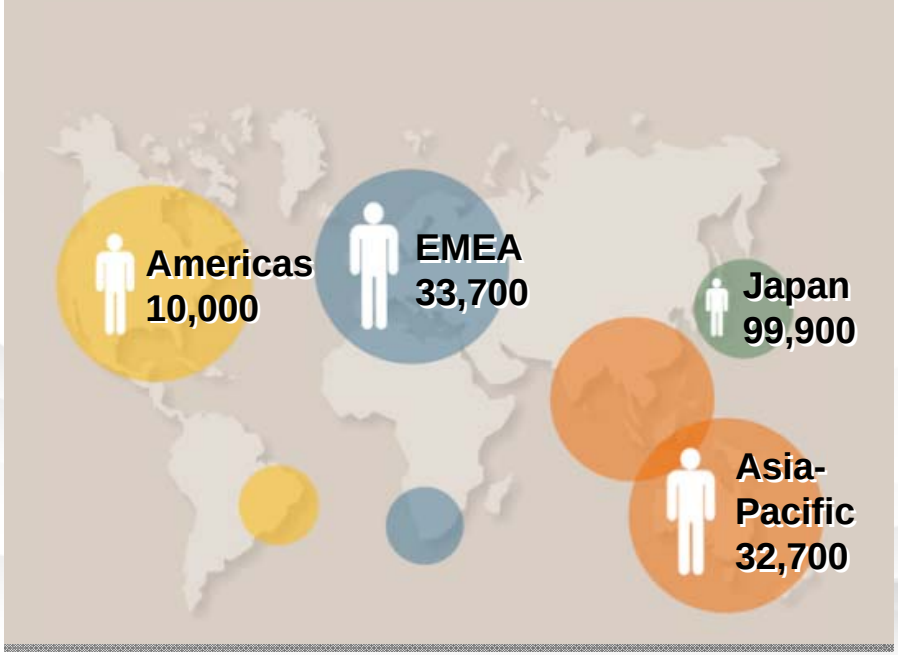
September, 2010

FUJITSU

shaping tomorrow with you

Corporate Senior Vice President
Fujitsu Limited
Noriyuki Toyoki

FUJITSU



Established : June 1935

Employees : 176,000

Business Segments :

- Technology Solutions
- Ubiquitous Product Solutions
- Device Solutions

Revenue : US$ 50B

consolidated financials FY2009

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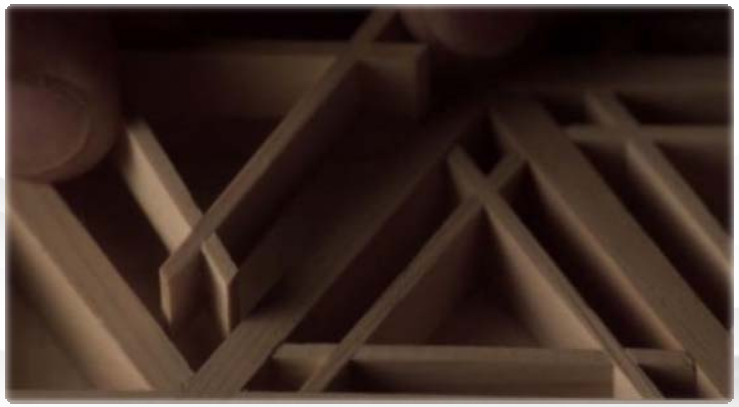

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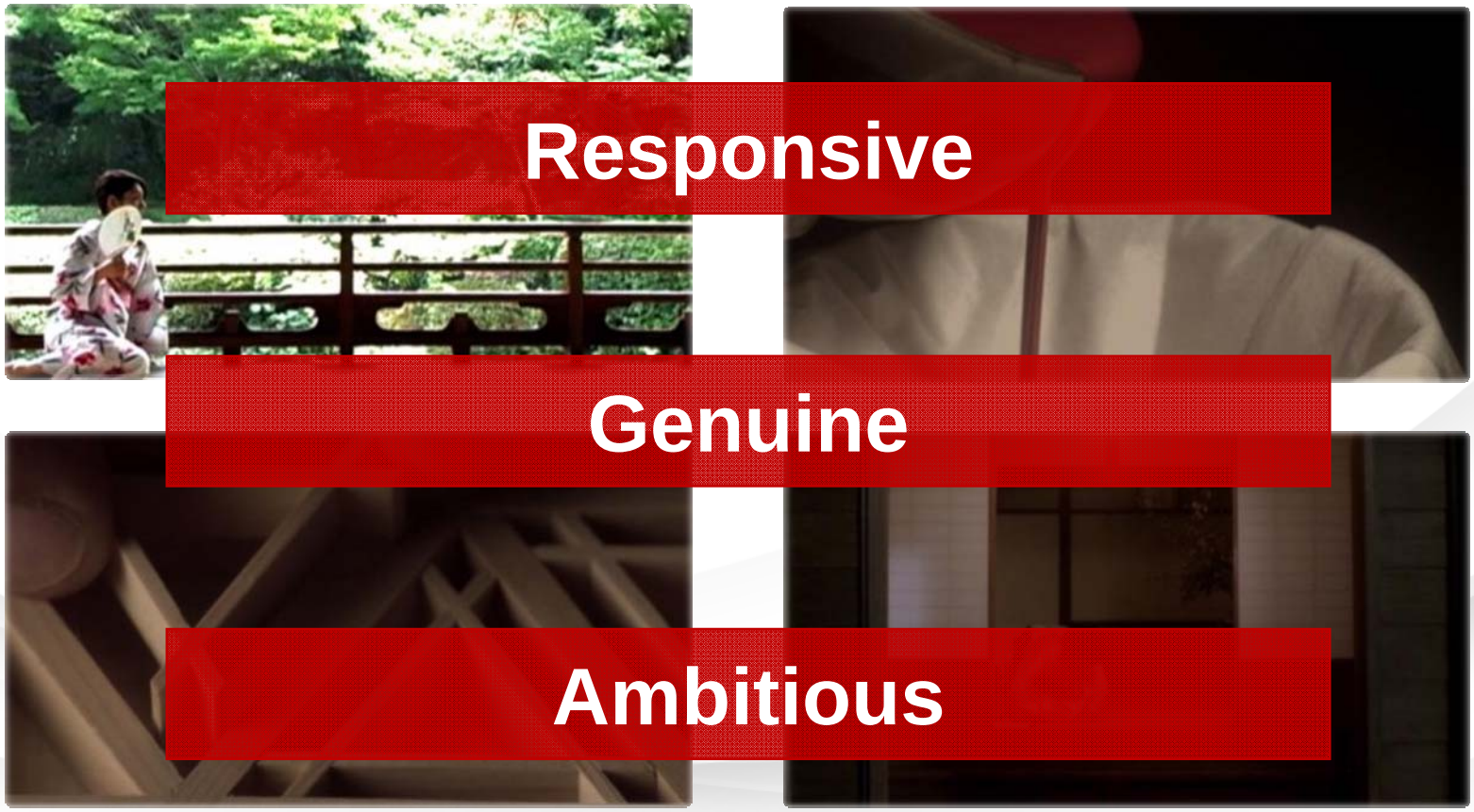

Responsive

Genuine

Ambitious

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Human Centric Intelligent Society

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Intelligent Society

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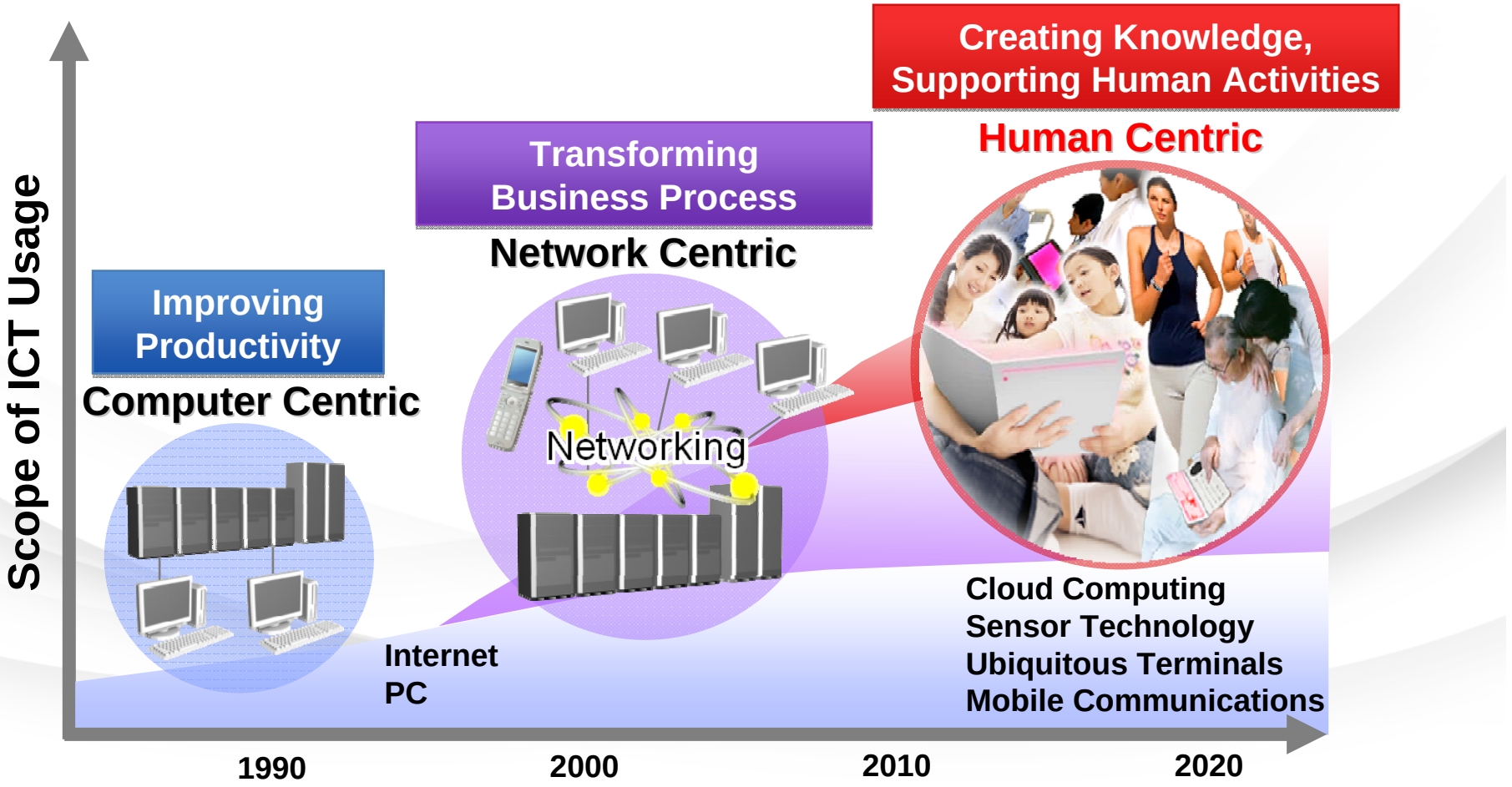
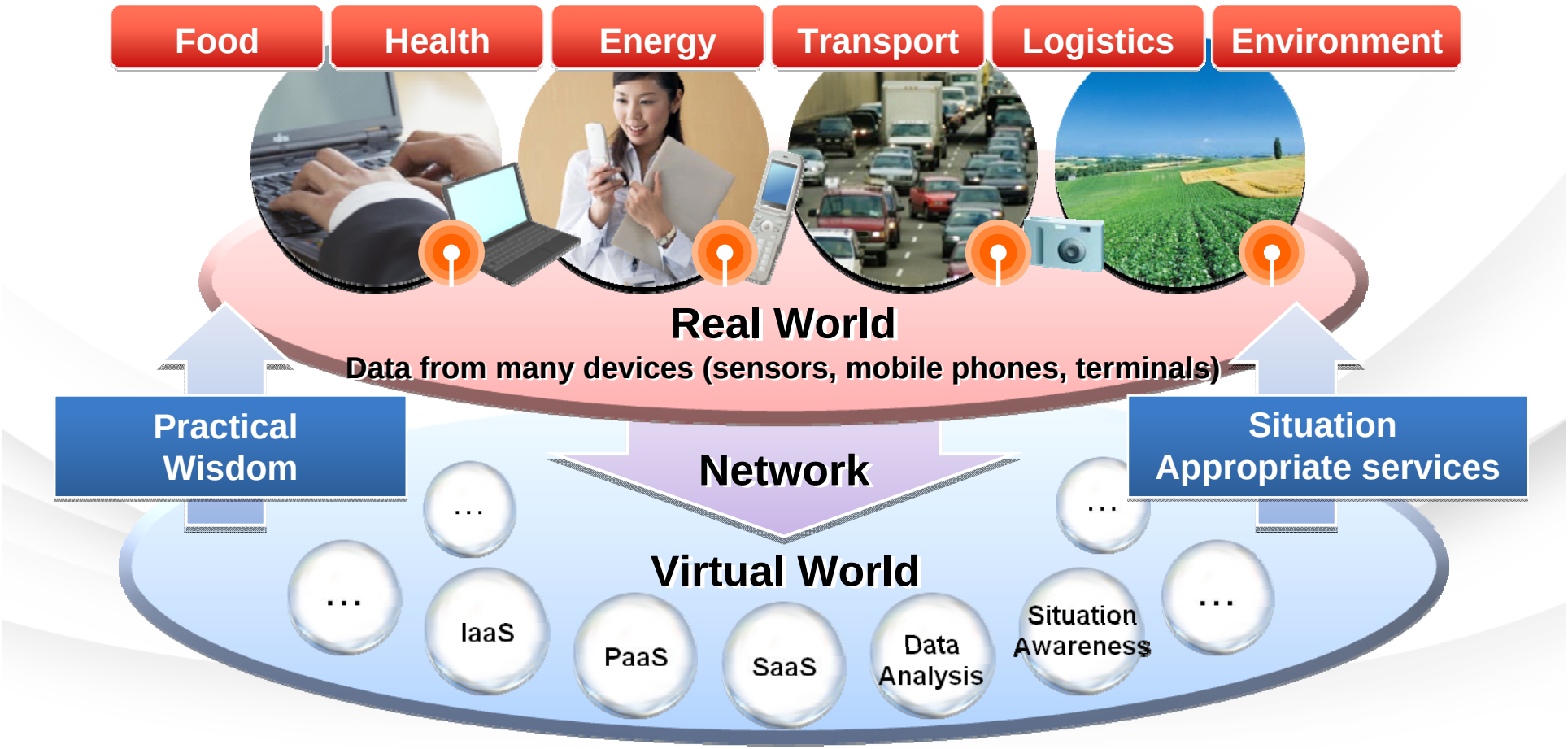
Pursuing Essential Human Values, Enhancing the Quality of Life

FUJITSU


Scope of ICT Usage
Improving Productivity
Computer Centric
Transforming Business Process
Network Centric
Networking
Creating Knowledge, Supporting Human Activities
Human Centric
Internet
PC
Cloud Computing
Sensor Technology
Ubiquitous Terminals
Mobile Communications
1990
2000
2010
2020

FUJITSU


Food
Health
Energy
Transport
Logistics
Environment
Real World
Data from many devices (sensors, mobile phones, terminals)
Practical Wisdom
Network
Situation Appropriate services
Virtual World
...
IaaS
PaaS
SaaS
Data Analysis
Situation Awareness

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High-Touch Services

Safety, Security

Entertainment

Low-Carbon Society

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Human Centric Intelligent Society

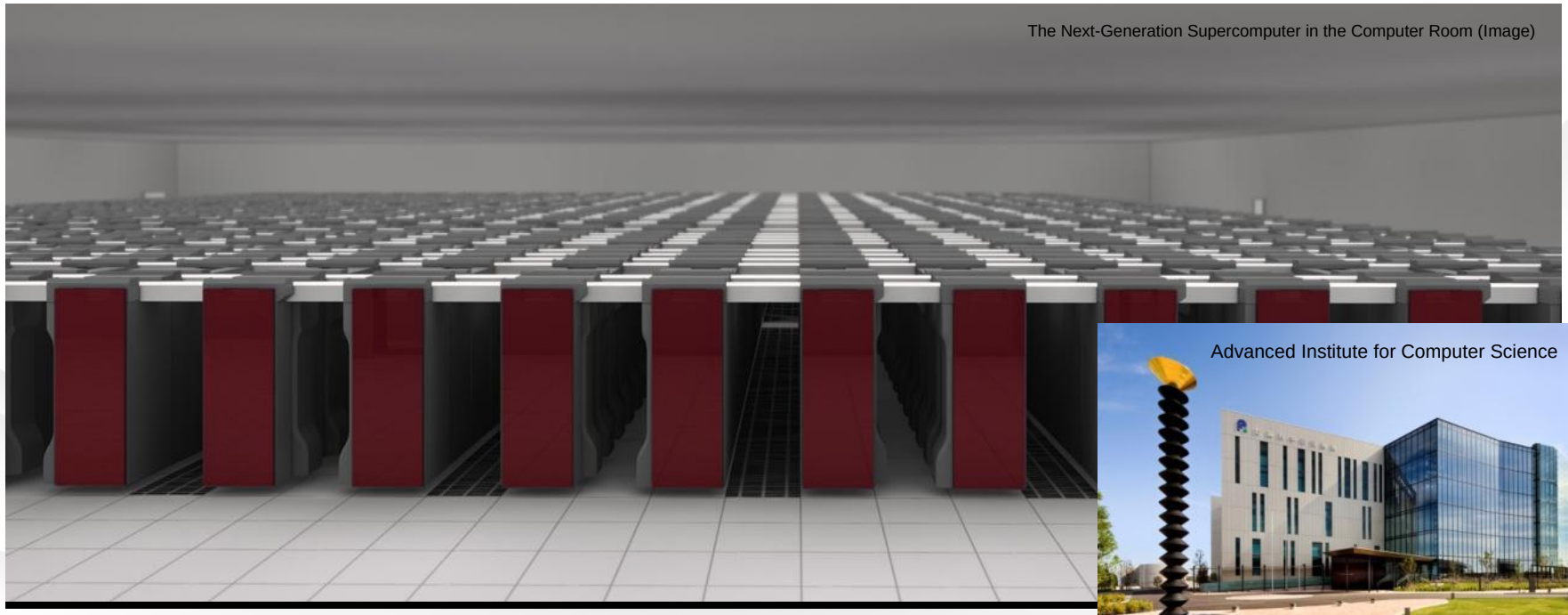
Fujitsu’s DNA

Fujitsu's Latest Activities

Japan's Next–Generation Supercomputer

FUJITSU

"K computer" – operational 2012



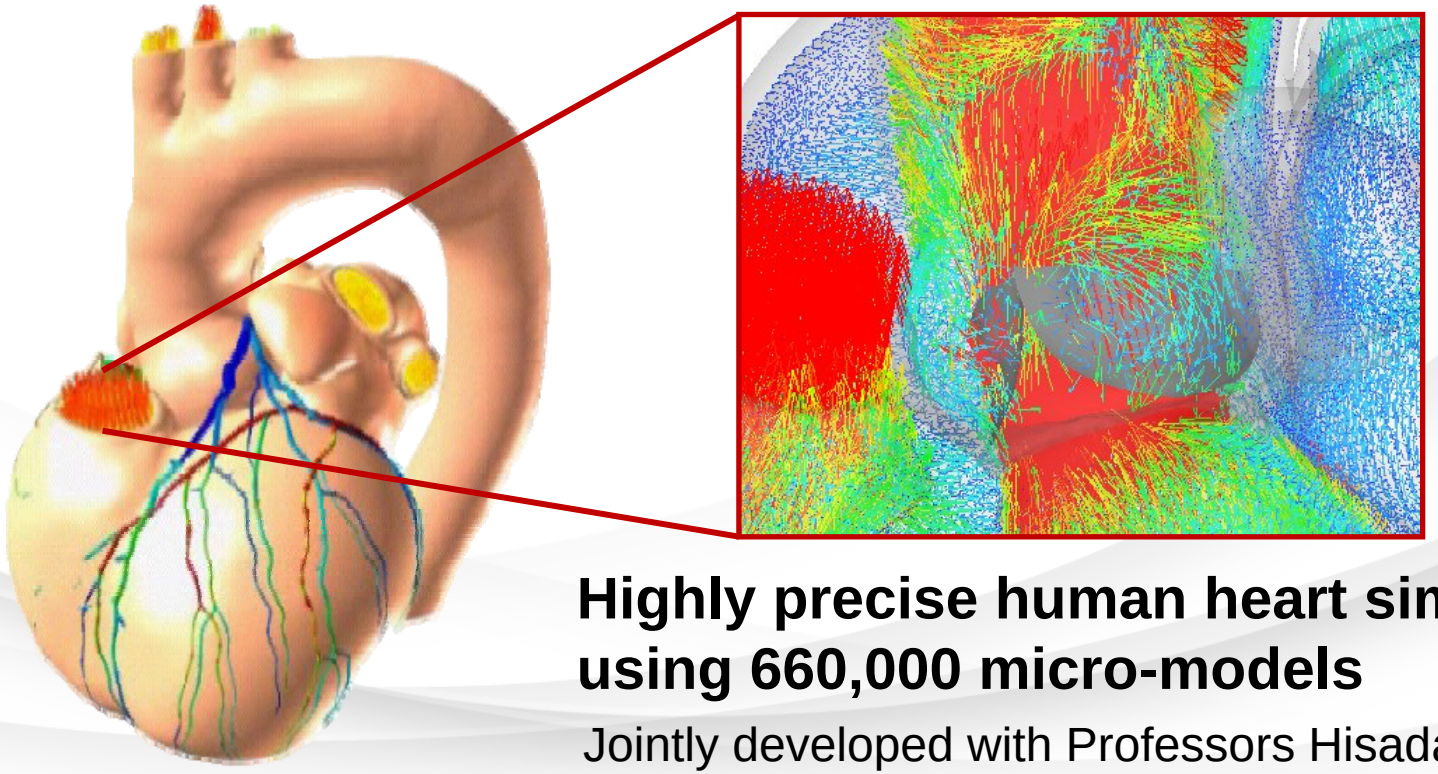
The Next-Generation Supercomputer in the Computer Room (Image)

Advanced Institute for Computer Science

Performance target: 10 petaflops

Heart Simulation

FUJITSU

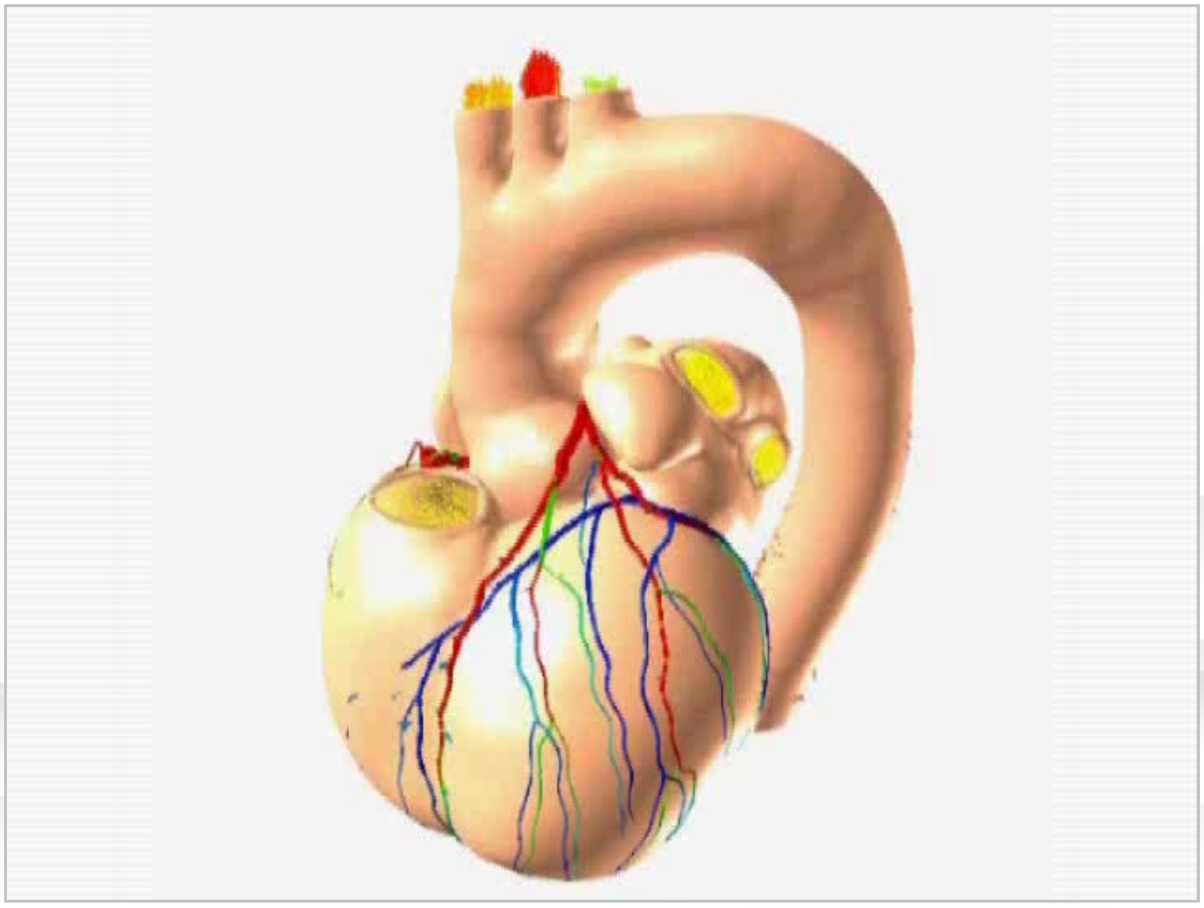


Highly precise human heart simulation using 660,000 micro-models

Jointly developed with Professors Hisada and Sugiura at the University of Tokyo

Heart Simulation

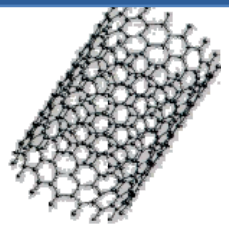
FUJITSU



Super Computer Enhanced Activities

FUJITSU

Nanotechnology



Life Sciences

Environment

Enabling
Massive & Complex
Processing

Energy

Manufacturing

Cloud in Agriculture

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Delivering Wisdom to Young Farmers

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Operation check lists

Work plans

Productive working (GPS)

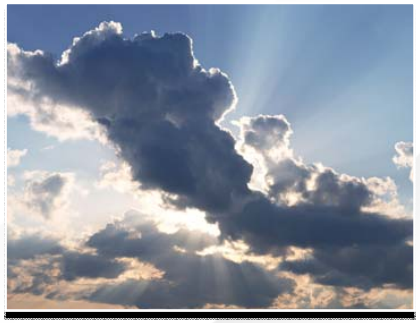
Accumulation & Analysis

Best practice discovery

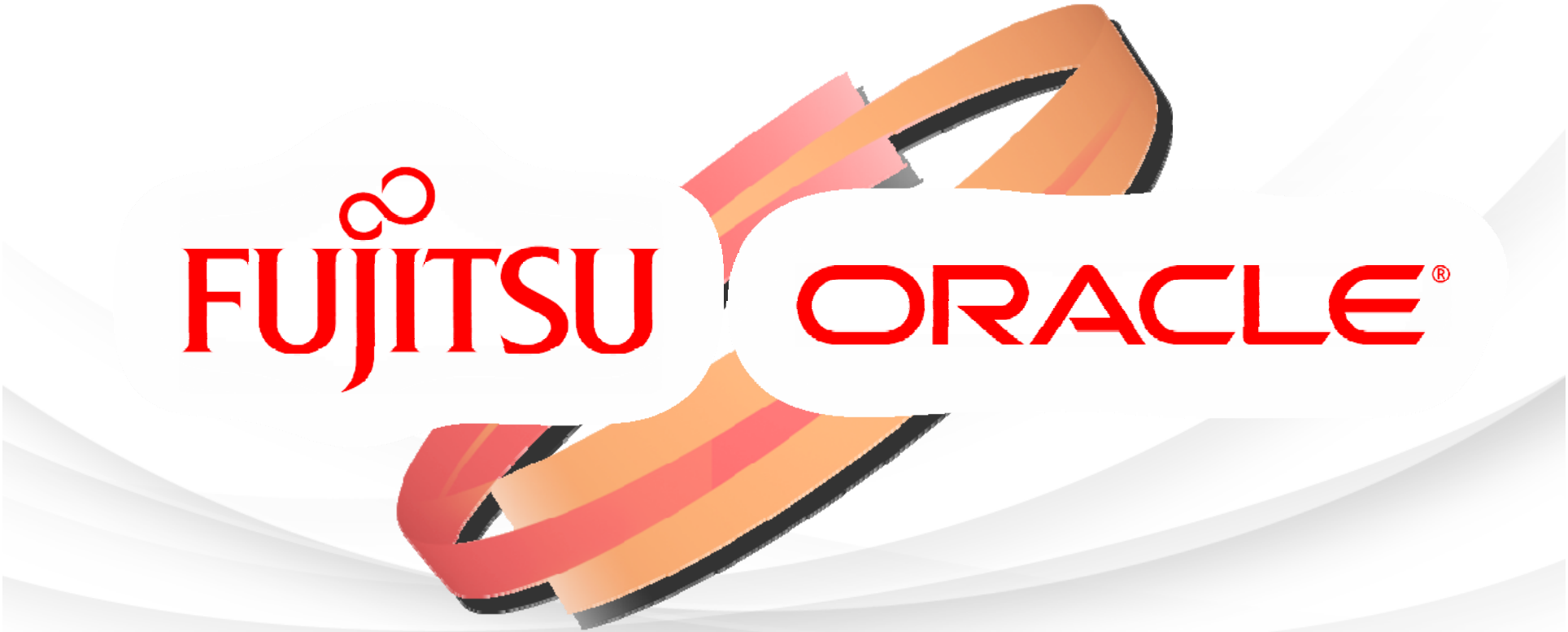
Determine best Action

Recommendations and Advice

Weather



Soil conditions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Fujitsu Processor Development

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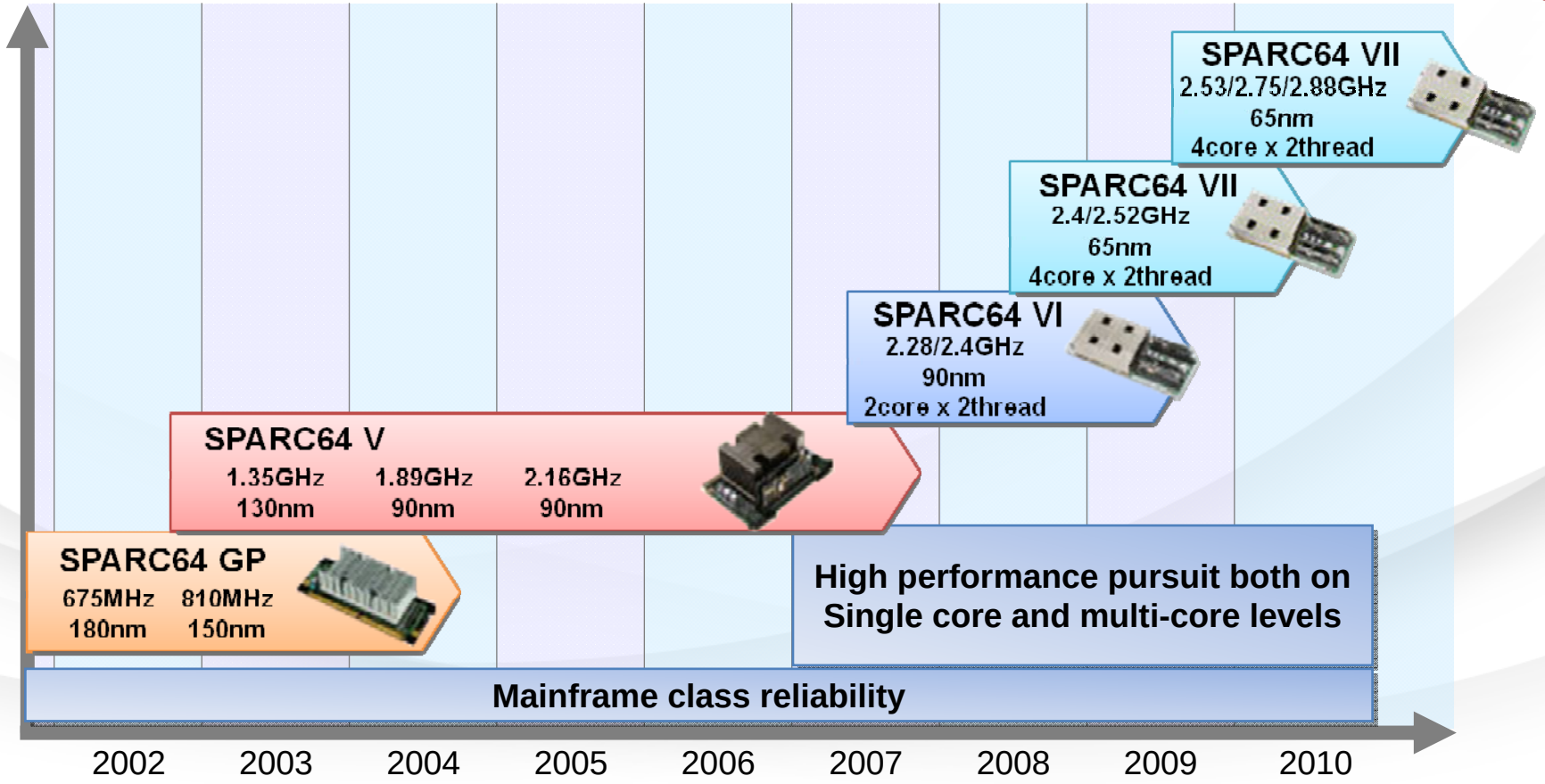
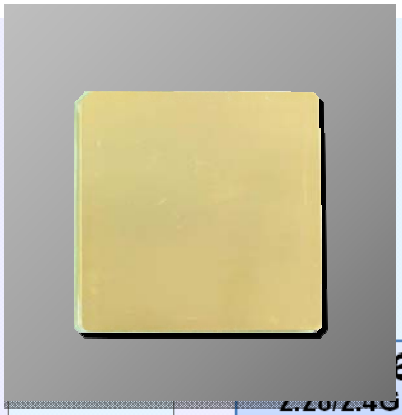


Note : This information may be changed without notice.

Fujitsu Processor Development

FUJITSU



SPARC64 VII
2.53/2.75/2.88GHz
65nm
4core x 2thread

SPARC64 VII
2.4/2.52GHz
65nm
4core x 2thread

64 VI
GHz
90nm
2core x 2thread

SPARC64 V
1.35GHz 1.89GHz 2.16GHz
130nm 90nm 90nm

SPARC64 GP
675MHz 810MHz
180nm 150nm

High performance pursuit both on Single core and multi-core levels

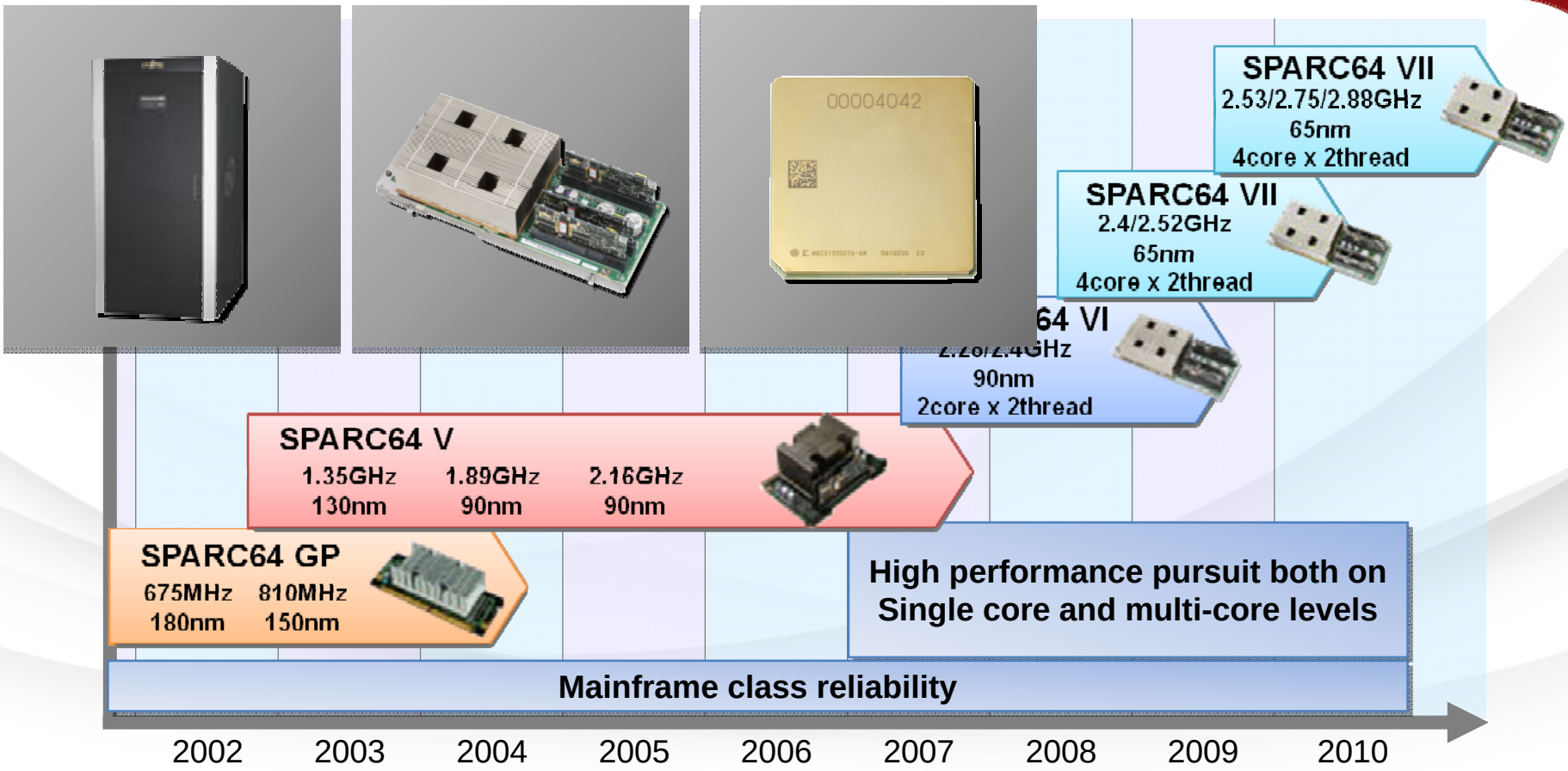
Mainframe class reliability

2002 2003 2004 2005 2006 2007 2008 2009 2010

Note : This information may be changed without notice.

Fujitsu Processor Development

FUJITSU



Note : This information may be changed without notice.

Optimized Scalability, Robustness and Virtualization

FUJITSU

Technology Innovation and Best Enterprise OS

Mission-Critical Technology

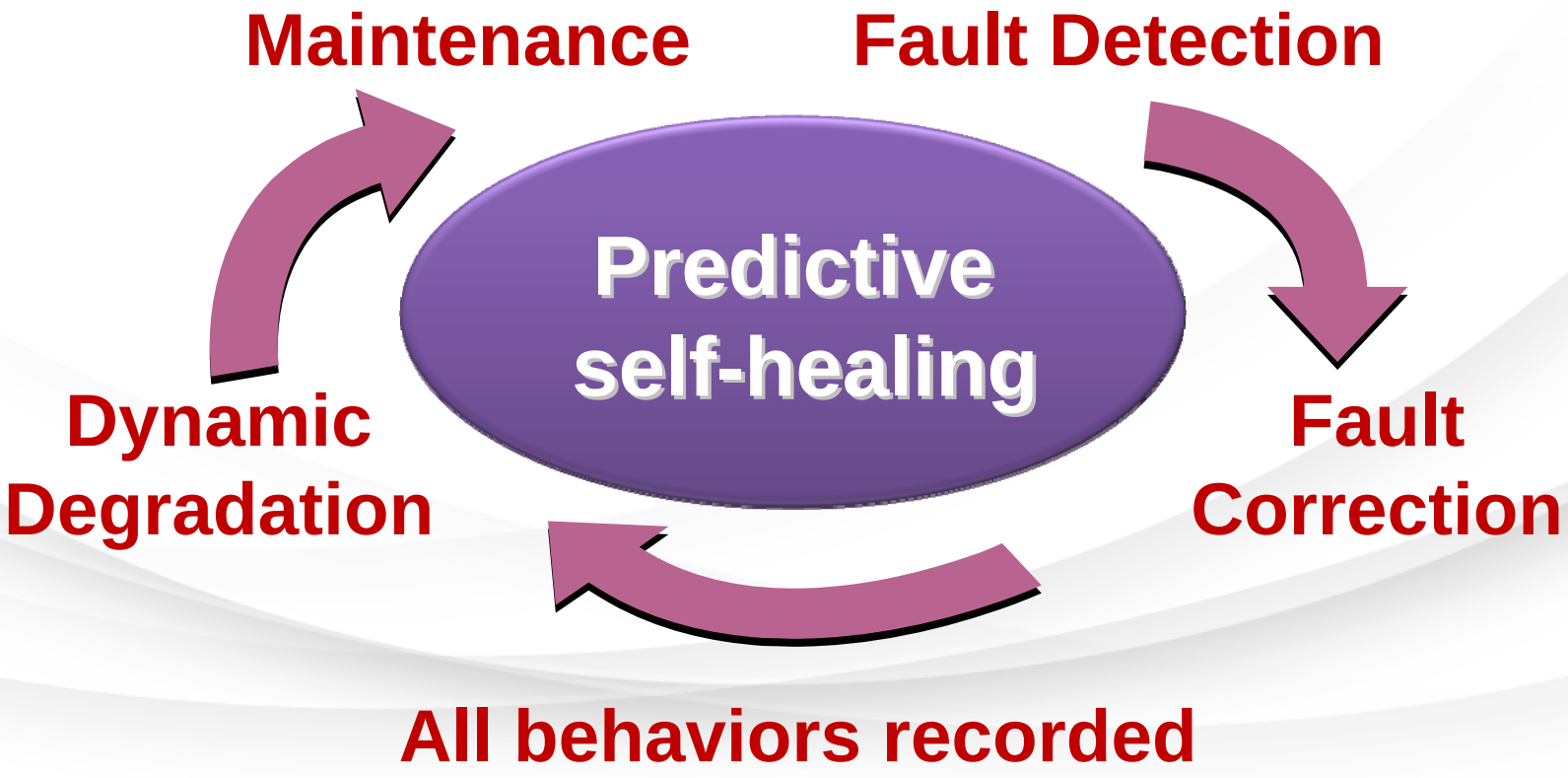
Fujitsu Server Direction

FUJITSU

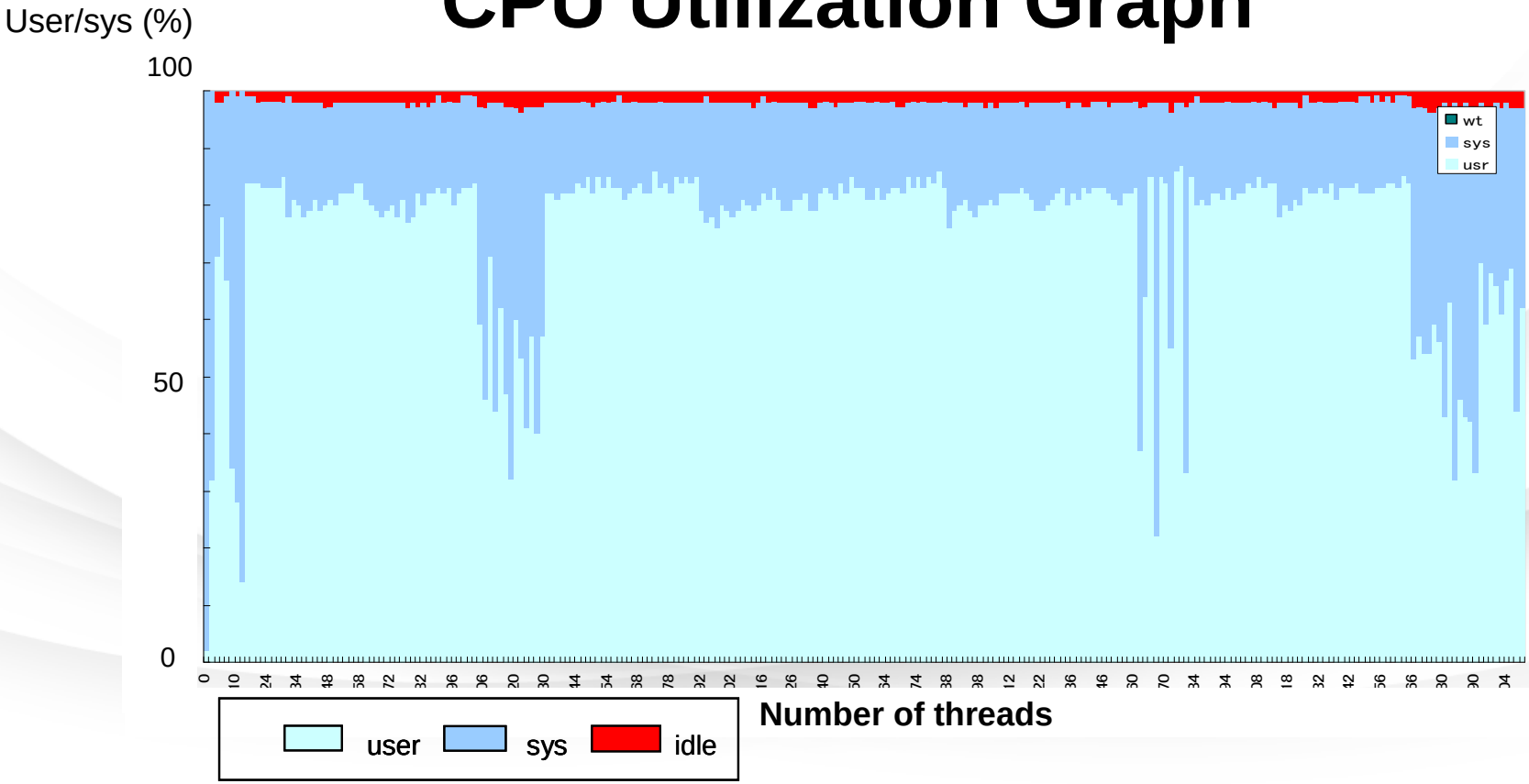
- Business Continuity
- Flexibility
- Easy Expansion

The Perfect Blend of SPARC Enterprise & Solaris

FUJITSU



CPU Utilization Graph



Fujitsu Server Direction

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SPARC Enterprise

Effective Error Minimization

Effective Hardware Fault minimization

Error Prevention at EVERY Level

Trustable Virtualization

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Trustable Virtualization

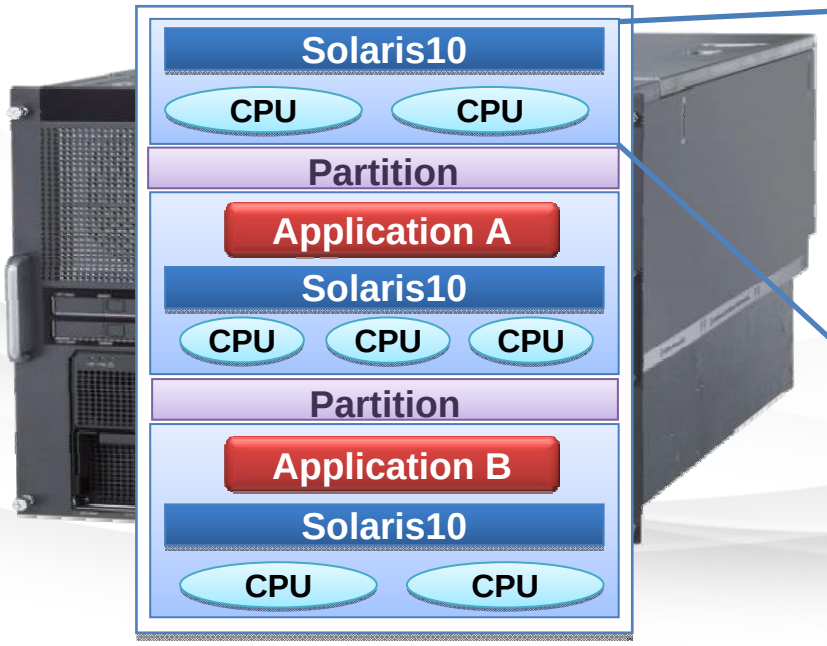
FUJITSU

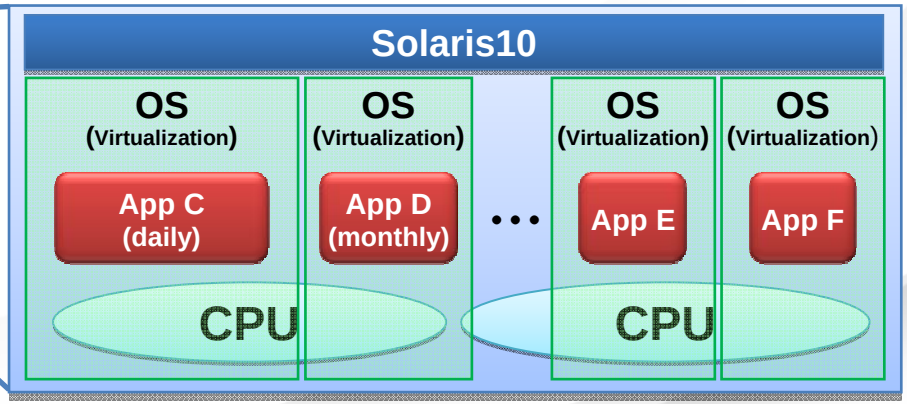
Hardware Partitioning (M4000/M5000/M8000/M9000)

Total Partition Separation

SOLARIS Containers (Solaris10)

Total Flexibility (max, 8,191 containers)





Consolidation of Varying Workloads

Strong Global Alliances

FUJITSU

Aggressive Growth Through Partnerships

“Think Global, Act Local”

New service creation

Cloud based Models, New Customer Value, Human centric services

SPARC Enterprise M-Series

FUJITSU

- Best platform for mission-critical workloads
- Agility to adapt to business change
- Customer investment Protection

Virtualization	Scalability	Availability
Solaris Containers	SMP Inter-connect	System RAS (Robustness)
Solaris ZFS	Oracle Solaris	Hardware Partitioning
Dynamic Reconfiguration (XSCF-DR)	Memory Placement Optimization	Solaris FMA

ORACLE＆Fujitsu Partnership

FUJITSU

FUJITSU ORACLE

ORACLE & Fujitsu Partnership

FUJITSU

FUJITSU ORACLE

UK OUG

PARTNER OF THE YEAR
AWARD WINNER 2009/2010

ORACLE＆Fujitsu Global Partnership

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Case Study

Case study

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ALADIN Overview

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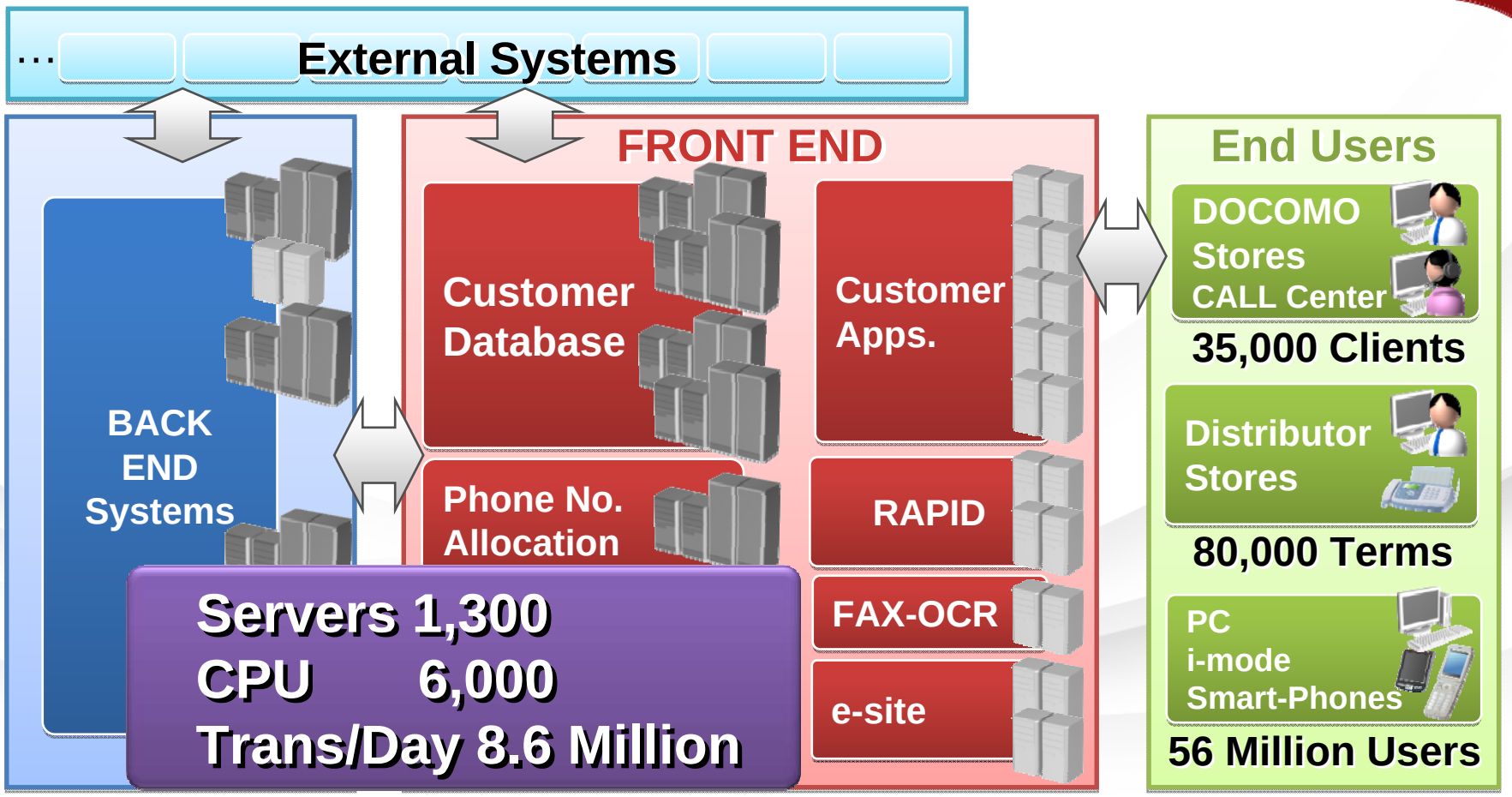

Case study

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SPARC Enterprise Servers

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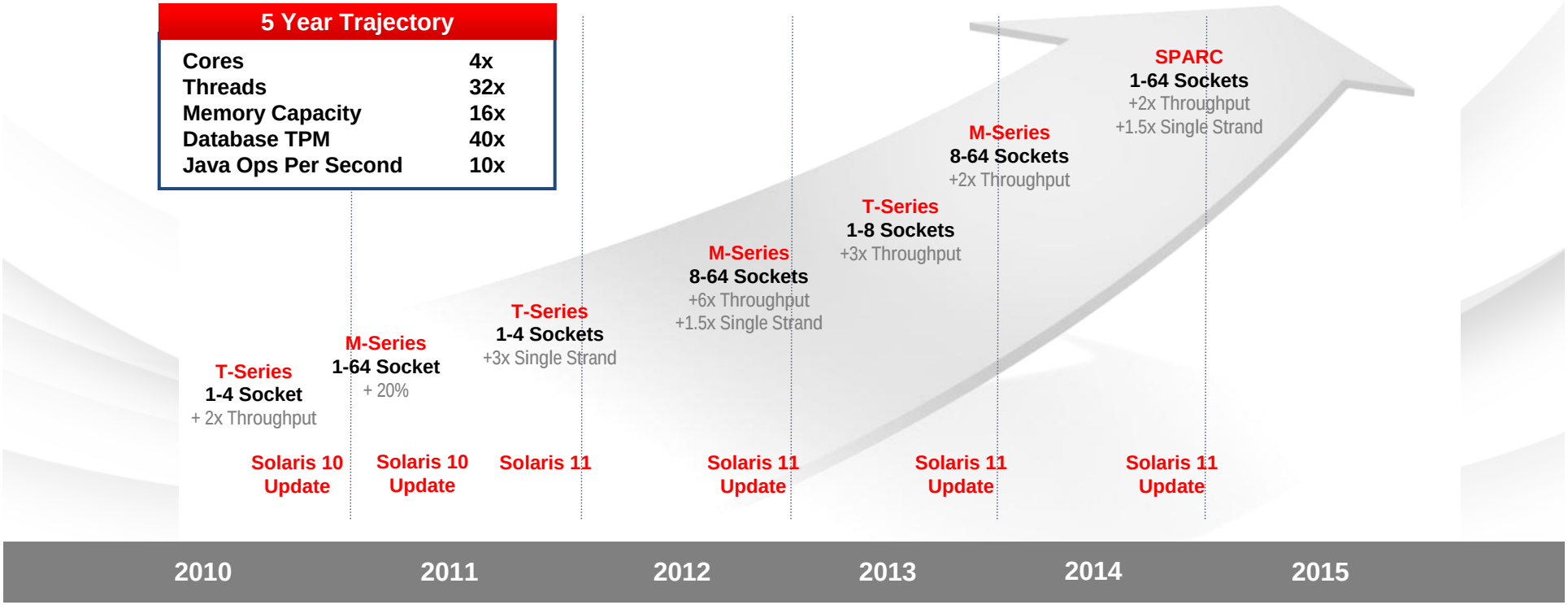
Maximizing Results

Sun ORACLE FUJITSU

5 Year Trajectory	
Cores	4x
Threads	32x
Memory Capacity	16x
Database TPM	40x
Java Ops Per Second	10x



SPARC Enterprise Servers M9000

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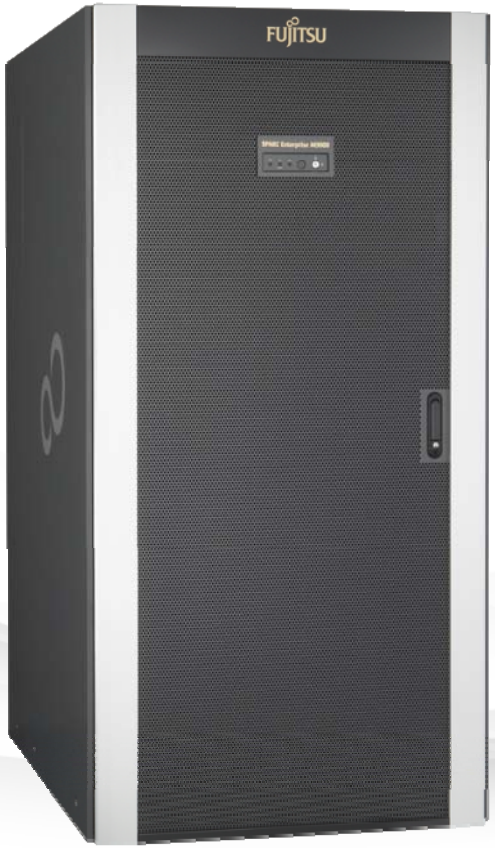

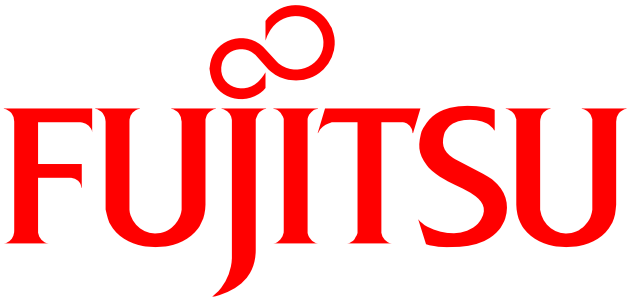

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