

Technology Innovation from Fujitsu Laboratories

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Fujitsu at a Glance



Headquarters: Tokyo, Japan

President: Masami Yamamoto

Established: June 1935

Net Sales: 4,528.4 billion yen (US\$54,559 million)

■ Net Income: 55.0 billion yen (US\$663 million)

■ R&D Expenditure: 236.2 billion yen (As 5.2% of Sales)

■ Employees: 172,000 worldwide

Principal Business Areas:

Technology Solutions, Ubiquitous Solutions,

Device Solutions

Stock Exchange Listings:

Tokyo (Code: 6702), Osaka, Nagoya, London

Note:

All yen figures have been converted to U.S. dollars for convenience only at a uniform rate of US\$1 = 83 yen, the approximate closing rate on March 31, 2011.

FUJITSU's Business Composition



Software

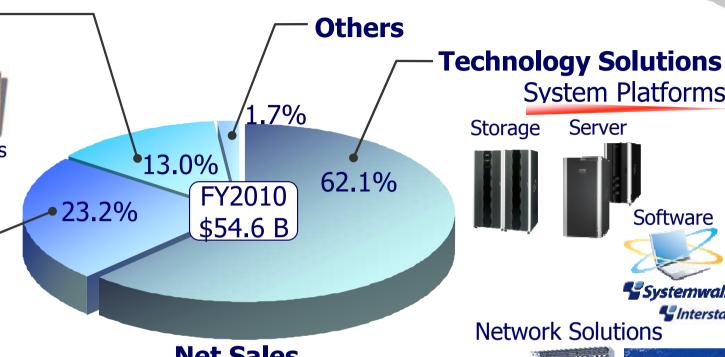
Systemwalker Interstage

System Platforms

Server

Storage





Net Sales

FY 2010 Market Share (IT Services)

Rank	Japan	World Stage
#1	Fujitsu	IBM
#2	NTT-D	HP
#3	NEC	Fujitsu
#4	Hitachi	Accenture
#5	IBM	CSC

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Optical Transport Services System Integration Consulting

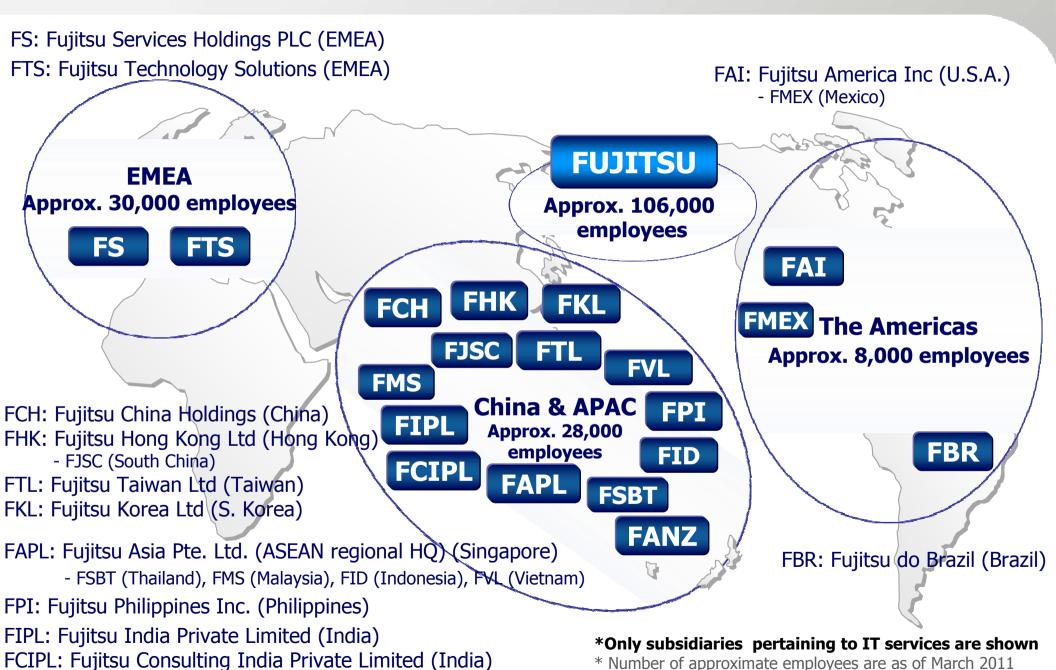
Network Solutions

FLASHWAVE

Datacenters

Global Subsidiaries: IT Services

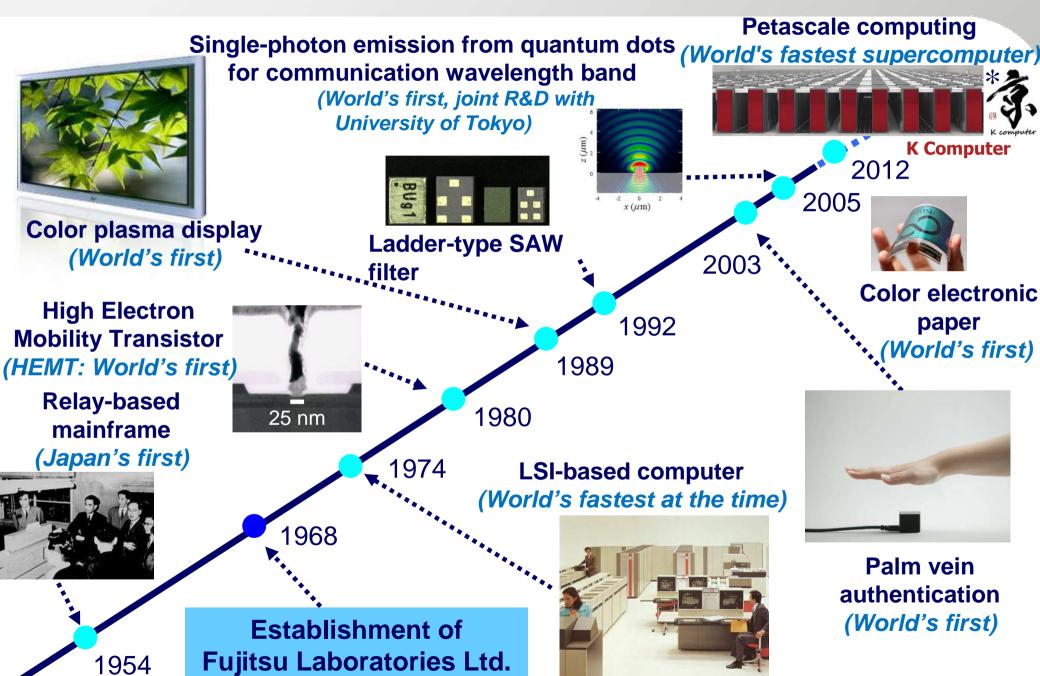




FANZ: Fujitsu Australia and New Zealand (Australia & New Zealand)

FUJITSU's Innovations





*"京 (K)" is the cognomen for the next-generation supercomputer named by RIKEN.

Fujitsu Laboratories Ltd.: Overview



Capital: 5 billion JPY

R&D Budget: Approximately 35 billion JPY/420M USD annually

as 15% of Fujitsu R&D Expenditure

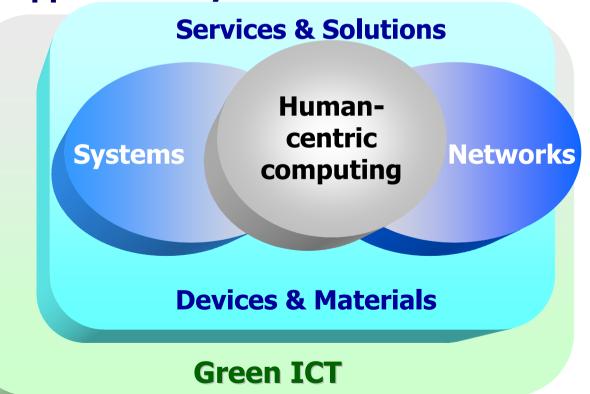
Total Employees:

Japan: Approximately 1,300

Global R&D sites (U.S., Asia excluding Japan: China & Singapore, Europe):

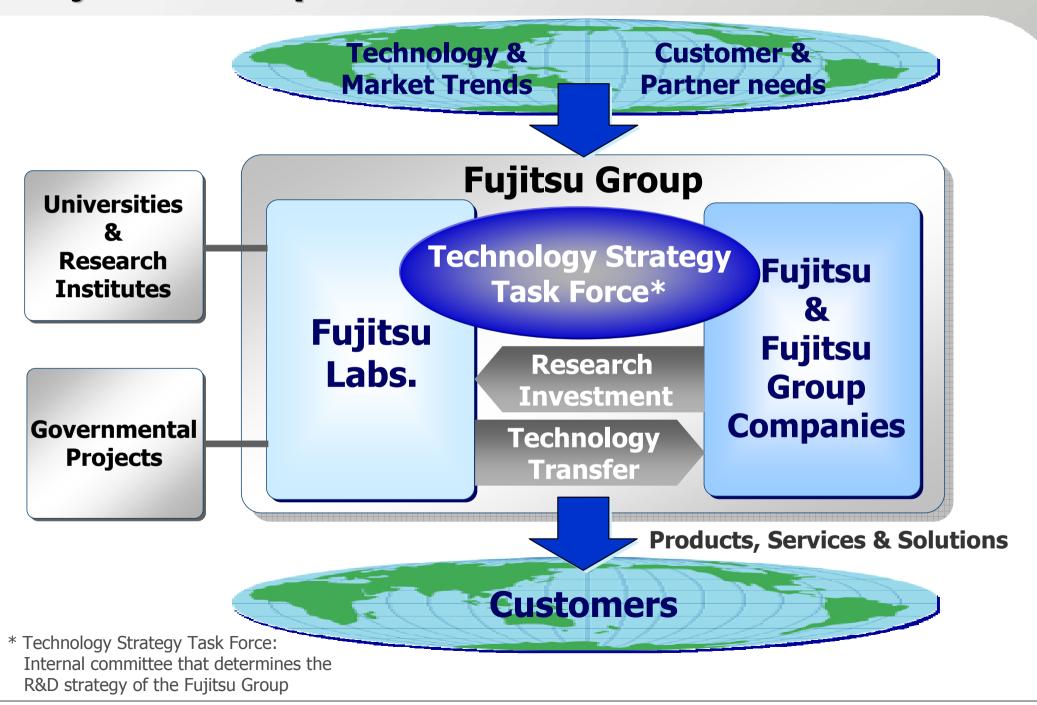
Approximately 200

Research Fields



Fujitsu Group's R&D Scheme





Strategic R&D Framework



Human-centric Computing

Intelligent Society

Cloud Fusion

Next-Generation Green Datacenter

Manufacturing Innovation

Core
Strategic
R&D

Business-Strategic R&D

Exploratory R&D

Short Term Long Term

 Core research projects focused on important themes for future technology of the Fujitsu Group

> **Medium to long-term technology development**

 Business-driven themes based on requirements from the business units

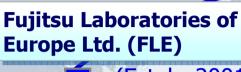
Short to Medium-term technology development

 New research areas for future emerging technologies

Long-term technology development

Open Innovation & Global Reach





(Estab. 2001) London

Global Business/ R&D Partners Fujitsu Research and Development Center Co., Ltd. (FRDC) - China

(Estab. 1998)

Beijing **E**

Suzhou Tokyo Shanghai

Singapore (Estab. 2010)

Fujitsu Laboratories Ltd.

(Estab. 1968)

Fujitsu Laboratories of America, Inc. (FLA)

Sunnyvale (Estab. 1993)

Texas

Fujitsu Global Affiliates

Technology Marketing

Research Institutes

Global Human
Resource Development

Universities

Fraunhofer





China - Singapore
Suzhou Industrial Park
www.sipec.gov.cn













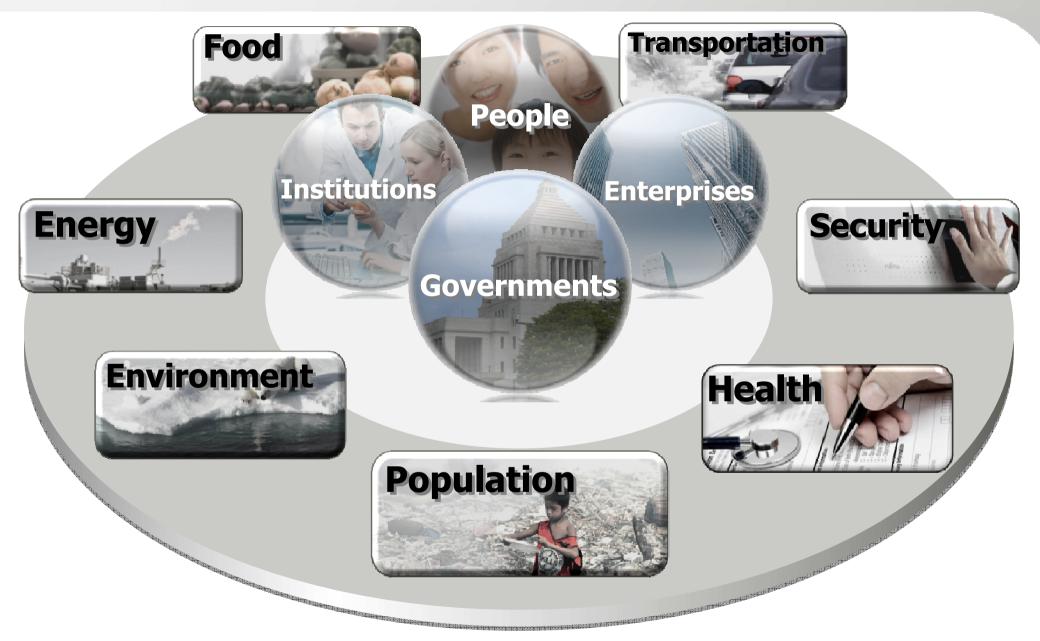






What is happening in the world?





Increasingly complex societal issues

What is happening in Japan?



Great East Japan Earthquake & Tsunami



Nuclear power generation

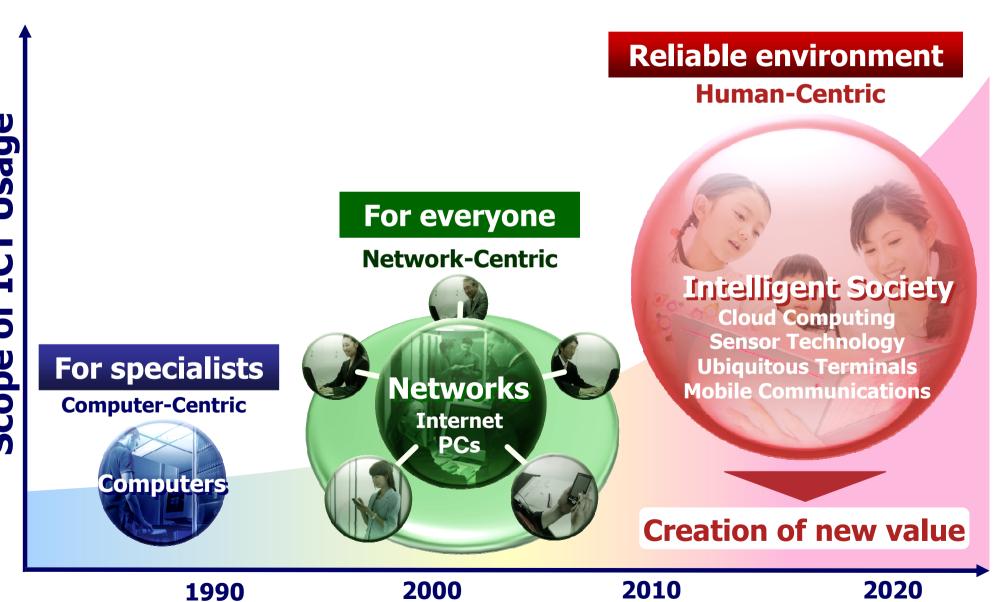


Typhoons



Building a society that is resilient to disasters

From "Technology-Centric" to "Human-Centric"

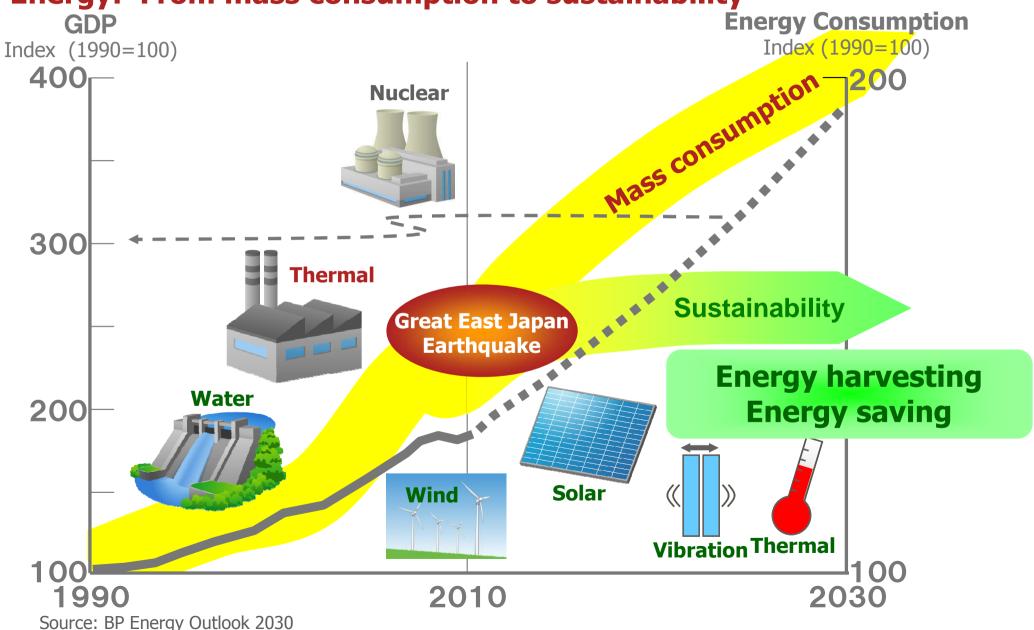


Paradigm Shift in Energy



Economy: Maintaining growth

Energy: From mass consumption to sustainability



Rise in Population & Aging Societies



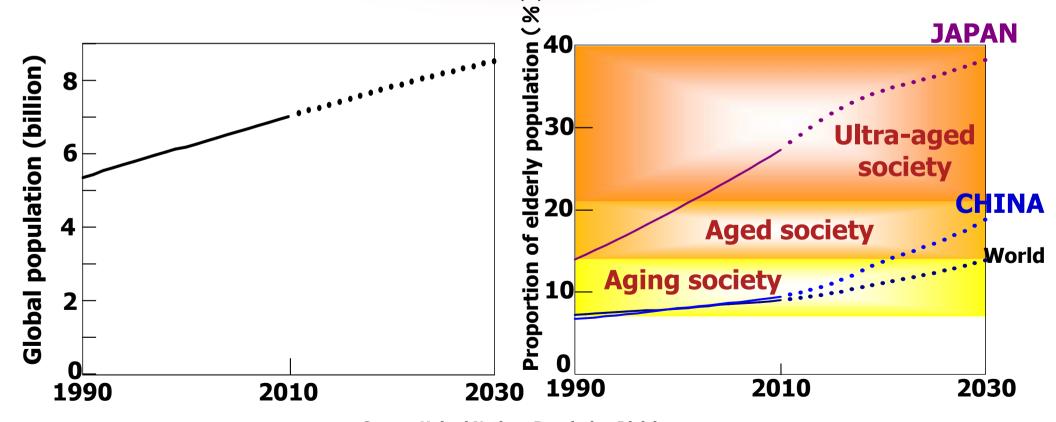
Rise in population





Healthcare networks
Remote medicine
Food & water security





Source: United Nations Population Division

Changes in Risks Surrounding People & Enterprises



Secure and safe utilization of ICT

Increase of menaces

- Natural disasters such as earthquakes, floods
- New-type influenzas



Increase of security risks

- Information leakage by insiders
- External threats such as falsification of websites and computer viruses

External requirements

- Reinforcement of internal controls
- Reinforcement of environmental regulations
- Global support

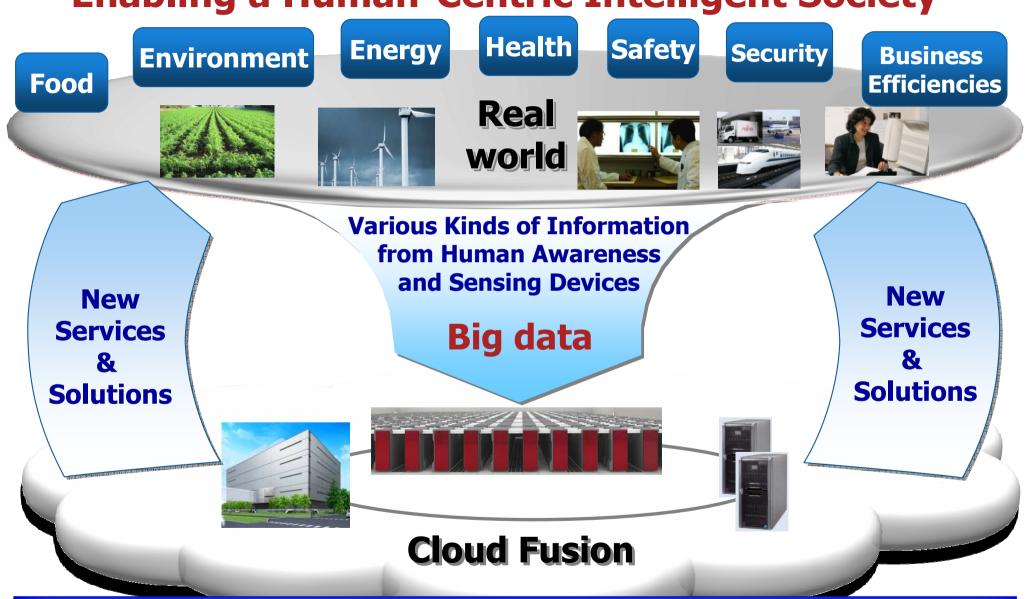
Changes in ICT

- Diffusion of cloud business: from possession to use
- Fullness of ubiquitous environment

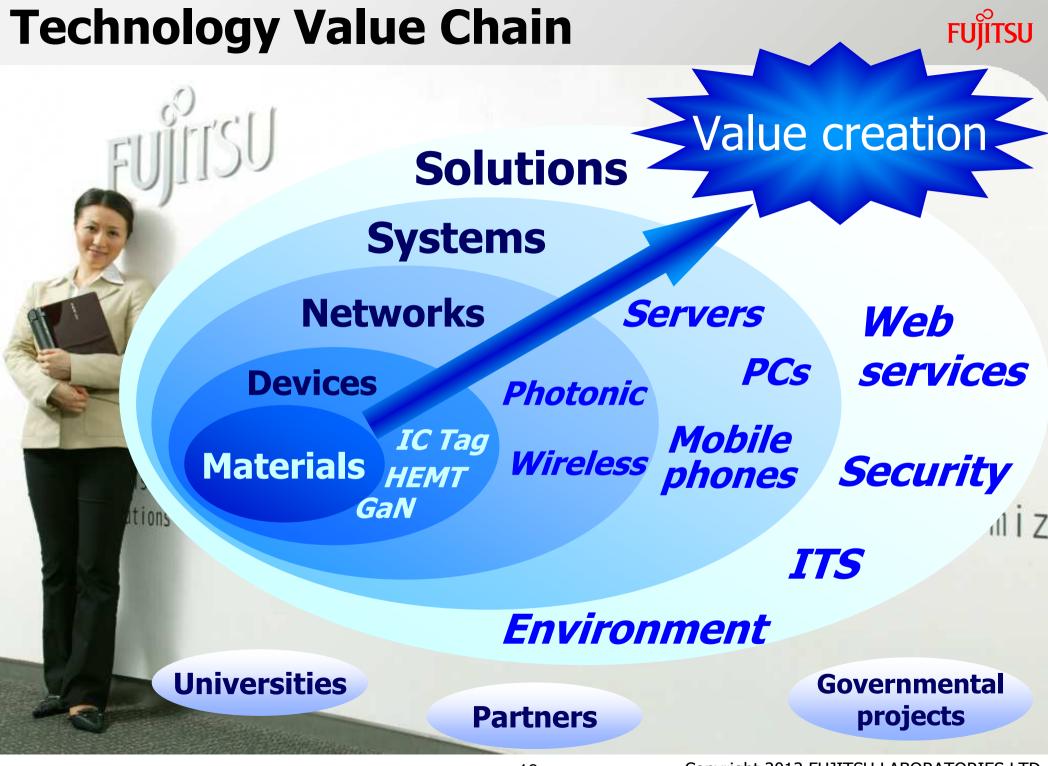
Fujitsu's Vision



Enabling a Human-Centric Intelligent Society



Real-world value creation through human-centric ICT

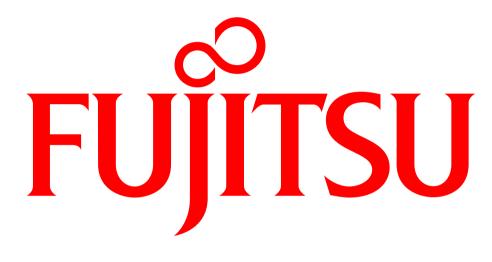


Recent R&D Activities: Focusing on big data Fujitsu

- **Large-Scale Biometrics Authentication**Multimodal biometric authentication technology combines palm vein pattern with fingerprint data from three fingers.
- Spatiotemporal Data Processing Enabling technologies for real-time spatial information service in big data era
- Market Defect Detection based on Compound Data Analysis Automobile Defect Monitoring and Recall Forecast
- Advancing Extraction Techniques for Distributed Data Rapid and efficient data extraction from tens of tera bytes of data distributed among hundreds of servers by specifying multiple ranges
- Next-Generation Server Platform Enabling new IT infrastructure of cloud and datacenter by proprietary resource pool architecture
- Location-Intelligent Auto-Access Technology for Information Devices Deliver' application and executes it automatically, then delete it from the desktop by user's location and time
- High-Performance Computing
 From the birth of a star to a nano-sized world
 Reaching to materialize the aspirations of humankind

Technology Innovation
To enable a resilient
"human-centric intelligent society"

Innovative technologies harness collective intelligence and create new value in our lives, in a "human-centric intelligent society"



shaping tomorrow with you

Cautionary Statement

These presentation materials may contain forward-looking statements that are based on management's current views and assumptions and involve unknown risks and uncertainties that could cause actual results, performance, or events to differ materially from those expressed or implied in such statements. Words such as "anticipates", "believes", "expects", "estimates", "intends", "plans", "projects", and similar expressions which indicate future events and trends identify forward-looking statements.

Actual results may differ materially from those projected or implied in the forward-looking statements due to, without limitation, the following factors:

- general economic and market conditions in the major geographic markets for Fujitsu's services and products, which are the United States, EU, Japan and elsewhere in Asia, particularly as such conditions may affect customer spending;
- rapid technological change, fluctuations in customer demand and intensifying price competition in the IT, telecommunications, and microelectronics markets in which Fujitsu competes;
- Fujitsu's ability to dispose of non-core businesses and related assets through strategic alliances and sales on commercially reasonable terms, and the effect of realization of losses which may result from such transactions;
- uncertainty as to Fujitsu's access to, or protection for, certain intellectual property rights;
- uncertainty as to the performance of Fujitsu's strategic business partners;
- declines in the market prices of Japanese and foreign equity securities held by Fujitsu which could cause Fujitsu to recognize significant losses in the value of its holdings and require Fujitsu to make significant additional contributions to its pension funds in order to make up shortfalls in minimum reserve requirements resulting from such declines;
- poor operating results, inability to access financing on commercially reasonable terms, insolvency or bankruptcy of Fujitsu's customers, any of which factors could adversely affect of preclude these customers' ability to timely pay accounts receivables owed to Fujitsu; and
- fluctuations in rates of exchange for the yen and other currencies in which Fujitsu makes significant sales or in which Fujitsu's assets and liabilities are denominated, particularly between the yen and the British pound and U.S. dollar, respectively.