

Industrial Products Business Unit Business Strategy

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Masakazu Aoki

Executive Vice President and Executive Officer CEO of Industrial Products Business Unit Hitachi, Ltd.

Chairman of the board, Hitachi Industrial Equipment Systems Co., Ltd.



Industrial Products Business Unit Business Strategy

- 1. Business Overview and Review of FY2016
- 2. Business Strategy
- 3. Results
- 4. Conclusion

1-1. Business Overview



Establishing "strong product-led business" to meet a wide range of industrial needs

Resources
Oil & Gas
O&G, mining, city gas

Life / security

Pharmaceuticals, food, agriculture, urban

Backbone industries
Backbone manufacturing industries, utilities

Social infrastructure Water & sewage, roads ports & airports

Industrial Products BU / Hitachi Industrial Equipment Systems
- Integrated operations based on mutual cooperation -

Business fields

Machinery

Drive / automation

Power substation / distribution

Products

Compressors, marking, pumps, fans

Motors / inverters, UPS, PCS, IoT controllers



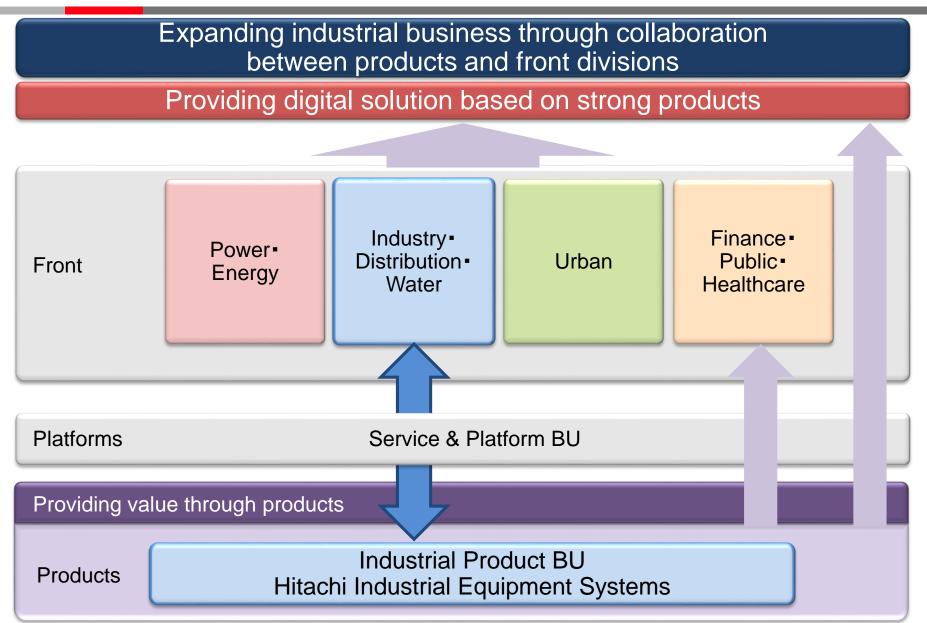


Transformers, power supply control



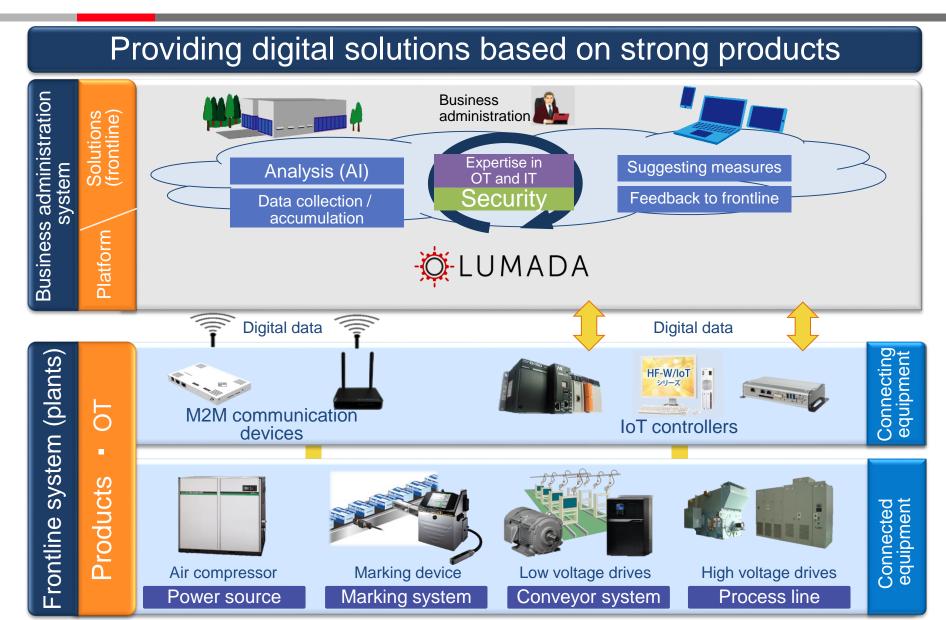
1-2. Positioning within the Hitachi Group(1)





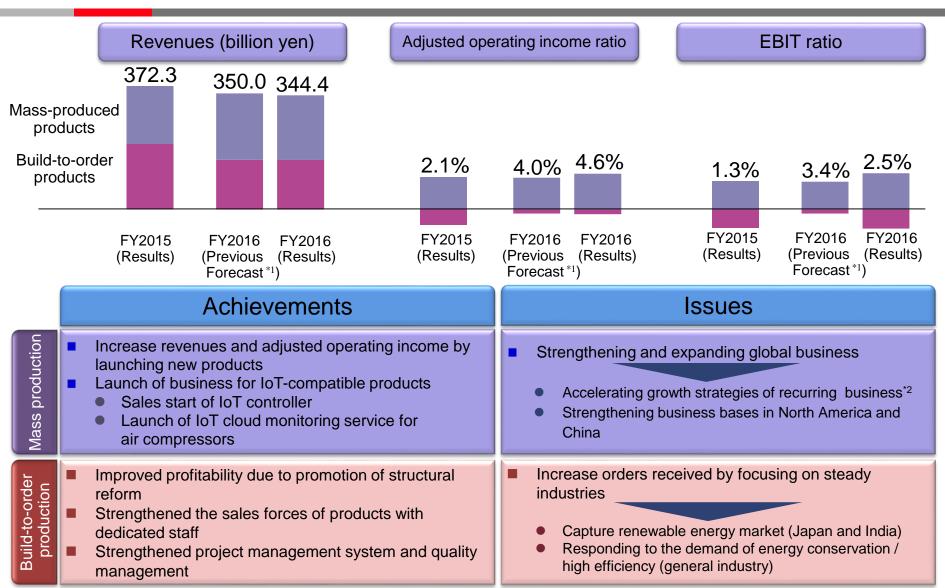
1-2. Positioning within the Hitachi Group(2)





1-3. Review of FY2016





^{*1} As of June 1, 2016

^{*2} Recurring business: Business with after-sales and reliable replacement market, such as replacement parts market EBIT: Earnings Before Interest and Taxes



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2-1. Target Market



Business category	Market scale in FY2018 *1 Approx. 5.4 trillion yen Key industries / areas	Trends in target markets
Air compressors	Global: Automotive, food, chemical	 Sustainable growth across general industry (automotive, food, etc.) Growing maintenance / service market due to development of IoT
Marking system	Global: Food, pharmaceutical, electronic components	 Growing food and pharmaceutical markets (traceability) Growing maintenance / service market due to development of IoT
Drive / Automation	Japan, Asia, and China: Automotive, machine tools, conveyance	 loT paving the way for optimized production Continuing growth in demand for energy-saving / high-efficiency products Growing demand for power-saving / automation
Power substation / distribution	Japan and Asia: 3% Public, etc.	Growing demand for renewal of infrastructure
Pumps / fans	Japan: Public, building-related industry	Leveling off of domestic public demand, healthy demand for general industry / buildings
Centrifugal compressors	Asia and EMEA: Oil & Gas, medium- and small- motor-driven compressors	Expected to be revitalized with the stabilization of the crude oil price

^{*1} Hitachi estimation

^{*2} CAGR(Compound Annual Growth Rate) from FY2016 to FY2018

2-2. Vision



Vision	Establishing "strong product-led businesses" to meet wide range of industrial needs
Basic policy	 Accelerate global growth strategy of recurring businesses Strengthen business to IoT market: Expand product and service businesses Resource concentration and strategic investment in growing businesses

	Priority businesses	Positioning	Policy	
al	Air compressors	(promoting recurring	Accelerating global expansion Growing European/US markets	
Global			Strengthening IoT compatibility Connected devices	
	Marking system		Expanding service businesses Lumada	
loT	Drive / automation	Switching to high value-added sectors	 Strengthening product capabilities for the IoT market Catering to high-efficiency / high-torque demand Connected devices Amorphous motors	
		Targeting Edge Computing	 Strengthening IoT controller capabilities Expanding M2M communication devices M2M communication devices 	
	Power substation / distribution	Stable growth	 Stepping up products for highericiency / energy-saving markets Stepping up products for the loT market Amorphous transformers Monitoring / security	

Accelerating global expansion of priority businesses

2-3. Business Mix

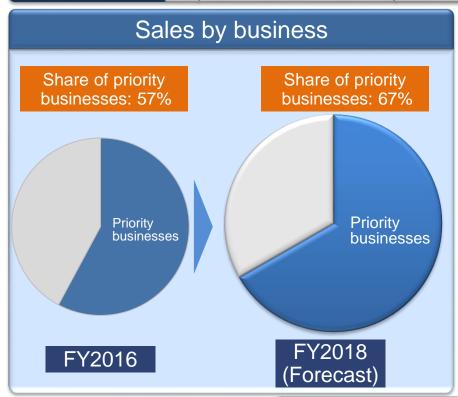


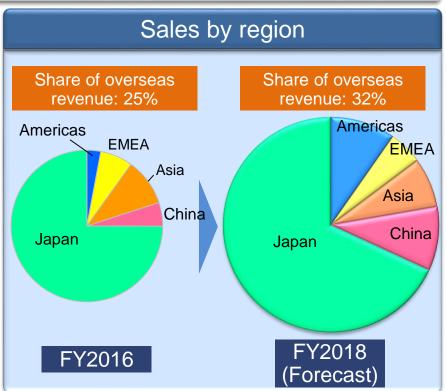
Accelerating global expansion of priority businesses

Enhancement policy

Accelerating growth by combining organic growth and alliances

 Expansion of priority businesses and focusing on priority regions (Americas and China) -





Intensive investment in recurring business (air compressors / marking system)

2-4. Growth Strategy for Priority Businesses



Features of recurring business (air compressors and marking system)

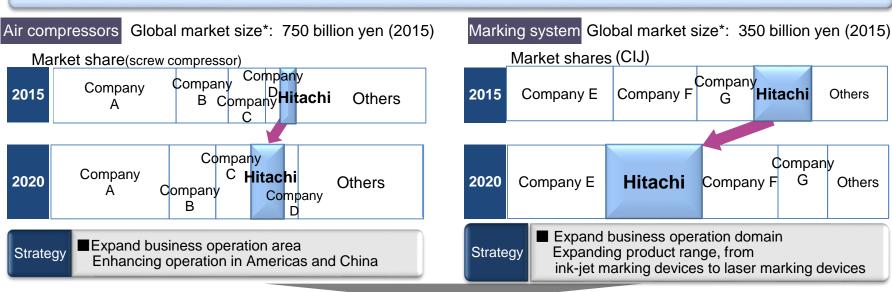
- Wide range of customers in various industrial fields
- Large after-sales market



- Low fluctuation of demand in response to economic environment
- Great chance of digital innovation

Target position

■ To be a global top player in the recurring business (air compressors and marking system)



Acquisition of customers, sales network and operating the industrial digital solution business based on products

2-5. Air Compressor Business (1)



Expanding business by accelerating global growth strategy

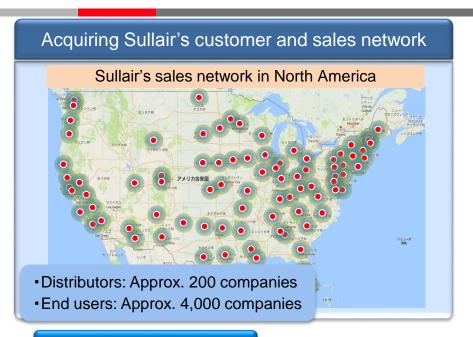
■ Entering the North American market through the acquisition of Sullair

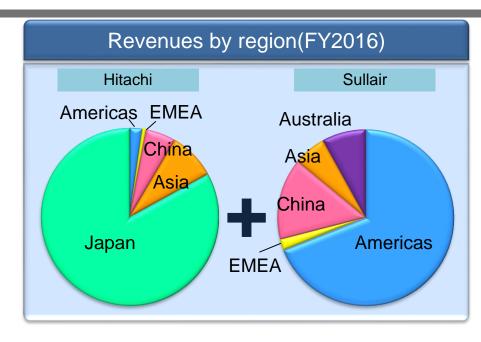
Overview of Sullair

Established	1965	Head office	Chicago (USA)		
Capital	\$377 million (as of Dece	Employees	Approx. 890		
Manufacturing plants	Michigan City (USA), Sh	China)			
Revenues	FY2016(Results): 43.2 billion yen, FY2017(Forecast): 45.8 billion yen				
Distributors	Approx. 200 companies in North America, approx. 50 companies in China				
Business activities	Stationary compressors **The compressor of the	Portable compressors	· -	Solutions ote monitoring)	After-sales market

2-5. Air Compressor Business (2)







Synergy with Sullair

	Sullair's strengths	Hitachi's strengths	
Areas	North America / China	Japan / Asia	
Industries	Construction, mining, chemicals, food	Automotive, food, pharmaceuticals, electronics	
Products/systems	Large stationary / portable compressors	Oil-free, inverter compressors, digital solutions	

FY2018 Target revenues of Air compressor business: over 100 billion yen

2-5. Air Compressor Business (3)



Example of digital service provided by Sullair in North America

Remote monitoring



Compressed air supply business (As a service)

Example of Dow Chemical Midland plant

Sullair supplies dry compressed air to the entire plant as a turnkey contractor (620 m³/min)









- Integration with Hitachi's industrial digital solutions
- Promote digitalization and sophistication of the business

Increasing the number of customers and creating competitive edge in the markets of North America and China

2-5. Air Compressor Business (4)



■ Developing product-led industrial digital solution business in North America

Digitization options for everything from onsite machinery and services to solutions

Industrial digital solutions

IoT Platform



Sullair's customers in North America: Approx. 4,000 companies

Covering a wide range of industries and leading global companies

Life sciences Food & beverages

Electronic components

Mobility

Construction & mining

Oil & Gas

Retail



Air compressors

Marking systems, etc.

Strengthening product range and providing related products and services



2-6. Marking System Business

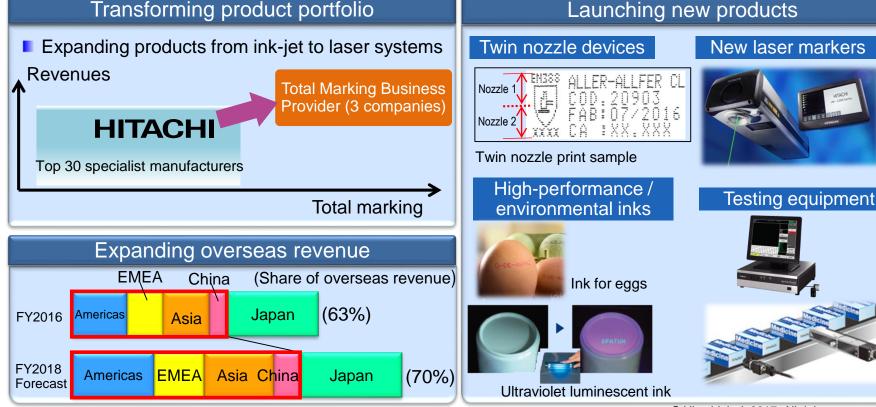


Expanding business domain and accelerating global growth strategy

■ Establishing total marking business (laser markers, testing equipment, etc.)

Enhancement policy

- Expand business domain by transforming product portfolio
- Increasing overseas revenues: Creating new customers by launching new products, and marketing through Sullair's sales network



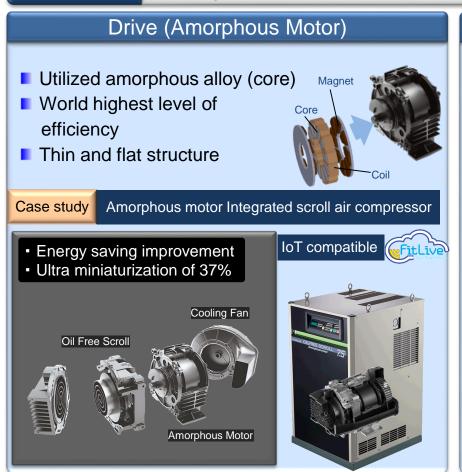
2-7. Stepping up IoT Market (1) Product



Creating value for customers by integrating OT & IT

Enhancement policy

- Providing products that enable simple integration of OT & IT
- Integrate OT and IT by open IoT controller

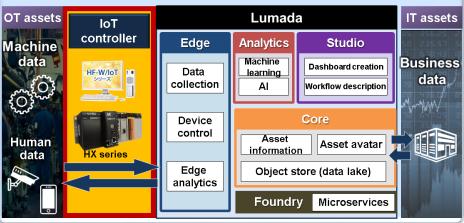


IoT Controller

- Edge computing compatible
- Upper layer controller that realize IoT solution (Open, Real-time)

Tackling social and management issues

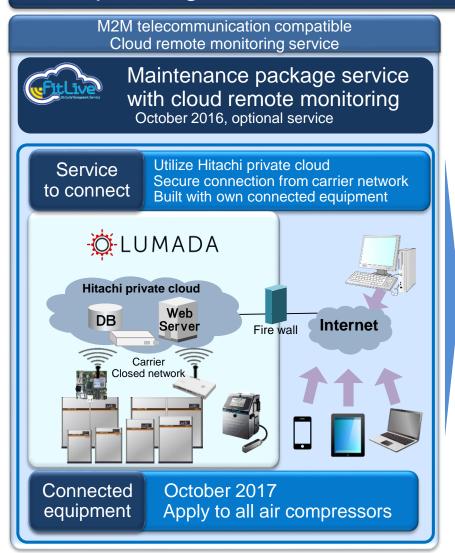
Collaborative creation of digital solutions with customers

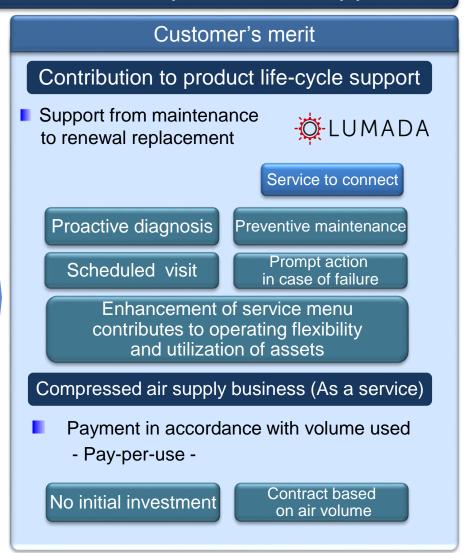


2-7. Stepping up IoT Market (2) Service



Expanding into maintenance services and operational support





2-8. Strengthening Cash Generation Capabilities and Cost Strategy



Implementing structural reform and improving business efficiency

SG&A

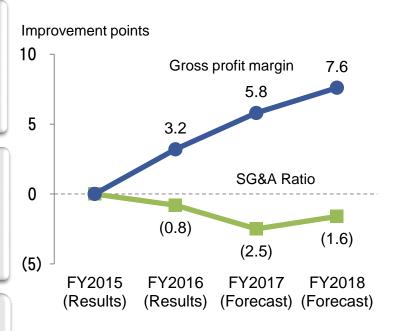
- Mass production
 - Improve productivity per person, reduce fixed costs
- Build-to-order production
 - Reduce fixed cost, strengthen project management system

Gross profit

- Mass production / Build-to-order production
 - Reduce direct material costs
 - Strengthen global procurement capabilities
 - Cost planning management at the time of development of new product

Cash creation

- Mass-production
 - Improving CCC through business process reform (inventory reduction, lead time reduction)
 - Creating synergy with Sullair
- Build-to-order production
 - Thorough management of project profit & loss (promoting cash flow monitoring)



	FY2016 (Results)	FY2017 (Forecast)	FY2018 (Forecast)
CCC	107.5 days	97.2 days	95.7 days

CCC: Cash Conversion Cycle

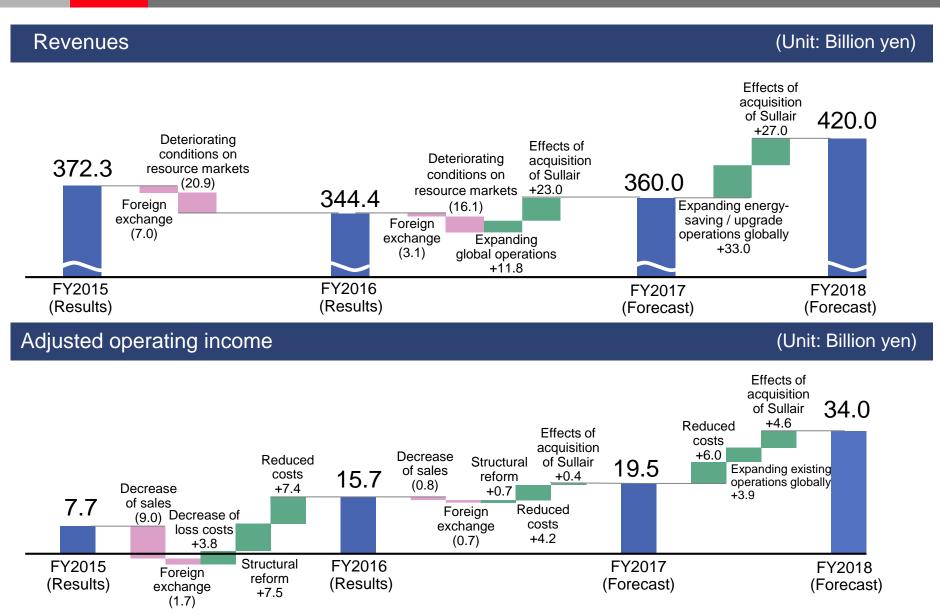


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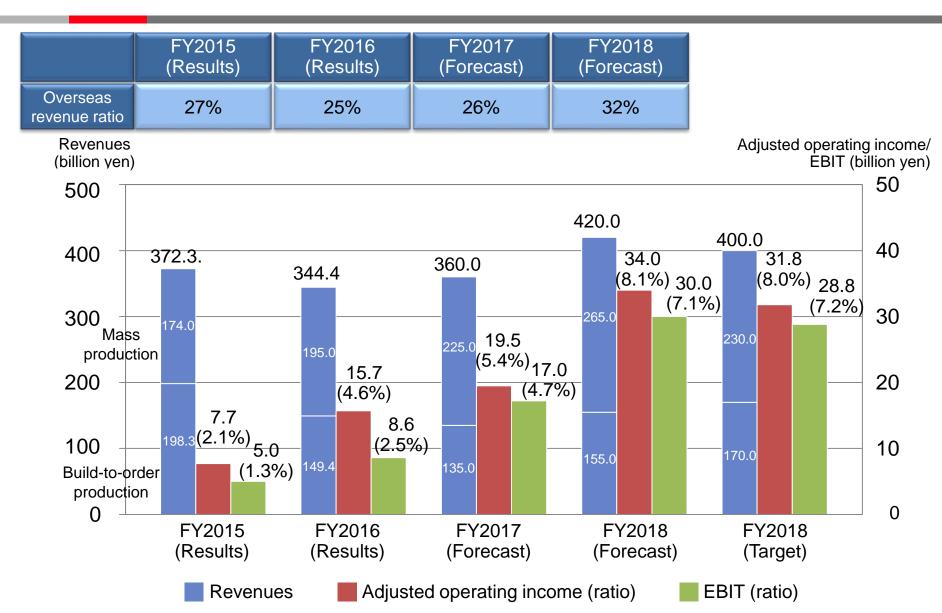
3-1. Results and forecast





3-2. Performance transition







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Toward FY2018

- Accelerate global growth strategy of recurring businesses
- Strengthen business to IoT market:
 Expand product and service businesses
- Resource concentration and strategic investment in growing business

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 trends. 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 speak only as of the date of this document.

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, particularly Japan, Asia, the United States and Europe, 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, particularly against the U.S. dollar and the euro;
- 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;
- the possibility of cost fluctuations during the lifetime of, or cancellation of, long-term contracts for which Hitachi uses the percentage-of-completion method to recognize revenue from sales;
- credit conditions of Hitachi's customers and suppliers;
- fluctuations in product demand and industry capacity;
- uncertainty as to Hitachi's ability to implement measures to reduce the potential negative impact of fluctuations in product demand, exchange rates and/or price of raw materials or shortages of materials, parts and components;
- 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;
- increased commoditization of and intensifying price competition for products:
- 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;
- 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 the success of cost structure overhaul;
- uncertainty as to Hitachi's ability to attract and retain skilled personnel;
- uncertainty as to Hitachi's access to, or ability to protect, certain intellectual property rights;
- 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;
- 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;
- 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; 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 in other materials published by Hitachi.

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