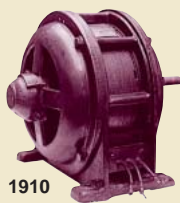


- 1910**
- Founded by Namihei Odaira as an electrical repair shop
 - Succeeded in first domestic manufacture of three 5-HP (3.6775-kW) electric motors as the company's first products



1910

- 1915**
- Completed 10,000-HP (7,355-kW) water turbine

- 1924**
- Completed the first large-scale DC electric locomotives to be manufactured in Japan



1924

- 1931**
- Completed 10,000-A hydraulic electrolytic cell

- 1932**
- Completed Hitachi's first electric refrigerator

- 1943**
- Completed 85,000-kW Francis water turbine and 70,000-kVA alternating current generator

- 1952**
- Completed 21,000-kW two-stage pump-turbine

- 1954**
- Completed the first large-scale cold strip mill to be produced in Japan

- 1955**
- Completed 100,000-kW Francis water turbine and 93,000-kVA alternating current generator

- 1958**
- Electron microscope awarded the grand prix at the World Exposition in Brussels



1958

- 1959**
- Completed electronic computers based on transistors
 - Hitachi America, Ltd. established

- 1961**
- Completed experimental nuclear reactor

- 1964**
- Completed the first cars for the Shinkansen (bullet train)
 - Completed monorail system running between Haneda Airport and Hamamatsu-cho, Tokyo

- 1968**
- Developed hybrid LSI
 - Developed 300-m/min elevators for high-rise buildings

- 1969**
- Completed on-line banking system
 - Developed and mass-produced all-transistor color televisions



1970

- 1970**
- Developed computer-aided traffic control system for the Shinkansen (bullet train)

- 1973**
- Developed new-type image pickup tube

- 1974**
- Commercial operation began at Japan's first 460,000-kW nuclear power station
 - Released the first series of general-purpose large-scale computers



1974

- 1975**
- Hitachi High Crown Control Mill developed

- 1978**
- Completed world's first field emission electron microscope with record-high resolution
 - Experimental color camera with solid-state miniature image device developed

- 1982**
- Hitachi Europe Ltd. established
 - Succeeded in world's first micro-level observation of magnetic field by the use of electron beam holography
 - Listed on New York Stock Exchange

- 1984**
- Started mass production of 256-kbit DRAMs

- 1985**
- Completed the "JT-60" large-scale Tokamak device for break-even plasma experiments
 - The Hitachi Foundation was established to promote cultural, educational and scientific exchanges between Japan and the U.S.

- 1988**
- Hitachi Asia Pte. Ltd. established

- 1989**
- Developed world's fastest superconductive computer
 - Developed superconductive MR imaging equipment
 - Established two R&D centers in the U.S. and two laboratories in Europe

- 1990**
- Released very large-scale computer with the world's fastest processing speed at that time

- 1991**
- Developed inverter-controlled electric locomotive with the world's largest control capacity
 - Developed highly sensitive image pickup tubes



1991

- 1993**
- Developed Shinkansen (bullet train) with new maximum service speed of 270 km/h

- 1994**
- Hitachi (China), Ltd. established
 - Developed the original 32-bit RISC processor SuperH family

- 1995**
- Developed Super TFT LCD module featuring ultra-wide viewing angles
 - Developed 10-Gbit/s fiber-optic transmission equipment



1995

- 1998**
- Developed 320-Gbit/s optical data transmission system
 - Developed the experimental 128-Mbit single-electron memory



1998

1999 • Established dependable autonomous hard real-time management technology

2000 • Developed 52.5-Gbit/in² perpendicular magnetic recording

2001 • Developed Notary and Certificate Authority systems for e-government
• Developed mobile web-gateway system
• Developed application processor for mobile phones

2002 • Developed world's first silent water-cooling notebook PC
• Developed world's smallest 0.3-mm² noncontact IC chip
• Developed compact DNA analysis system genetic for SNP typing



2002

2003 • Development and commercialization of a compact, highly accurate, high-speed finger vein authentication system
• Successful measurement of infant brain functions using optical topography



2003

• Dr. Hideaki Koizumi, a Hitachi Fellow, presented a lecture at the 400th Anniversary of the Foundation of the Pontifical Academy of Sciences, Vatican City

2004 • Developed world's smallest sensor-net terminal with a battery life of over one year
• Developed high-temperature lead-free solder paste

2005 • Explosives Trace Detection System received U.S. TSA certification
• Exhibited two-wheel mobile robot "EMIEW" capable of direct dialogue, at the 2005 World Exposition Aichi, Japan



2005

FINANCIAL HIGHLIGHTS

(consolidated)

Net Sales		Millions of yen	
Year	2004	2005	2006
	8,632,450	9,027,043	9,464,801

Capital Investment		Millions of yen	
Year	2004	2005	2006
	816,547	959,593	954,706

Net Income		Millions of yen	
Year	2004	2005	2006
	15,876	51,496	37,320

Overseas Sales		Millions of yen	
Year	2004	2005	2006
	2,977,594	3,277,440	3,639,645

Years ended March

TRADEMARKS

name	explanation	page
SMARTEAM	SMARTEAM is a PLM solution of Dassault Systems.	10
Oracle	Oracle is a registered trademark of Oracle Corporation.	13
Microsoft SQL server	Microsoft SQL server is a product name of Microsoft Corp.	13
Microsoft	Microsoft is a registered trademark of Microsoft Corp. in the U.S. and other countries.	13
Itanium	Itanium is a registered trademark of Intel Corporation in the U.S.	14
Xeon	Xeon is a registered trademark of Intel Corporation in the U.S.	14
UNIX	UNIX is a registered trademark in the United States and other countries, licensed exclusively through X/Open Company Limited.	14
POWER	POWER is a trademark of the International Business Machines Corp.	16
AIX	AIX is a registered trademark of International Business Machines Corp.	16
POWER5+	POWER5+ is a trademark of International Business Machines Corp.	16
Sybase	Sybase is a trademark of Sybase, Inc. or its subsidiaries.	18
Microsoft Exchange Server	Microsoft Exchange Server is a registered trademark of Microsoft Corp. in the U.S. and other countries.	18
Windows	Windows is a registered trademark of Microsoft Corporation in the U.S. and other countries.	18
NetApp	NetApp is a registered trademark of Network Appliance, Inc.	18
SXGA+	SXGA+ is a registered trademark of the International Business Machines Corp. in the U.S.	20
Ethernet	Ethernet is a registered trademark of Xerox Corp.	21
Java	Java and all Java-based trademarks and logos are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and other countries.	32
Pentium	Pentium is a registered trademark of Intel Corporation.	37
Dual Flow Path Shock Absorber	Dual Flow Path Shock Absorber is a registered trademark of Nissan Motor Co., Ltd.	50
Bluetooth	Bluetooth is a trademark of Bluetooth SIG, Inc.	50
Linux	Linux is a trademark of Linus Torvalds.	92

• Other company and product names in this booklet may be trademarks or registered trademarks of their respective owners.

ISSN 0018-277X

HITACHI TECHNOLOGY is published annually by Hitachi, Ltd. as a special issue of the bimonthly magazine HITACHI REVIEW that is carried on the Web.

Visit our site at <http://www.hitachi.com/rev/>

Address correspondence to : The Editor, HITACHI REVIEW, Advertising Dept., Corporate Communications Div., Hitachi, Ltd.

Akihabara Daibiru Building, 18-13, Soto-Kanda 1-chome, Chiyoda-ku, Tokyo, 101-8608 Japan

Editor-in-Chief : Atsushi Ogiwara

©2006 Hitachi, Ltd.

Date of Issue: August, 2006

Printed in Japan by Hitachi Intermedix Co., Ltd.

XX-E317