

Fujitsu Laboratories' R&D Strategy

April 4, 2008 Kazuo Murano, Ph.D. President Fujitsu Laboratories Ltd.

Our Global R&D Laboratory Model for the 21st Century





Copyright 2008 FUJITSU LABORATORIES LTD

R&D Roadmap



	2000				40		2040
=	2008			20	/1Z		2018
IT Systems/ Services							
Serv	vices/Solution Visualization	Business ca ca On-deman	evaluation/improv ause traceability d service discove	ement; Busi or ry/integration	iness system ptimization	System & human integrated optimization	Systems that support efficient management
	Palm vein authentication		Multi-biomet	Multi-biometric authentication			Ŭ
	Watermar	Watermarking		Security improvement for SaaS			Security supporting
Platf	orm	SaaS	Cloud Co	mputina			social activities
	Requirement modeling Operation proce	SaaS dev	elopment platform Organi anagement Virtua	Adap developi c Computing	otive system ment platform	Autonomous	Autonomous systems for non-
	management	t c	ontrol	management	ated	computing	stop II service
	Grid computing		Peta-	scale computi	ng		
Networ	'k		Next Generatio	on Network			
Pho	tonic 40G	ibps N	lanageable / servio	ce network	100Gbps		Networks that
Wire	eless v		3G-L	TE (100Mbps)	core network	IMT-advanced 00Mbps~1Gbps)	goods and services
Ubiquitous							
	Electronic pap	er Mo	obile thin client	e thin client Tangible interface			Natural human-
	RFID	Se	nsor network	Ş	Service / home r	obots	machine interfaces
Base Technologies							
HDD		erpendicula	ar recording	Bit patte	erned recording		Robust
Syst	Digital AV	(H.264,UDT)	V)	Heter	ogeneous multi	-core LSI	infrastructure to
ser	miconductors 65 nm	CMOS Scali 4	ing Na 5 nm	no Electronics 32 nm	S	22 nm	support next generation
com	npound miconductors GaN a	mplifier	CNT a	pplications	Quant con	um encrypted	IT systems
Green [·]	Technologies						
	Analysis of hazaro substances Photocatalysis	dous VPS	Quantification of CO ₂ emission		Energy recyclir	ng	Environmental preservation

Copyright 2008 FUJITSU LABORATORIES LTD.

This Event's Announcements and Exhibits

Announcement, Exhibit





Cutting-Edge Technologies Supporting Fujitsu's Business



FY2008 Research Strategies and Enhancement Policies



Looking ahead while strongly supporting Fujitsu's business

Fujitsu Laboratories

- Create new business domains in medium- to long-term horizon. Green Technologies, Sensor Technologies, System Solutions, Next-Generation Terminals & Services
- Strengthen research contribution to Fujitsu's main businesses. Next-Generation Services & Solutions, Server Systems and Networking Technologies.
- Promote globalization, cost reductions, accelerated commercialization, business incubation.
- Enhance internal technological synergies.

Fujitsu Group

Pursue sustained growth based on development of powerful products and services.

Green Technology Initiatives





Fujitsu Laboratories' Strategies: Develop technologies that will lead to a reduction in CO₂ emissions.

High-efficiency Devices & Power-efficient Networks,

Energy-efficient Data Centers, Environmental Solutions, Sensing Technologies, etc.

Cautionary Statement

These presentation materials and other information on our meeting may contain forward-looking statements that are based on management's current views and assumptions and involve known and 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 effect 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 or 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.



THE POSSIBILITIES ARE INFINITE



Supplementary Materials

Overview of Fujitsu Laboratories

- Capital: 5 billion yen
- Budget: 40 billion yen (50% commissioned from business units, 50% from HQ) Fujitsu's consolidated R&D expenditure: 260 billion yen (estimate for FY2007)
- Employees: 1,450 in Japan,

190 at Overseas Labs (US, China, Europe)

