

Hitachi, Ltd.

HITACHI



Hitachi Headquarters in [Marunouchi](#)

Native name 株式会社日立製作所

Romanized name Kabushiki gaisha Hitachi Seisaku-sho
lit. "Share Company Hitachi
Manufacturing Plant"

Type [Public KK](#)

Traded as [TYO: 6501](#)
[Nikkei 225](#) component
[TOPIX](#) Core30 component

ISIN [JP3788600009](#) 🇯🇵

Industry [Conglomerate](#)

Founded 1910; 110 years ago

[Hitachi, Ibaraki](#), Japan

Founder [Namihei Odaira](#)

[Marunouchi, Chiyoda-ku, Tokyo](#)

Headquarters ,

Japan

Area served Worldwide

Key people

- [Hiroaki Nakanishi](#) (chairman)
- Toshiaki Higashihara (president and CEO)

Products

- [Electronics](#)
- [Industrial machinery](#)
- [Telecoms equipment](#)
- [Power plants](#)
- [Information system](#)
- [Materials](#)
- [Auto parts](#)
- [Power tools](#)
- [Elevator & Escalator](#)
- [Defense technology](#)
- [Heavy equipment](#)

Services

- [Consulting](#)
- [Financial services](#)

Revenue ▲ ¥9.480 trillion (2019)^[1]

[Operating income](#) ▼ ¥516.5 billion (2019)^[1]

[Net income](#) ▼ ¥321.0 billion (2019)^[1]

[Total assets](#) ▼ ¥9.626 trillion (2019)^[1]

[Total equity](#) ▲ ¥3.262 trillion (2019)^[1]

Number of employees 307,275 (2019)^[2]

Website www.hitachi.com

Hitachi, Ltd. (株式会社日立製作所, *Kabushiki gaisha Hitachi Seisaku-sho*, lit. "Share Company Hitachi Manufacturing Plant") (Japanese pronunciation: [\[çiˈtatei\]](#)) is a Japanese [multinational conglomerate](#) company headquartered in [Chiyoda, Tokyo](#), Japan. It is the parent company of the **Hitachi Group** (*Hitachi Gurūpu*) and formed part of the [Nissan zaibatsu](#) and later [DKB Group](#) of companies before DKB merged into the [Mizuho Financial Group](#). Hitachi operates eleven business segments, ranging from Information & Telecommunication Systems to Construction Machinery.^[3]^[better source needed]

Hitachi is listed on the [Tokyo Stock Exchange](#) and is a constituent of the [Nikkei 225](#) and [TOPIX](#) indices. It is ranked 38th in the 2012 Fortune Global 500 and 129th in the 2012 [Forbes Global 2000](#).^[4]



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History



Former Hitachi logo (1968–1992)

Hitachi was founded in 1910 by electrical engineer [Namihei Odaira](#) in [Ibaraki Prefecture](#).^{[5][6][7]} The company's first product was Japan's first 4-kilowatt (5 hp) [induction motor](#), initially developed for use in [copper mining](#).^{[8][*citation needed*]}

The company began as an in-house venture of [Fusanosuke Kuhara](#)'s mining company in [Hitachi, Ibaraki](#). Odaira moved headquarters to [Tokyo](#) in 1918.^[9] Odaira coined the company's [toponymic](#) name by superimposing two [kanji](#) characters: *hi* meaning “sun” and *tachi* meaning “rise.”^[10]

World War II had a significant impact on the company with many of its factories being destroyed by Allied bombing raids, and discord after the war. Founder Odaira was removed from the company.^[*citation needed*] Hitachi's reconstruction efforts after the war were hindered by a labor strike in 1950. The company saw an increase in business during the [Korean War](#) due to defense contracts offered by the American military.^[*citation needed*] Meanwhile, Hitachi went public in 1949.^[11]

Hitachi America, Ltd. was established in 1959.^[12] Hitachi Europe, Ltd. was established in 1982.^[13]

From 2006 to 2010, Hitachi lost US\$12.5 billion. This prompted Hitachi to restructure and sell a number of divisions and businesses, a process that is expected to finish in 2021.^{[14][15][16][17][18]}

In March 2011, Hitachi agreed to sell its [hard disk drive](#) subsidiary, [HGST](#), to [Western Digital](#) for a combination of cash and shares worth US\$4.3 billion.^[19] Due to concerns of a duopoly of WD and [Seagate Technology](#) by the EU Commission and the [Federal Trade Commission](#), Hitachi's 3.5" HDD division was sold to [Toshiba](#). The transaction was completed in March 2012.^[20]

In January 2012, Hitachi announced it would stop producing televisions in Japan.^[21] In September 2012, Hitachi announced that it had invented a long-term data solution out of quartz

glass that was capable of preserving information for millions of years.^[22] In October 2012, Hitachi agreed to acquire the United Kingdom-based nuclear energy company [Horizon Nuclear Power](#), which plans to construct up to six nuclear power plants in the UK, from [E.ON](#) and [RWE](#) for £700 million.^{[23][24]} In November 2012, Hitachi and Mitsubishi Heavy Industries agreed to merge their thermal power generation businesses into a joint venture to be owned 65% by Mitsubishi Heavy Industries and 35% by Hitachi.^{[25][26]} The joint venture began operations in February 2014.^[27]

In October 2015, Hitachi completed a deal with [Johnson Controls](#) to form a joint-venture that would takeover Hitachi's HVAC business. Hitachi maintained a 40% stake of the resulting company, Johnson Controls-Hitachi Air Conditioning.^[28] In May 2016, Hitachi announced it was investing \$2.8 billion into its [IoT](#) interests.^[29]

In February 2017, Hitachi and Honda announced a partnership to develop, produce and sell motors for electric vehicles.^[30] On March 14, 2018, Zoomdata announced its partnership with Hitachi INS Software to help develop big data analytics market in Japan.^[31] In December 2018, Hitachi Ltd. announced it would take over ABB Ltd.'s power grid division for \$6.4 billion.^[32] Also in 2017, private equity firm KKR bought Hitachi Kokusai's (itself a subsidiary of Hitachi) semiconductor equipment division, becoming Kokusai Electric. Kokusai Electric would later be bought by Applied Materials in 2019, for US\$2.2 billion.^{[33][34][35][36]}

In 2019, Hitachi sold Hitachi Chemical to [Showa Denko](#) and its medical imaging business to [Fujifilm](#) for a total of US\$6.38 billion.^{[14][37][38][39][40][41]} In October 2019, [Honda](#) was reported to be in talks with Hitachi to merge the two companies' car parts businesses, creating a components supplier with almost \$17 billion in annual sales.^[42]

Products and services



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Aircraft

(Pre-war)

- [Hitachi T.2](#)
- [Hitachi TR.2](#)

Aircraft engines

- [Hitachi Hatsukaze](#)

Automotive systems



Hitachi Automotive Systems Americas Offices, [Farmington Hills, Michigan](#)

- Car Information Systems
- Drive Control
- Electric Powertrain Systems
- Engine Management Systems

Components and devices

- Batteries
- Hard disk drives (Separated division for this product line as Hitachi Global Storage Technologies, then HGST was purchased by Western Digital)
- Information Storage Media
- LCDs

Construction machinery



A Hitachi hydraulic excavator in use

- Hydraulic Excavators
- Forestry Equipment
- Mechanical & Hydraulic Cranes
- Mining Dump Trucks
- Crawler Dump trucks
- Wheel Loaders

Defense systems

- [Military vehicles](#)
- [Vetronics](#)

- [Crisis management](#)
- [C4I](#) systems
- Satellite image processing systems
- Social Infrastructure [security](#) business (in coordination with Hitachi's Infrastructure Systems Group)^[43]
- [Electric propulsion technology](#)
- [Electro-mechanical](#) systems (including some [robotics](#) research & development)
- Advanced Combat Infantry Equipment System [ACIES] ([JSDF](#)) – Primary contractor



• [JGSDF](#) Type 87 Artillery Support Vehicle



• [JGSDF](#) Type 92 Mine Clearance Vehicle



• [JGSDF](#) Type 96 120 mm self-propelled mortar



[JGSDF](#) Type 99 Artillery Support Vehicle

Digital media and consumer products



2008 Hitachi air conditioning outdoor unit



The [Magic Wand](#) vibrating massager

- [Air conditioning equipment](#)

- [Hitachi Magic Wand](#)^{[44][45]}
- [LCD projectors](#)
- Professional [DLP](#) Projectors
- [Optical disc drives](#) (Joint venture with optical disc drive division of LG as [Hitachi-LG Data Storage](#))
- [Plasma](#) and [LCD Televisions](#)
- [Refrigerators](#)
- [Room air conditioners](#)
- [Washing machines](#)

Note: A new product from Hitachi called *Memory glass* was to be introduced in 2015. It is a high density information storage medium utilizing laser etched/readable [Fused quartz](#).^[46]

Electronic systems and equipment

- [LCDs](#)
- [Medical electronics](#) equipment
- [Power tools](#)
- Test and measurement equipment

Financial services

- [Leasing](#)
- Loan guarantees
- Invoice finance (via the Hitachi Capital arm of the business)
- Consumer finance (personal and retail)
- Business finance

Advanced materials

- Circuit boards and materials
- Copper products
- High grade casting components and materials
- Magnetic materials and components
- Semiconductor and display related materials
- Specialty steels
- Wires and cables

Information and telecommunication systems



The Hitachi factory in [Toyokawa](#), Japan

- [ATMs](#)
- [Disk array](#) subsystems
- [Mainframe computers](#)
- [Outsourcing services](#)
- [Servers](#)
- [Software](#)
- [Telecommunications equipment](#)

Power systems

See also: [GE Hitachi Nuclear Energy](#)

- [Nuclear, thermal](#) and [hydroelectric power plants](#)
- [Wind Power Generation Systems](#)
- [Power Grids](#)

Following the [Fukushima Daiichi nuclear disaster](#) in 2011 and the extended temporary closure of most Japanese nuclear plants, Hitachi's nuclear business became unprofitable and in 2016 Hitachi CEO Toshiaki Higashihara argued Japan should consider a merger of the various competing nuclear businesses.^[47] Hitachi is taking for 2016 an estimated ¥65 billion write-off in value of a [SILEX](#) technology laser [uranium enrichment](#) joint venture with [General Electric](#).^{[48][49]} In 2019 Hitachi suspended the [ABWR](#) development by its British subsidiary [Horizon Nuclear Power](#) as it did not provide an adequate "economic rationality as a private enterprise" to proceed.^[50]

Social infrastructure and industrial systems



Hitachi's G1TOWER, currently the world's tallest elevator research tower,^[51] located at [Hitachinaka, Ibaraki](#)

- [Elevators](#)
- [Escalators](#)
- Industrial machinery and plants
- Railway vehicles and systems
 - [Hitachi A-train](#)

Other

- Logistics: [Hitachi Transport System](#) Ltd, one of Japan's five large global logistics services providers.
- Property management

Subsidiaries and divisions



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Hitachi Communication Technologies America

Hitachi Communication Technologies America provides communications products and services for the telecommunications, cable TV, utility, enterprise, industrial and other markets.^[52]

Hitachi Consulting

Main article: [Hitachi Consulting](#)

Hitachi Consulting is an international management and technology consulting firm with headquarters in Dallas, Texas. It was founded in 2000 .

Hitachi Vantara

Main article: [Hitachi Data Systems](#)

Hitachi Vantara is a wholly owned subsidiary of Hitachi which provides hardware, software and services to help companies manage their digital data. Its flagship products are the Virtual Storage Platform (for enterprise storage), Hitachi Unified Storage VM for large sized companies, Hitachi Unified Storage for small and mid-sized companies, Hitachi Content Platform (archiving and cloud architecture), Hitachi Command Suite (for storage management), Hitachi TrueCopy and Hitachi Universal Replicator (for remote replication), and the Hitachi NAS Platform.

Since September 19, 2017, Hitachi Data Systems (HDS) has become part of Hitachi Vantara, a new company that unifies the operations of Pentaho, Hitachi Data Systems and Hitachi Insight Group. The company name "Hitachi Data Systems" (HDS) and its logo is no longer used in the market.

Hitachi Electronics

Hitachi manufactures many types of electronic products including TVs, Camcorders, Projectors and Recording Media under its own brand name.

Hitachi Defense Systems

Hitachi provides various defense related/derived products & services.

Hitachi Metal

Among other things, Hitachi Metals supplies materials for aircraft engines and fuselage components (e.g. landing gear), along with finished components for same and other aerospace applications. It also provides materials, components and tools for the automotive and electronics industries.

Hitachi Koki

Hitachi Koki manufactures many types of tools including chainsaws, drills, woodworking power tools. Some are branded Koki Tanaka. On March 1, 2016, Hitachi Koki acquired German power tools manufacturer [Metabo](#) from [Chequers Capital](#).

Hitachi Plant Technologies

Hitachi Plant Technologies, Ltd., along with its subsidiaries, engages in the design, development, manufacture, sale, servicing, and execution of social and industrial infrastructure machinery, [mechatronics](#), air-conditioning systems, industrial plants, and energy plant equipment in Asia and internationally.

Hitachi Rail



A [British Rail Class 395](#) train produced by Hitachi

Hitachi Rail is the [rolling stock](#) manufacturing division of Hitachi.^[53]

The rail division delivered 120 CQ311 series railcars to [MARTA](#) from 1984 to 1988.

Hitachi markets a general-purpose train known as the "[A-train](#)", which uses [double-skin](#), [friction-stir-welded aluminium](#) body construction.^[54] Hitachi's products have included the designing and manufacturing of many [Shinkansen](#) models, including the [N700 Series Shinkansen](#).^[54]

On February 24, 2015, Hitachi agreed to purchase the Italian rolling stock manufacturer [AnsaldoBreda](#) and acquire [Finmeccanica](#)'s stake in [Ansaldo STS](#), the [railway signaling](#) division of [Finmeccanica](#)^[55] The purchase was completed later that year,^[56] at which point the company was renamed as [Hitachi Rail Italy](#). Since then, Hitachi has obtained a majority stake in Ansaldo STS.^[57]

[Hitachi Monorail](#) builds monorail systems with 10 built to date.

Hitachi Solutions America

Hitachi Solutions America is a consulting firm and systems integrator focusing primarily on [Microsoft Dynamics](#).^[citation needed] Hitachi Solutions America acquired [Ignify](#), a Microsoft Dynamics Solution provider, in December 2015.^[58]

Hitachi Works

Hitachi Works consists of three factories: Kaigan Works, Yamate Works, and Rinkai Works. Yamate Works, the oldest of the three factories, was founded in 1910 by [Namihei Odaira](#) as an

electrical equipment repair and manufacturing facility. This facility was named Hitachi, after the Hitachi Mine near [Hitachi, Ibaraki](#).^[*citation needed*]

[Spin-off](#) entities from Hitachi Works include [Hitachi Cable](#) (1956) and [Hitachi Canadian Industries](#) (1988).^[*citation needed*]

Corporate social responsibility

In August 2011, it was announced that Hitachi would donate an electron microscope to each of five universities in Indonesia (the [University of North Sumatra](#) in [Medan](#), the [Indonesian Christian University](#) in [Jakarta](#), [Padjadjaran University](#) in [Bandung](#), [General Soedirman University](#) in [Purwokerto](#) and [Muhammadiyah University](#) in [Malang](#)).^[59]

See also

- Membership of [ATM Industry Association \(ATMIA\)](#)
-  [Companies portal](#)
- [GE Hitachi Nuclear Energy](#)

Hitachi Group([ja:日立グループ](#))