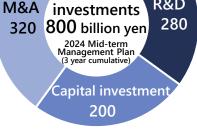
	Previous investments	Future major investments
M&A	 Robotic SI bolt-on (Flexware Innovation(MES/SCADA), MA micro automation (Robotic SI) Product enhancement (Telesis Technologies (marking), air compressor sales companies) 	 Manufacturing field expanding by generative Al and electrification
R&D	 Digital (Enhancement of CPS-related solutions in the FA and logistics fields) Wellbeing (Regenerative medicine, solutions for pharmaceutical product manufacturing, biotechnology, etc.) Green and recurring (Technology to improve efficiency, etc. for environmentally compatible products) 	 Healthcare field expanding by biotechnology Service field affected by power shortages and resource depletion
Capital inves- tment	 Development of co-creation sites New production facility for semiconductor manufacturing equipment in Kasado area 	
		Growth



Manufacturing line in the medical field by MA micro automation GmbH CPS : Cyber-Physical System



Render of the new production facility of Hitachi High-Tech in Kasado area



8

2-4. Expansion of Semiconductor Manufacturing Using Generative AI



 Visualization of conditions & predictive maintenance Target: Tool down time reduction by 80% than before (Data collection~analysis~countermeasures)

 Integrated data viewer & automatic cross-section measurement Target : Development time reduction by 50% than before (Investigation~etch~analysis~evaluation results)



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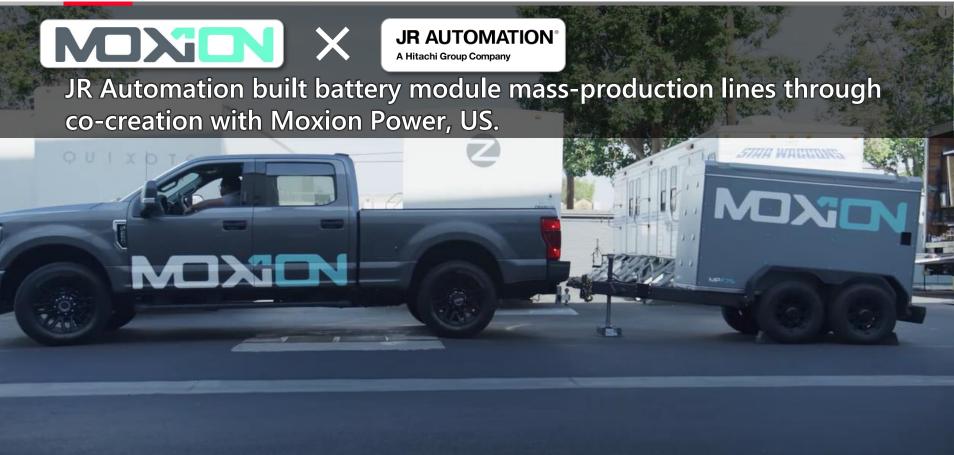
2-5. Expansion of Battery Manufacturing Driven by Electrification

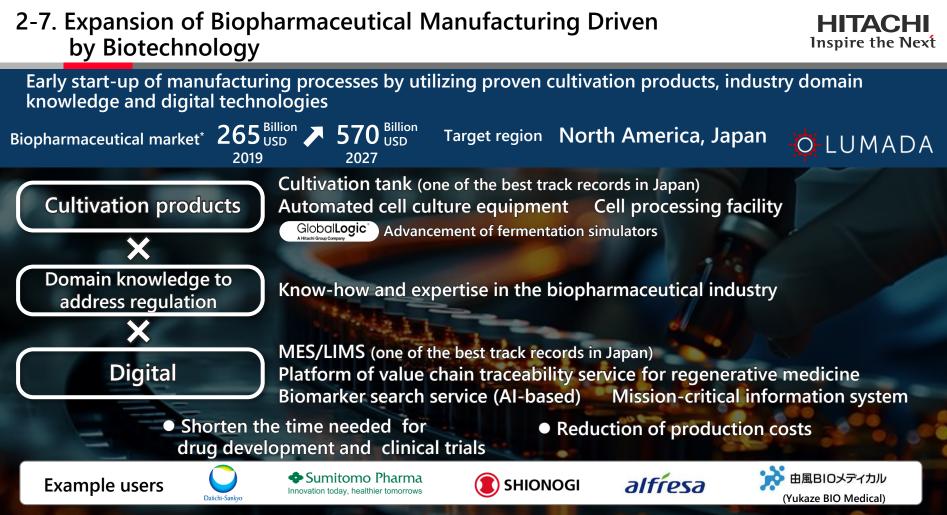




2-6. Example of Robotic SI for Battery Module Mass Production Lines in North America







LIMS: Laboratory Information Management System VC: Value Chain PF: Platform * Based on EvaluatePharma's "World Preview 2020", Mitsubishi UFJ Research and Consulting Co., Ltd. and some Hitachi research

2-8. Expansion of Molecular Diagnostics, Precision Medicine and Minimally Invasive Therapy Driven by Biotechnology

Advance cancer treatment using digital technologies based on strong diagnostics and therapy equipment.



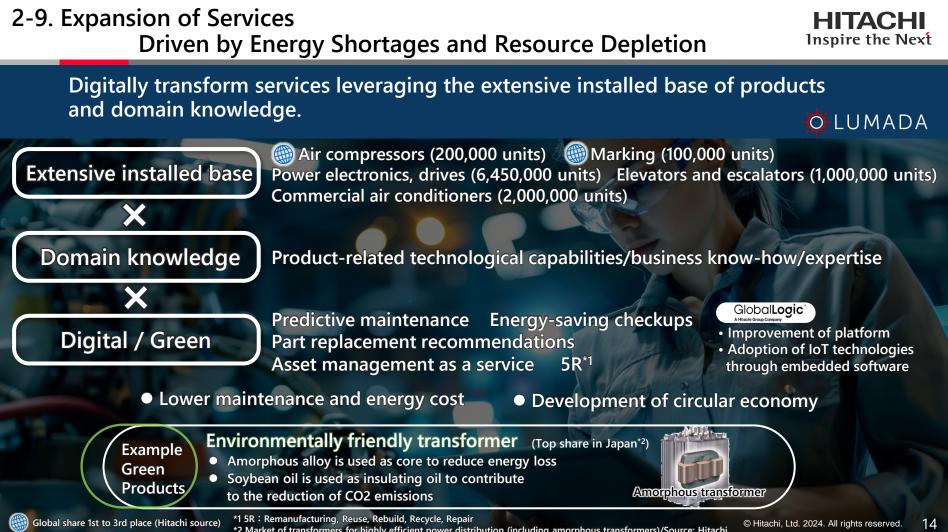
*1 Estimated by Hitachi from data from cutting-edge fields, specifically the in-vitro diagnostics market(clinical chemistry and immunochemistry, molecular diagnostics) and the radiation therapy market (minimally invasive therapy) *2 Including under construction sites

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13

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*2 Market of transformers for highly efficient power distribution (including amorphous transformers)/Source: Hitachi

2-10. Example of Smart and Green Building



NEW VALUE, REAL VALUE — N.R.E. Group



Building IoT solution was applied as the building OS for S Tower of "BLUE FRONT SHIBAURA," enabling efficient building operations and energy saving

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Contents

Progress and Results of the 2024 Mid-term Management Plan
 Obtaining New Opportunities for Growth

3. Reinforcement of Management Base

4. Conclusion

Appendix

3. Reinforcement of Management Base



Strengthen the product by expanding R&D investments

- Products aiming for top 3 global market share
 Compressors, power electronics, drives, commercial air conditioners
- Products aiming to be top in their niche market
 Measurement/analysis, particle therapy, cell culturing

Improve asset efficiency

- Improve efficiency and decarbonize manufacturing plants through DX and GX
 •CO2 Emissions reduction*: Over 70% (FY2024 Forecast)
- Utilize assets of equity method affiliates and consolidated subsidiaries

•Expand digital services by leveraging JV's customer footprint in air conditioning, elevators and escalators in China, overseas home appliances, etc.

• Simplify balance sheets

* Scope1,2 (Reduction rate of emissions from our works and offices), base year is FY2010

- Expand product operation and maintenance services
- Horizontal expansion of recurring business
 Applying proven digital operation and maintenance services for elevators and air conditioners to industrial products
- M&A

Overseas OT integration/after service

- Improve profitability by increasing business efficiency
 - Improve pricing
 - Strengthen the supply chain • Resilience and Greening
 - Utilize generative AI
 Improve software development and customer support productivity

Contents

Progress and Results of the 2024 Mid-term Management Plan
 Obtaining New Opportunities for Growth
 Reinforcement of Management Base
 Conclusion

Appendix

4. Conclusion

FY2021

FY2024

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Embark on a new growth trajectory by capturing the high growth market in
industrial fields brought about by DX and GXRevenues growth (CAGR) 7~9%Adj. EBITA ratio13~15%Lumada revenue ratio45%

Revenues growth (CAGR) 5%

Adj. EBITA ratio 11.5%

Lumada revenue ratio 35%

Hitachi Social Innovation is POWERING GOOD

Appendix 1 Global Management Structure

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Appendix 2 Business Activities of the Connective Industries Sector (1)



Urban Gr.

Building Systems BU

Provide smart building solutions and green x digital solutions based on connected building equipment such as elevators and escalators



Elevator

Control center



Building IoT solution

Hitachi Global Life Solutions, Inc.

Sale and provide engineering and maintenance services for home appliances, air conditioning equipment and other equipment and devices; and provide products and solutions utilizing digital technologies



Regenerative Medicine Innovation Center

Air conditioning and solutions business



Home appliances

Advanced Technology Gr.

Hitachi High-Tech Corporation

Provide solutions that resolve customers' issues by utilizing technological capabilities based on measurement and analysis and together with global sales in fields such as healthcare, semiconductors, and social and industrial infrastructure



Integrated clinical chemistry and immunoassay analyzer



High-precision electron beam Particle therapy system metrology system









Wafer defect inspection system

Electron microscope

Analytical system

Appendix 2 Business Activities of the Connective Industries Sector (2)



Industry Gr.

Industrial Digital BU

Provide digital solutions and robotic SI integrating IT and OT in the industry and distribution fields



Manufacturing solution



Robotic SI

Water & Environment BU

Provide a wide range of utility solutions, from social infrastructure facilities for water supply, sewerage, etc. to air conditioning and industrial plant facilities





Culture tank Culture simulator

Clean environment / ultra low dew point control

Hitachi Industrial Products, Ltd.

Provide highly dependable large industrial products globally in the industrial and social infrastructure fields



Centrifugal compressor



UPS



Electric drive system

Hitachi Industrial Equipment Systems Co., Ltd.

Provide a broad line-up of connected and connecting products supporting industrial and social infrastructure coupled with total support throughout the product life cycle







Marking system

Distribution transformer

Cautionary Statement

Certain statements found in this document may constitute "forward-looking statements" as defined in the U.S. Private Securities Litigation Reform Act of 1995. Such "forward-looking statements" reflect management's current views with respect to certain future events and financial performance and include any statement that does not directly relate to any historical or current fact. Words such as "anticipate," "believe," "expect," "estimate," "forecast," "intend," "plan," "project" and similar expressions which indicate future events and trends may identify "forward-looking statements." Such statements are based on currently available information and are subject to various risks and uncertainties that could cause actual results to differ materially from those projected or implied in the "forward-looking statements" and from historical rends. Certain "forward-looking statements" are based upon current assumptions of future events which may not prove to be accurate. Undue reliance should not be placed on "forward-looking statements," as such statements, seak only as of the date of this report.

Factors that could cause actual results to differ materially from those projected or implied in any "forward-looking statement" and from historical trends include, but are not limited to:

- economic conditions, including consumer spending and plant and equipment investment in Hitachi's major markets, as well as levels of demand in the major industrial sectors Hitachi serves;
- exchange rate fluctuations of the yen against other currencies in which Hitachi makes significant sales or in which Hitachi's assets and liabilities are denominated;
- uncertainty as to Hitachi's ability to access, or access on favorable terms, liquidity or long-term financing;
- uncertainty as to general market price levels for equity securities, declines in which may require Hitachi to write down equity securities that it holds;
- fluctuations in the price of raw materials including, without limitation, petroleum and other materials, such as copper, steel, aluminum, synthetic resins, rare metals and rare-earth minerals, or shortages of materials, parts and components;
- credit conditions of Hitachi's customers and suppliers;
- general socioeconomic and political conditions and the regulatory and trade environment of countries where Hitachi conducts business, particularly Japan, Asia, the United States and Europe, including, without limitation, direct or indirect restrictions by other nations on imports and differences in commercial and business customs including, without limitation, contract terms and conditions and labor relations;
- uncertainty as to Hitachi's ability to response to tightening of regulations to prevent climate change
- uncertainty as to Hitachi's ability to maintain the integrity of its information systems, as well as Hitachi's ability to protect its confidential information or that of its customers;
- uncertainty as to Hitachi's ability to attract and retain skilled personnel;
- uncertainty as to Hitachi's ability to continue to develop and market products that incorporate new technologies on a timely and cost-effective basis and to achieve market acceptance for such products;
- exacerbation of social and economic impacts of the spread of COVID-19;
- the possibility of disruption of Hitachi's operations by natural disasters such as earthquakes and tsunamis, the spread of infectious diseases, and geopolitical and social instability such as terrorism and conflict;
- estimates, fluctuations in cost and cancellation of long-term projects for which Hitachi uses the percentage-of-completion method to recognize revenue from sales;
- increased commoditization of and intensifying price competition for products;
- fluctuations in demand of products, etc. and industry capacity;
- uncertainty as to Hitachi's ability to implement measures to reduce the potential negative impact of fluctuations in demand of products, etc., exchange rates and/or price of raw materials or shortages of materials, parts and components;
- uncertainty as to the success of cost structure overhaul;
- uncertainty as to Hitachi's ability to achieve the anticipated benefits of its strategy to strengthen its Social Innovation Business;
- uncertainty as to the success of acquisitions of other companies, joint ventures and strategic alliances and the possibility of incurring related expenses;
- uncertainty as to the success of restructuring efforts to improve management efficiency by divesting or otherwise exiting underperforming businesses and to strengthen competitiveness;
- the potential for significant losses on Hitachi's investments in equity-method associates and joint ventures;
- uncertainty as to the outcome of litigation, regulatory investigations and other legal proceedings of which the Company, its subsidiaries or its equity-method associates and joint ventures have become or may become parties;
- the possibility of incurring expenses resulting from any defects in products or services of Hitachi;
- uncertainty as to Hitachi's access to, or ability to protect, certain intellectual property; and
- uncertainty as to the accuracy of key assumptions Hitachi uses to evaluate its employee benefit-related costs.

The factors listed above are not all-inclusive and are in addition to other factors contained elsewhere in this report and in other materials published by Hitachi.

* This document has been translated from the Japanese original for reference purposes only. In the event of any discrepancy between this translated document and the Japanese original, the original shall prevail.