

Fujitsu's Initiatives in the Outsourcing Field

September 6, 2007

Fujitsu Limited

Market Share Ranking and Sales Targets

- The Fujitsu Group has had the highest revenue in Japan's outsourcing market for three straight years
- Our 9.2% sales growth outpaced overall Japan market growth of 6.7%*

*Japan market growth rate is for calendar year 2005 to 2006; Fujitsu growth rate is for fiscal year 2005 to 2006 Source: IDC Japan, "Competitive Analysis of Japan's IT Outsourcing Market for Fiscal 2006," August 2007,(J7250105)

| | Company | | | | |
|---|-----------|--|--|--|--|
| | Company | | | | |
| 1 | FUĴĬTSU | | | | |
| 2 | IBM | | | | |
| 3 | NTT Data | | | | |
| 4 | NEC | | | | |
| 5 | 5 Hitachi | | | | |



Outsourcing Business Model

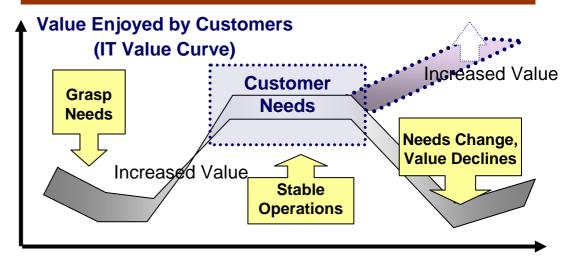
Generate long-term, recurring revenue by leveraging continuing customer relationships to deliver value through stable operations

Product Model (Increase Value)



- Tangible
- Higher prices for value added
- Vendor decides specifications
- Vendor determines end product

Outsourcing Model (Increase Value, Maintain Competitiveness, Respond to Change)



- Intangible
- Added value increases customer satisfaction
- Joint work with customers
- Emphasis on both end result and process

Expanding Business Potential of Outsourcing

From system operations partner to business partner

Goals of Outsourcing

Part of IT Function

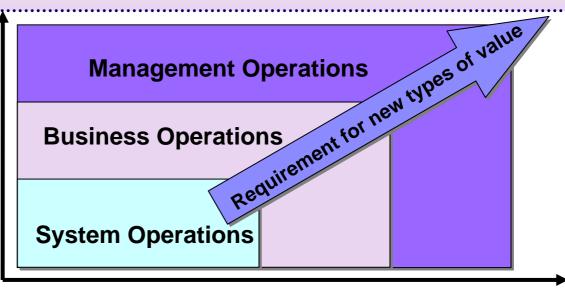
- Cost reduction
- Safety, robustness
- Security
- Co-location



Part of Corporate Value

- Business partner
- Asset-lean management
- Offload IT operations
- Energy conservation/ environmental measures

Outsourcing Effectiveness



Customer/Vendor Relationship

Toward business partnership



Our Outsourcing Strategy

Our Outsourcing Services Menu



- **♦**Business Process Outsourcing (BPO)
- **♦** Application Outsourcing (APM)



- ◆Data Center Outsourcing
- **♦**ASP/SaaS
- On-Demand, Organic

Focus of today's presentation



- **♦**Onsite Outsourcing
 - PC-LCM Services / SV-LCM Services
 - Support Desk (SDK) Services



- ♦Network Outsourcing
 - FENICS Network Services
 - FENICS IP Phone Services

Data Center Business Status

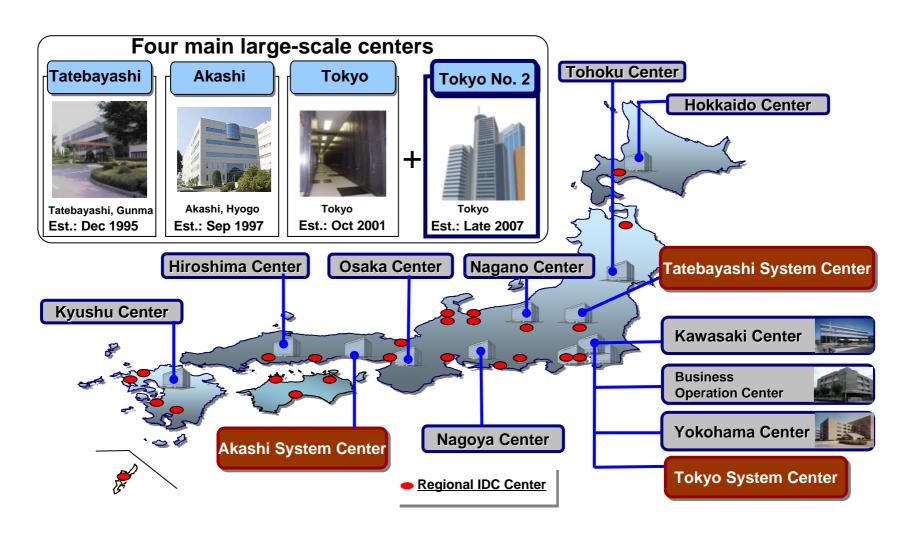
Steady growth in customers, dramatic jump in systems as a result of shift toward open standards, but able to restrain growth in personnel through efficiencies, standardization

| | 1995 | 2000 | 2006 | Increase over past 10 years |
|-----------|----------|------------|------------|-----------------------------------|
| Customers | 350 cos. | 1,300 cos. | 2,100 cos. | 6x |
| Systems | 1,600 | 12,000 | 21,000 | 13x |
| Locations | 13 | 34 | 50 | 4x |
| Personnel | 400 | 700 | 1,200 | 3x |

Consolidated data for data center outsourcing and ASP services in Japan

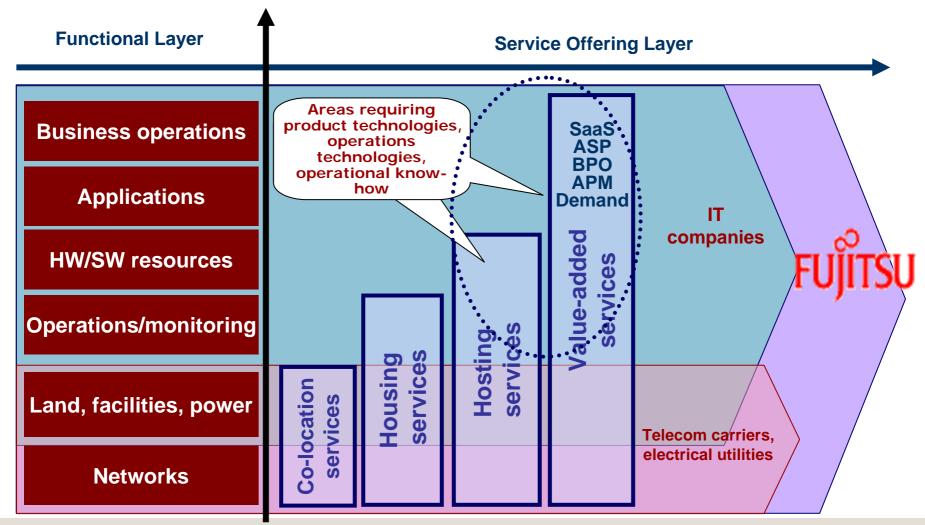
Expansion of Data Centers

50 data centers throughout Japan at present



Competitive Positioning of Service Offerings

Only Fujitsu can create and provide uniform offerings extending to high-value-added services, products and networks

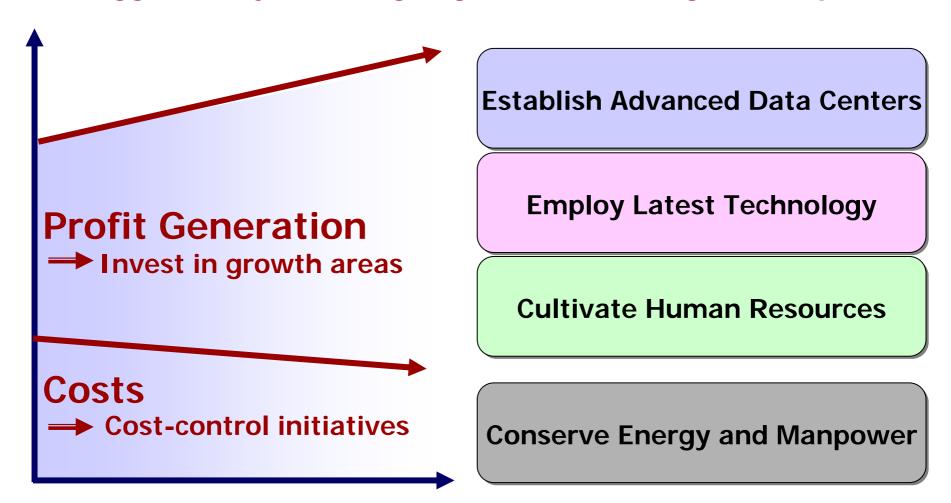




Future Growth Areas

Outsourcing Business Growth Strategy

Raise competitiveness and improve earnings by controlling costs and aggressively investing in growth areas to generate profits



1. Establish Advanced Data Centers **Tokyo System Center No. 2**

Opening dedicated services hosting center based on next-generation IDC model (December 2007)

1. Respond to Customers' Changing Needs

- Greater electrical capacity (2x higher than current center)
- Fewer operational staff (1/10 that of current center)
- Improved accessibility (1 min to nearest station); direct
 Internet exchange point



2. New Technology Platforms

- RFID (intrusion detection, automated alerts) to prevent unauthorized entry
- Heat build-up monitoring, power consumption monitoring
- Global standard specifications (highest tier standards/FISC compliant)

1. Establish Advanced Data Centers Next-Generation Facility Concept

Building state-of the-art data center with countermeasures for environmental, energy saving, Tier 4, natural disaster, and terrorism contingencies

Safety

- Partial float seismic isolation
- Windowless equipment building
- Earthquake sensing & warning devices

High Integration

- Floor load capacity (1.5t/m²)
- Electrical capacity (20 KVA/rack)
- Heat flow simulation

Network

- Supports ultra-broadband NGN
- Carrier-free environment
- Multi-carrier redundancy

Environment, Energy-Saving

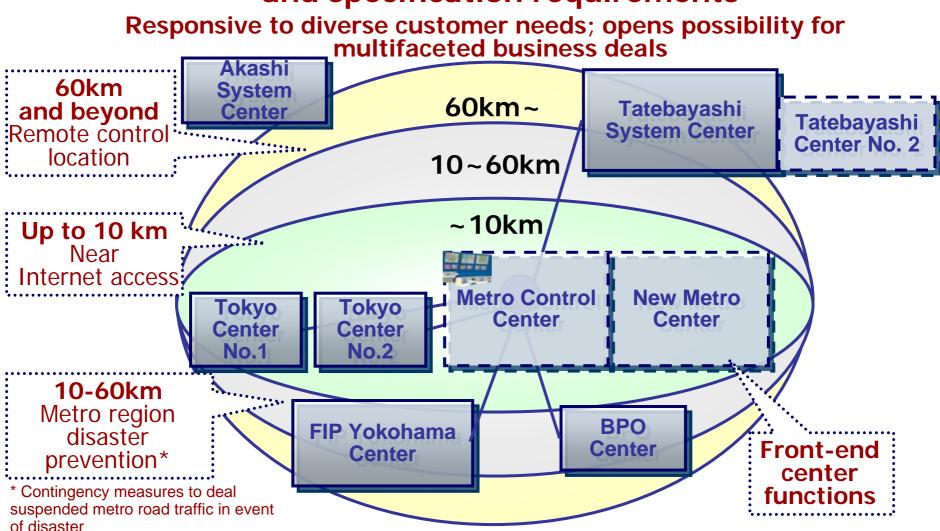
- Solar power system
- Rooftop greenery
- High-efficiency UPS

Security

- RFID entry gates
- Image recognition
- Palm vein authentication

1. Establish Advanced Data Centers Multi-location Concept

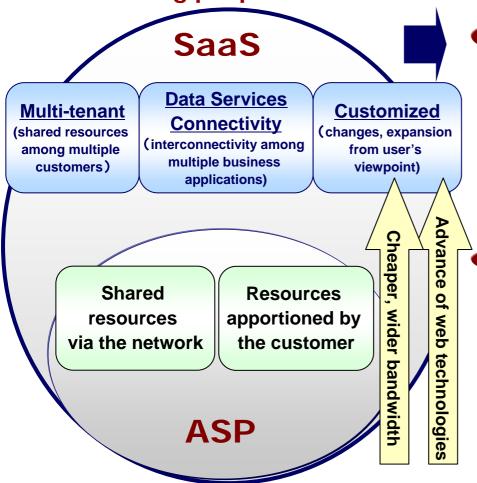
Deploying dedicated centers for particular access and specification requirements



2. Employ New Technology SaaS (Software as a Service)

Providing application functionality over the network as a service

Business development using SaaS as a springboard for creating a new model of linking people and businesses (to be announced in 3rd quarter)



Customer's Viewpoint

Change to flexible, agile management operating environment

- Shift from "making" & "owing" to "using"
- •Improved flexibility, operability, usability
- Minimize investment, expedite operational start-up

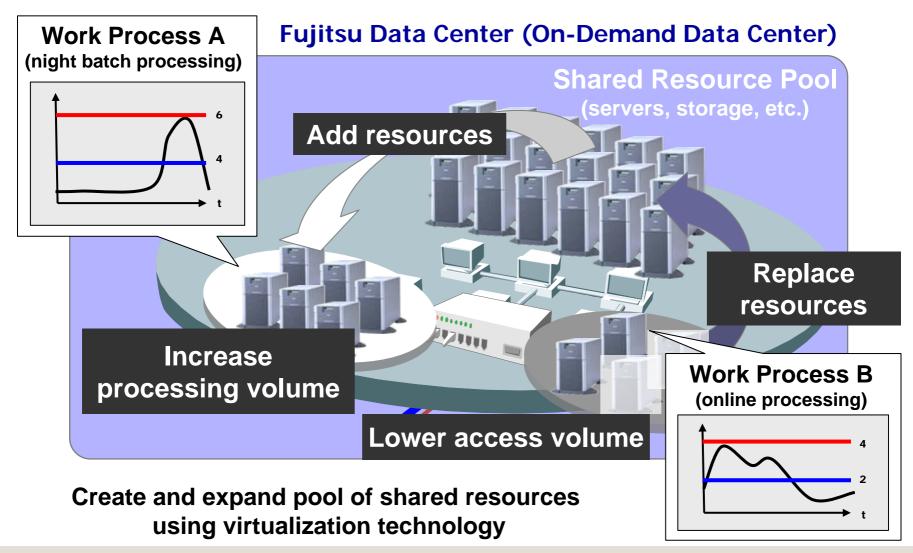
Fujitsu's Viewpoint

Consolidate new technology on data center platform

- Change from selling products to selling services
- Expand "long tail" market horizon beyond large companies
- Realize cost efficiencies through consolidation and use of templates

2. Employ New Technology On-Demand Data Center

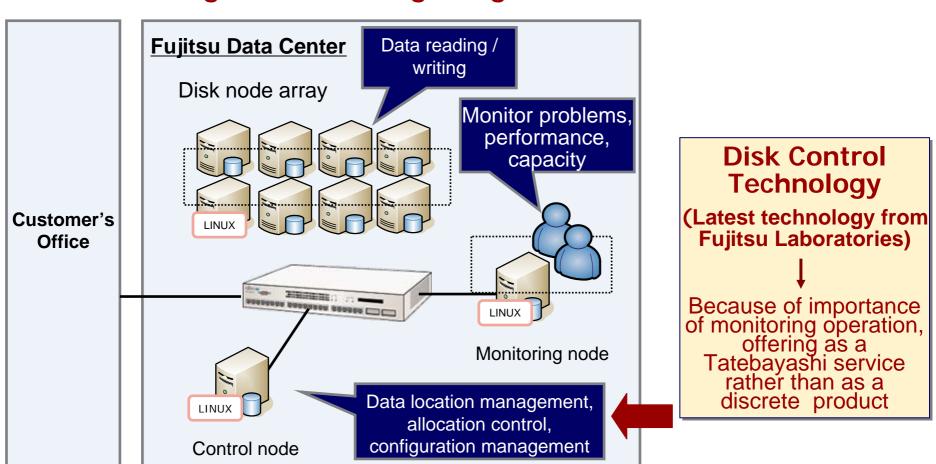
Making customer investment in IT operations a variable cost



2. Employ New Technology Organic Storage

Deploying PC-price-level disk nodes in data centers

Possible services include autonomic error correction, long-term archiving, usage-based fee structure

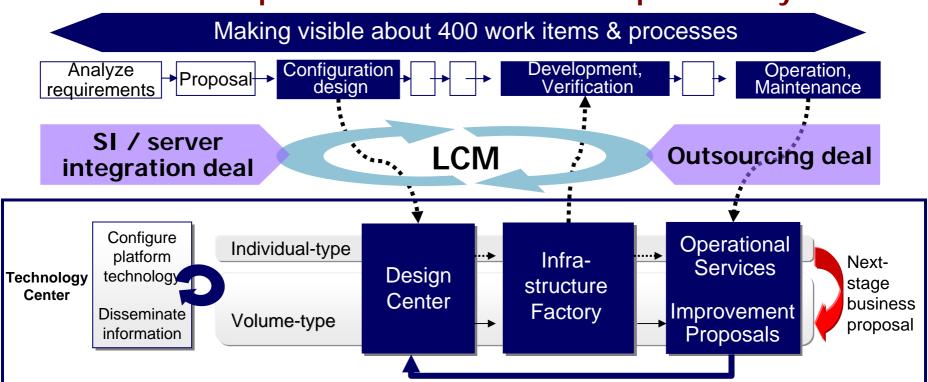


2. Employ New Technology

Industrialization of Infrastructure

From system configuration selection, design, construction (assembly) to verification, all processes are integrated at "infrastructure factory"

Reduces process costs and increases profitability



Promote broad application, from SI to outsourcing (onsite data center)

2. Cultivate Human Resources **Service Managers**

Responsibility for controlling and managing customers' IT operations

Important factors for outsourcing services' added value and quality improvement:

Customer Issues

- Top management doesn't have someone to whom to communicate direction for next period
- Service elements are provided piecemeal
- No proposals for improvements
- Pricing is not transparent

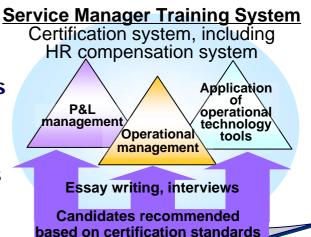
Service Manager's Role

Managers

Customer Site



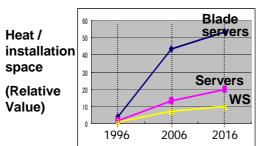
- Maintain regular communication with top management
- Make operation of multiple services uniform
- Overall service control
- Control operators, related divisions
- Make proposals for optimization, improvement of operations



4. Energy Saving and Environmental Countermeasures

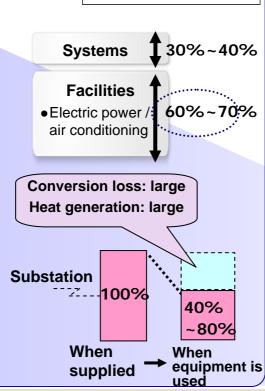
Energy Environment Status

Highly integrated servers consume 40x the power of 10 years ago and this trend will continue.



Facilities
consume greater
proportion of
power than
systems and
must be included
in energy saving
measures.

Conversion loss is common in power access facilities. More efficient use of supplied power is needed.



Measures, Initiatives

Tatebayashi

- Installed energy-efficient lighting / solar roof panels
- Added one in-house generator, built new electric power room
- Installed precision-mounted zone air-conditioning equipment (14 units)
- Installing high-efficiency turbo cooling equipment (2008)

Tokyo Center No.1

Changed configuration based on heat flow simulation

Tokyo Center No.2

 Deployed 4 KVA per rack power supply (twice previous level)

Other

 Established new organization of first-class architects. Organized energy efficiency diagnosis and environmental strategy center and design services.

*In the event of a shortage in power supply, in-house power generation and multiple fuel oil delivery contracts ensure that customer systems are kept operating.

Global Expansion Initiatives

We now have 80 data centers and operate call centers in 29 languages in 16 countries around the world.

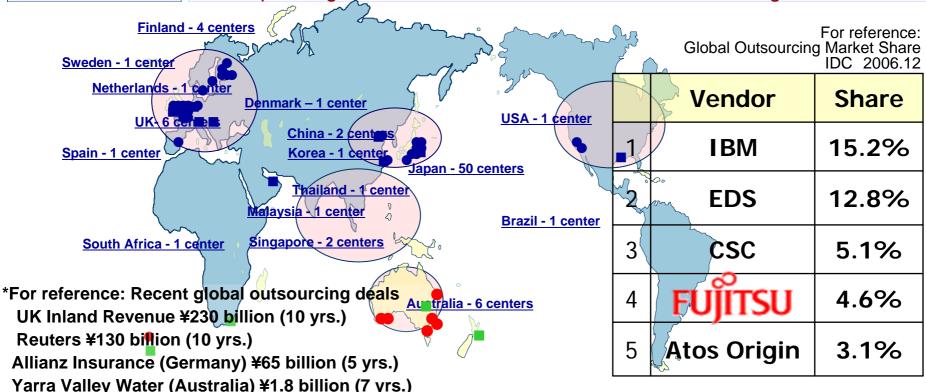
APAC

Expanding outsourcing affiliates (Korea, Thailand, Singapore)

Transfer of know-how from Japan, verification of offshore service

Europe, Americas Sharing know-how in advanced areas of specialization

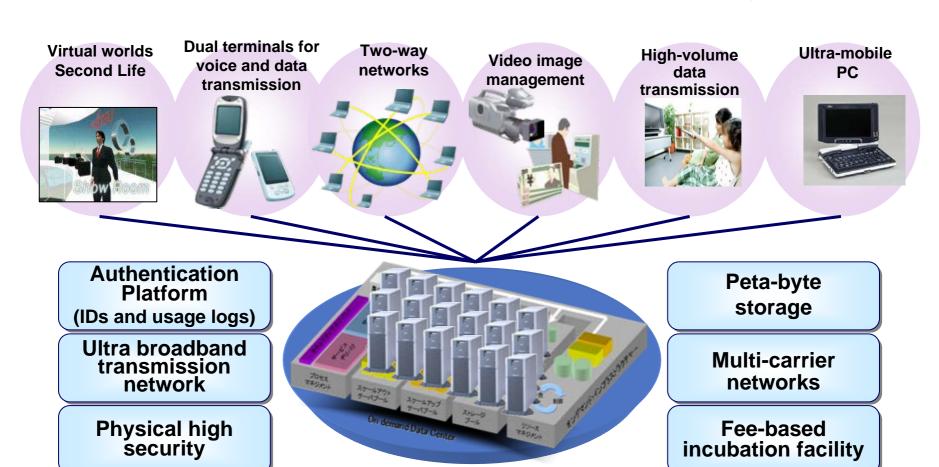
Exchanges of high-level managers, standardization of various operating frameworks, business deal evaluation meetings



Role of the Data Center in the Network Era

Advances in networks are bringing individuals closer to business

A platform providing consolidated security and content management of multiple user environments is what is necessary



In Conclusion

Going forward, value-added outsourcing services that combine operational, product, and environmental technologies will become even more important



We will leverage our unique strengths to pioneer new business areas in pursuit of further growth in our outsourcing business

For Reference: What is Outsourcing?

Customer Issues

Improve planning

More stable operations

Reduce Costs





Management Approach Alternatives

Definition:

Refers to the practice of <u>contracting out or sourcing from</u> <u>outside vendors</u> specific management functions or resources, such as general affairs, HR administration, sales, and manufacturing.

Definition in the IT Field:

Refers to <u>strategically contracting</u> to have an outside vendor design, provide or operate IT systems.

IT Outsourcing in General

Application Development

Consulting

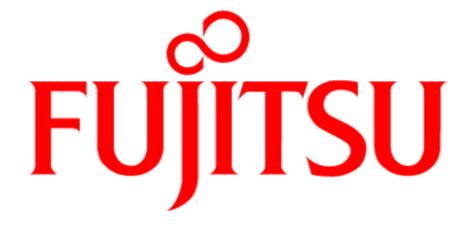
Maintenance

Basic IT Outsourcing

Data Center Outsourcing
Onsite Outsourcing

Network Outsourcing

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