



# TRIOLE

~ Fujitsu IT Infrastructure ~

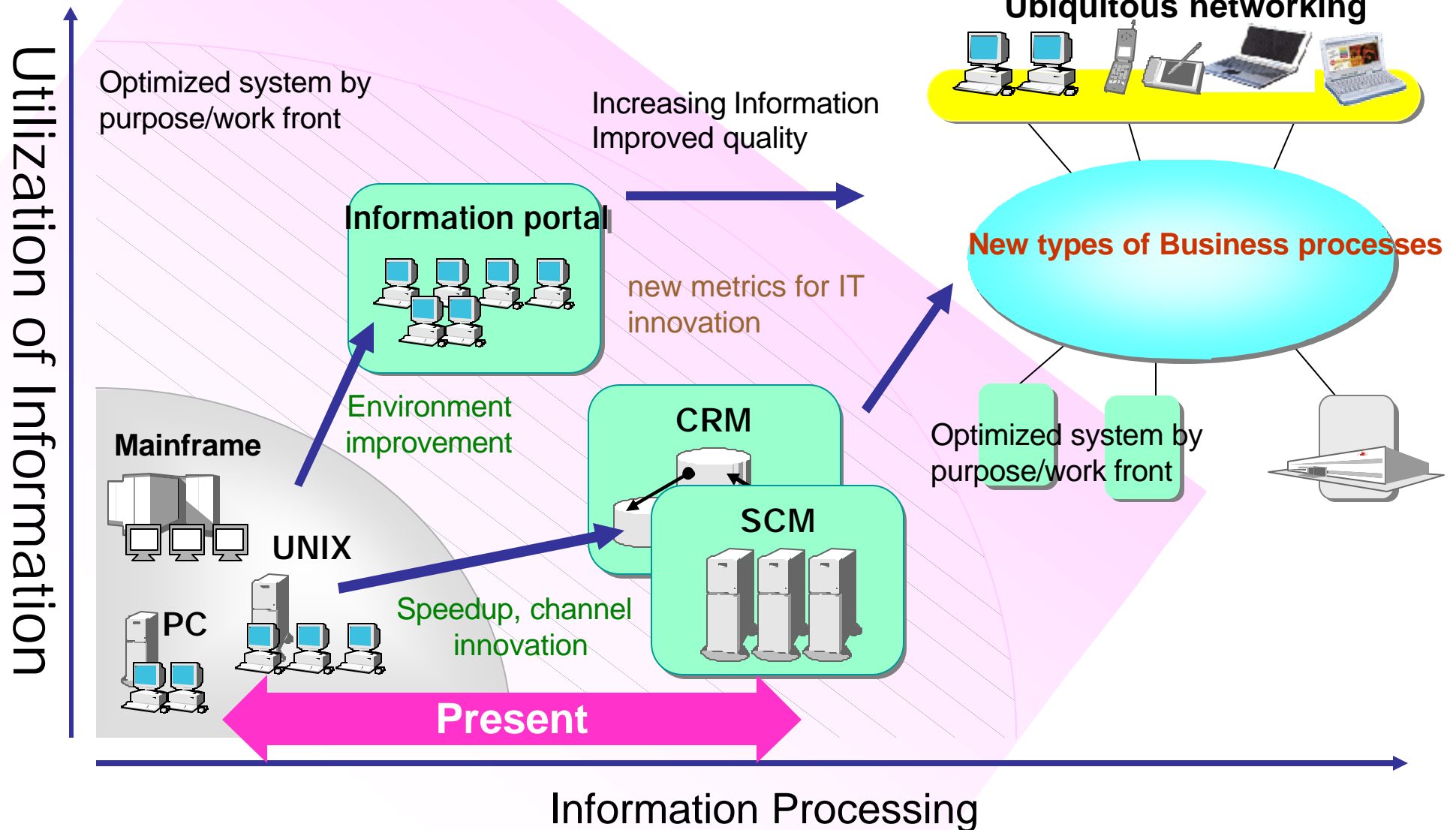
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**FUJITSU Limited**

# Current trend of Information Systems

~ Fusion of systems optimized individually ~



# Customer expectations toward IT system

- ❑ Services oriented integration (people, process, information)  
In B and B to B creates a new value.
- ❑ System development with good use of existing IT asset  
(Not forklift replacement, but extension and incremental addition)
- ❑ Rapid system expansion along with business growth
- ❑ Reduction of operation costs

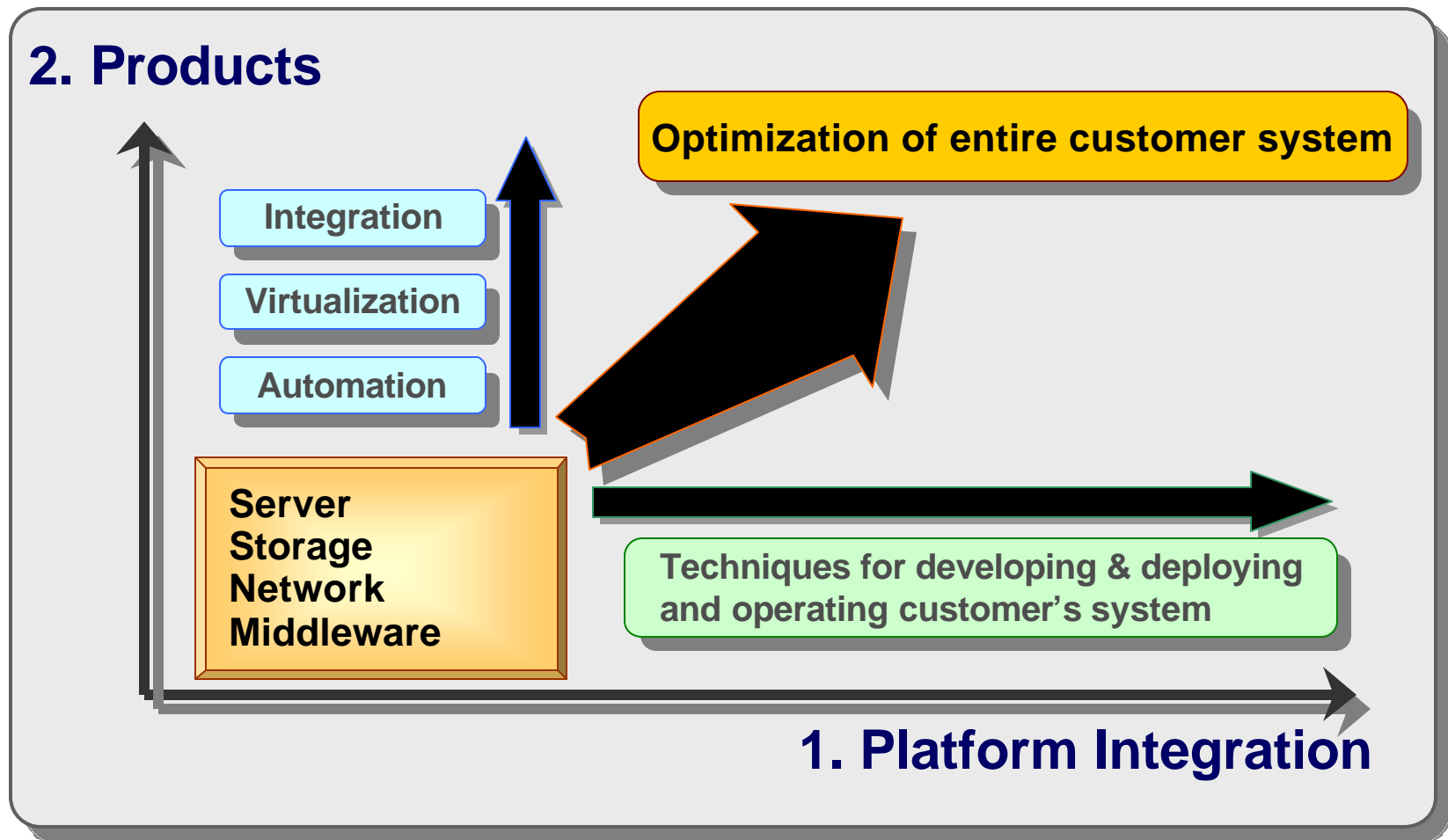
## **TRIOLE**

**Business  
Agility**

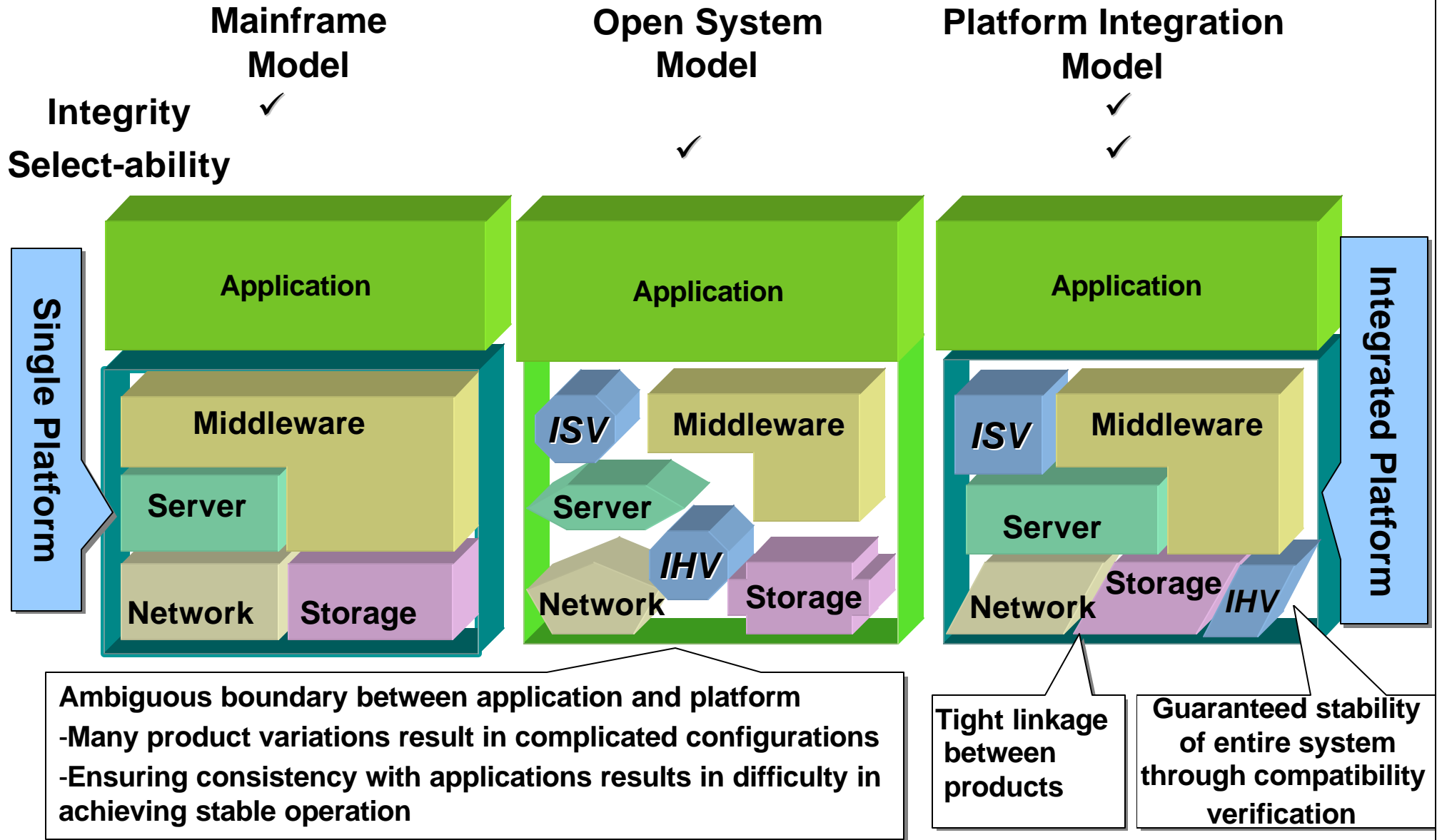
**Rapid development &  
deployment of business  
applications**

**Stable & reliable systems  
and reduced TCO**


# Evolution toward a new IT infrastructure



# Integrated Platform



# ISV: Independent software vendor    IHV: Independent hardware vendor

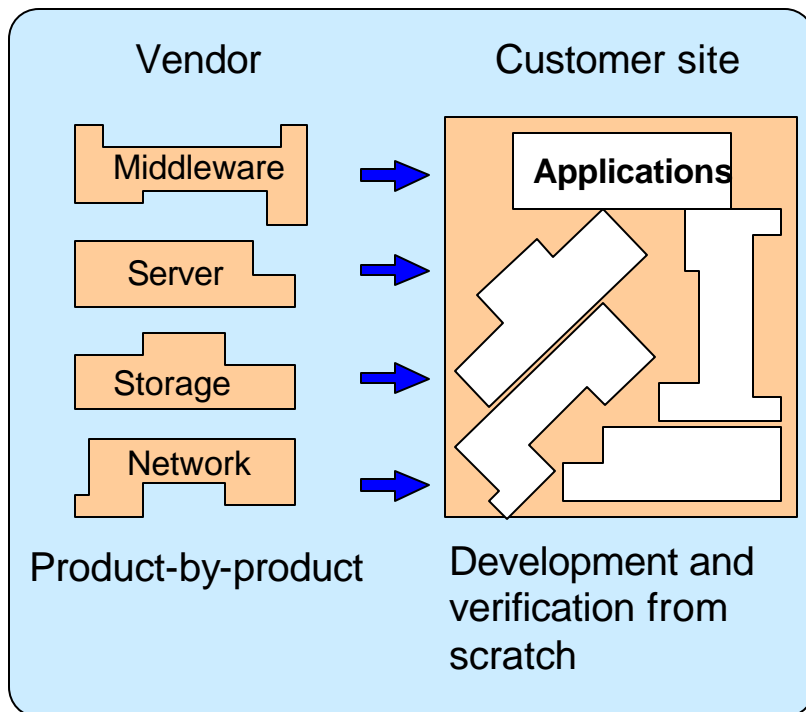


# Model of Platform Integration

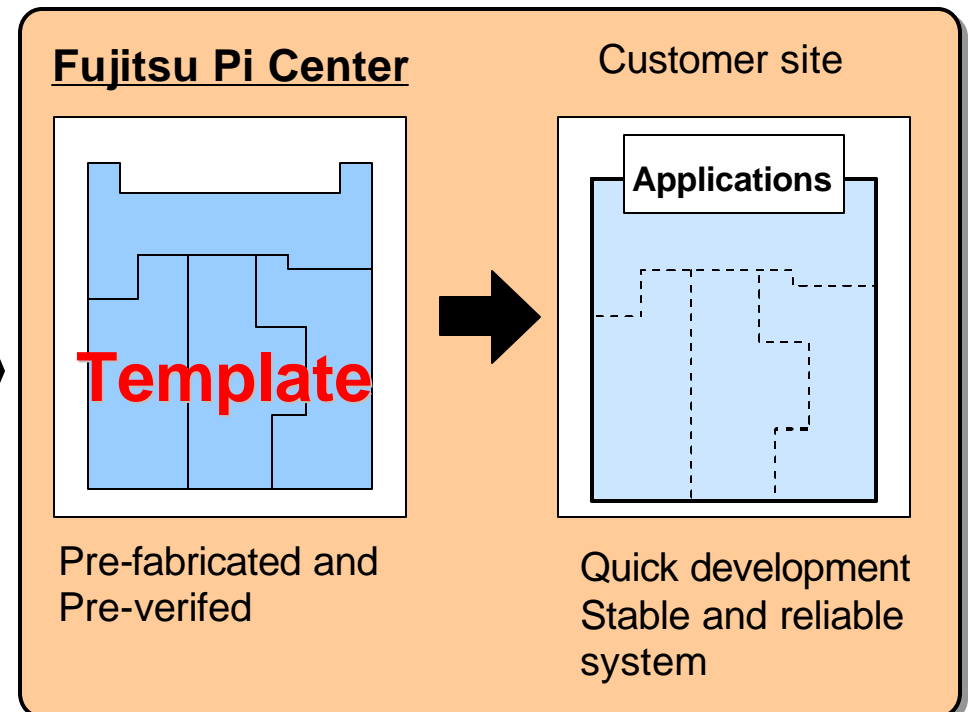
# Platform Integration

- ❑ Customer requirements: Quick development of high-quality & robust platform
- ❑ TRIOLE's approach: Patterned, building blocks and fabrication

Existing method



TRIOLE's method

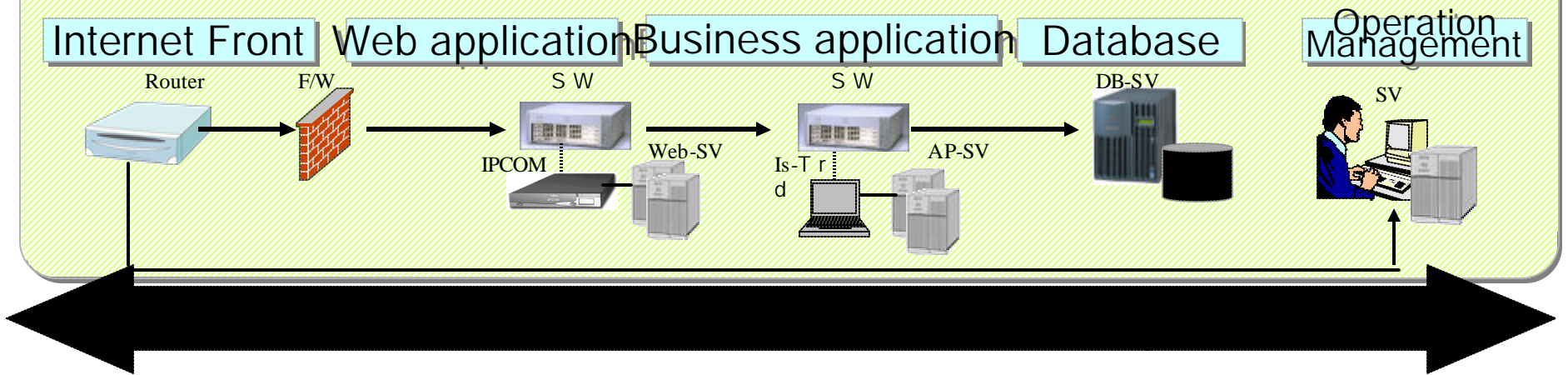


# Pi-Template

**Integrate other vendor's products**

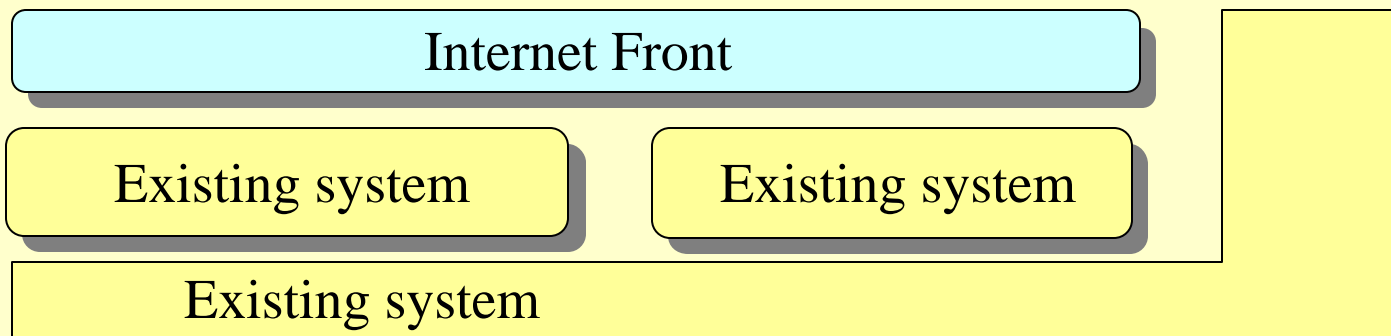
(Microsoft? Sun? RedHat? ORACLE? BROCADE?  
Cisco? ???),

**Basic Pi Template: System is divided into basic functional blocks**



**Hi-quality system can be constructed with the building block development**

**Example: Add-in to the legacy system**

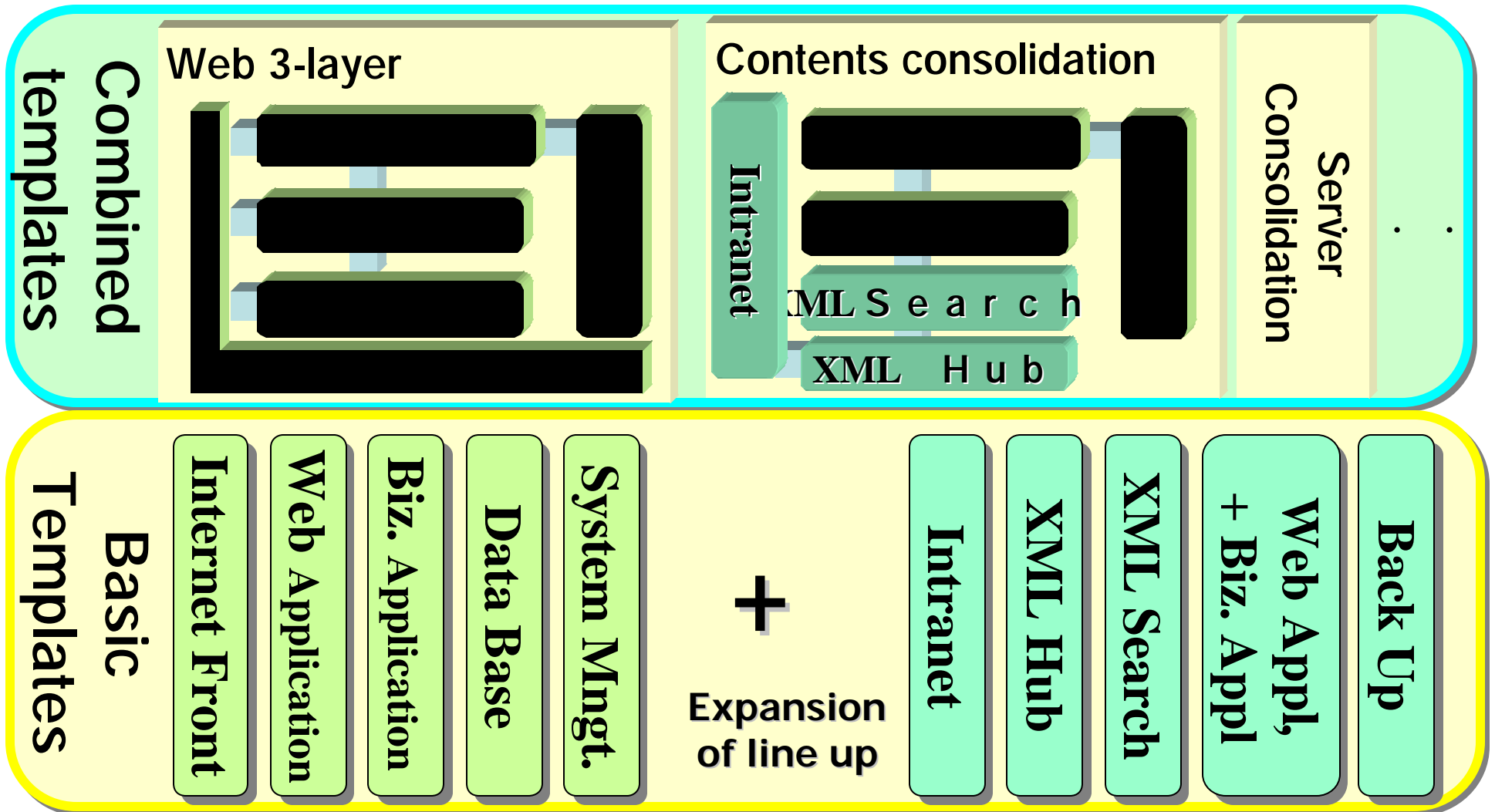


Pi : Platform Integration



# Pi-Template Deployment

- Expand line-up of templates based on analysis of the customer's needs and provide the combined templates suitable for different purposes

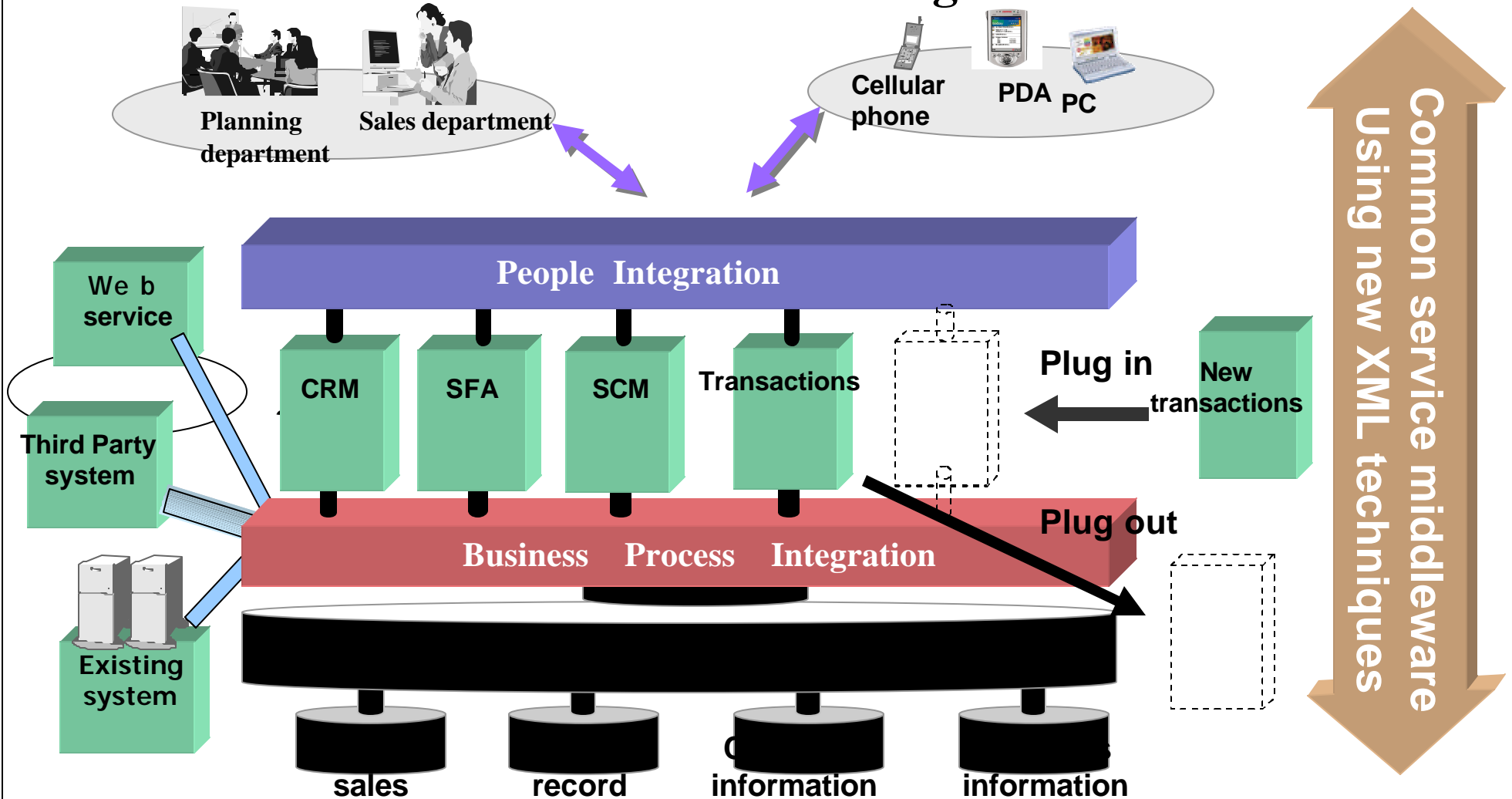




Enhancement of the Basic Products

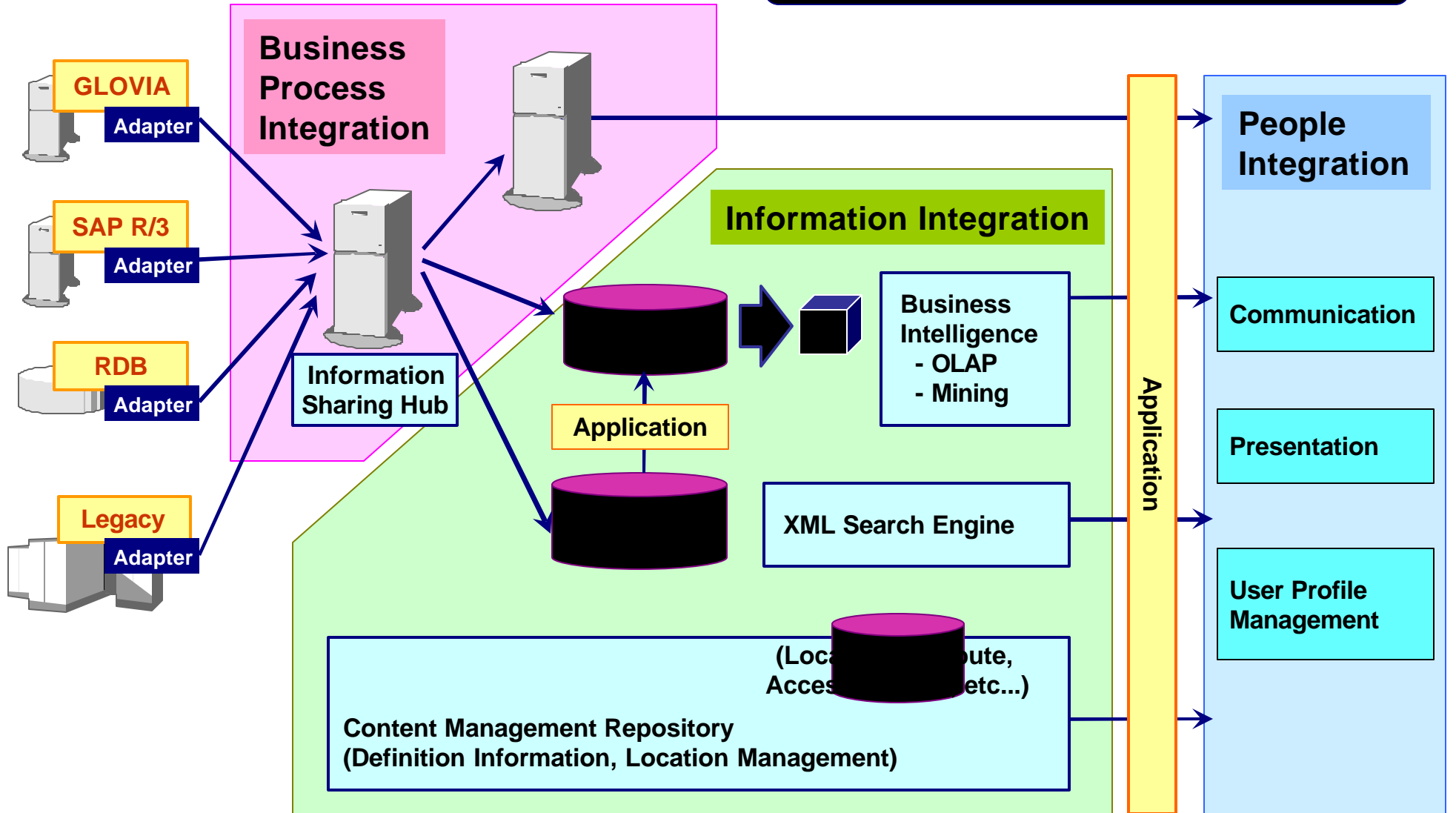
# Toward "Business Agility"

## Service-oriented Integration



# Service Oriented Integration

## Service Integration



# High Speed XML Data Search

Thousands of institutions have individual data formats.

-> difficult to search

Required search for different mixed databases

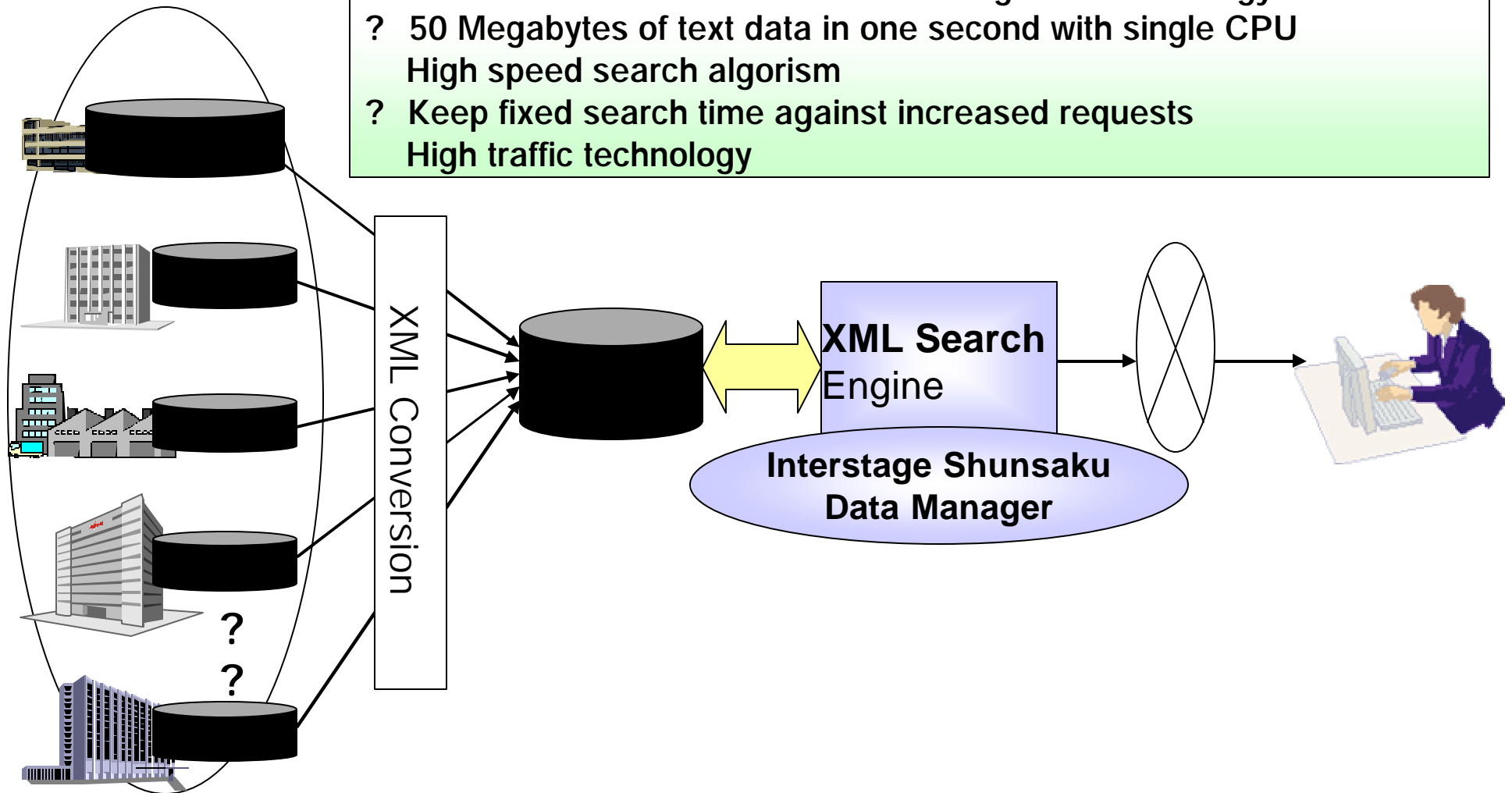
? Flexible and consolidated search using XML technology

? 50 Megabytes of text data in one second with single CPU

High speed search algorithm

? Keep fixed search time against increased requests

High traffic technology



# Toward "Stable Operation and TCO Reduction for the System"

Mission

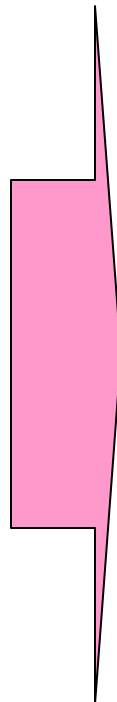
24 × 7  
Stable Operation

TCO Reduction

Approach

Establishment of Quality Chain

Autonomous System Infrastructure  
(optimization of resource utilization)



# Quality chain from component level to system level

■ Feedback of customer requirements

**System level** ⇒ **Non-stop business**

- Management of entire system
- Optimization of system resources

**Products level** ⇒ **Non-stop products**

- Cluster system
- Redundancy of storage/network
- Online expansion

**Equipment level**

⇒ **High-reliable equipment**

- Redundancy of components
- Hot-swap

**Parts level**

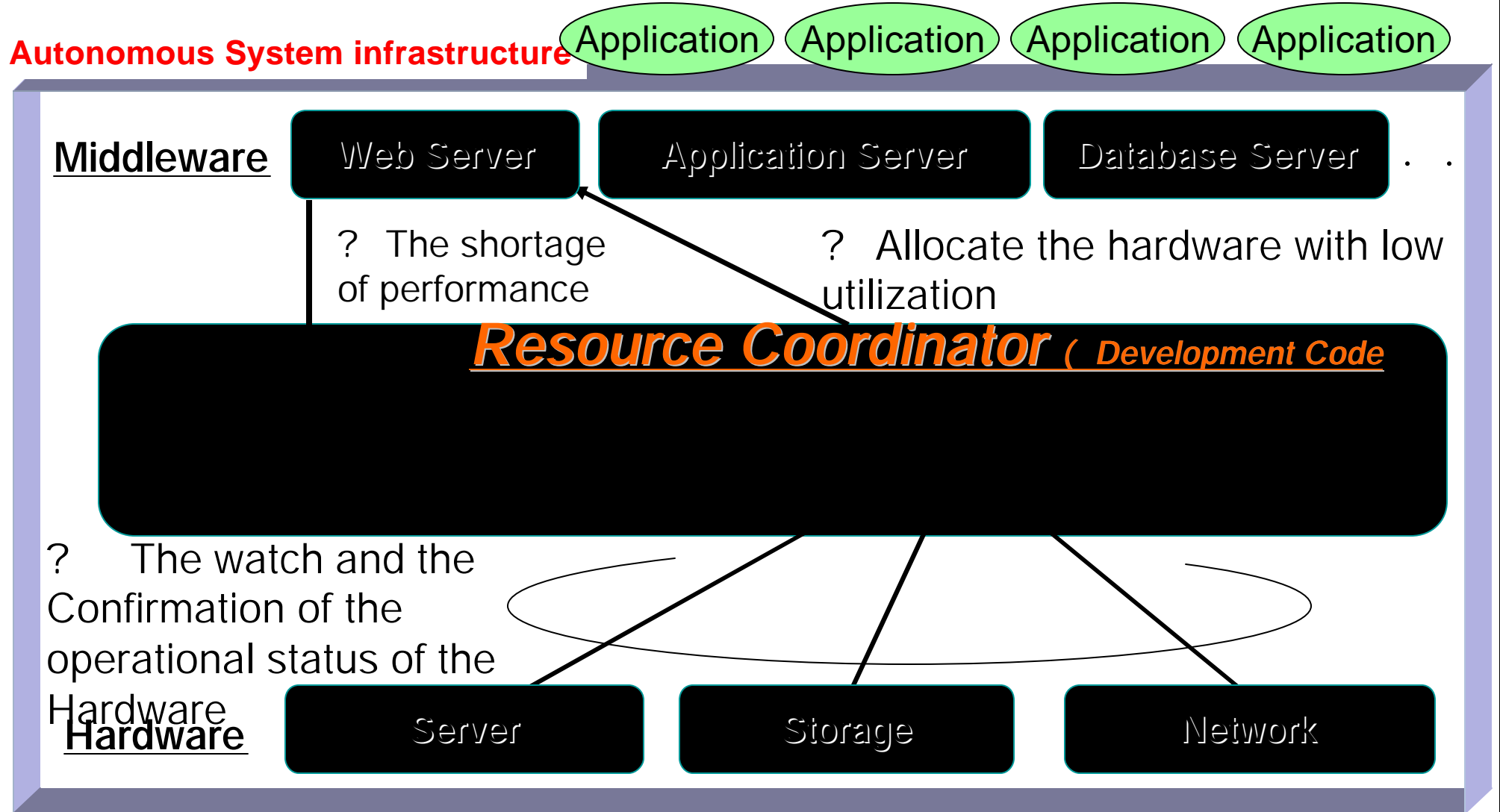
⇒ **Guarantee of data integrity**

- Adoption of high-reliability design parts
- Environmental/life tests

■ Accumulation of reliability

# The Autonomous Systems Infrastructure

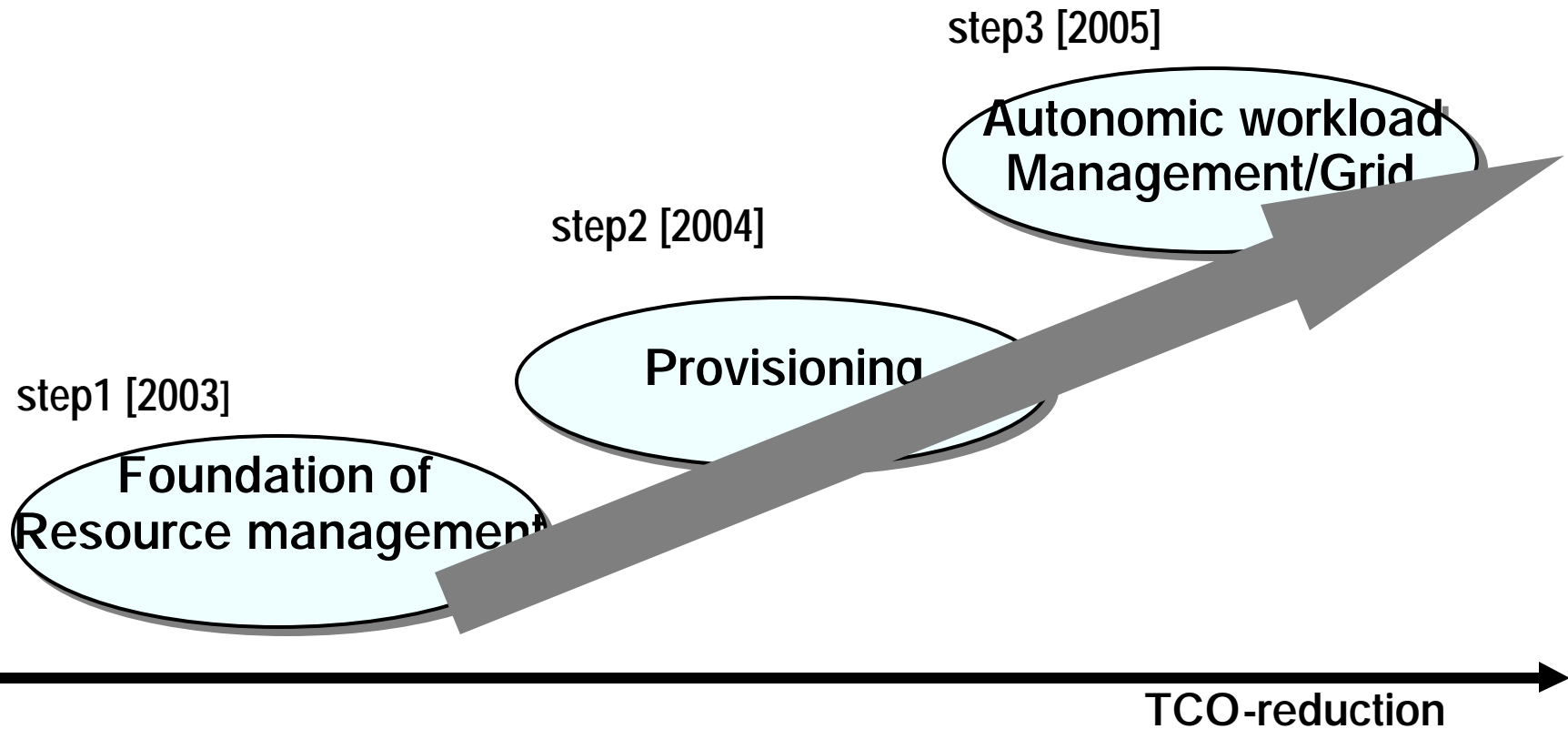
(Optimization of resource utilization)





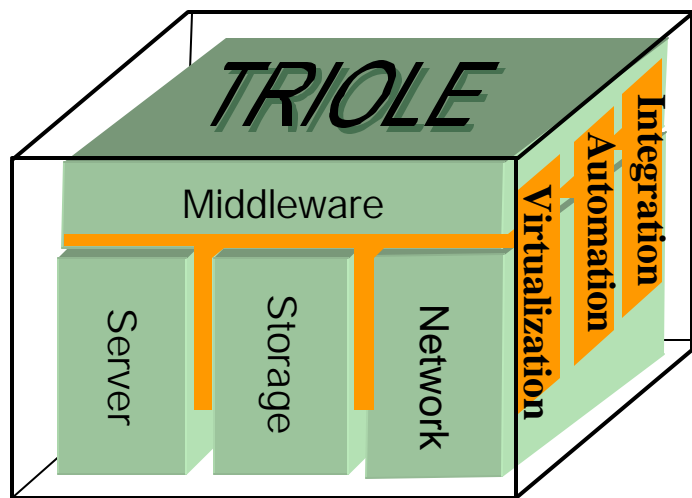
# Road Map of Autonomous Systems Infrastructure

Service level



# TRIOLE

**TRIOLE is a Fujitsu IT infrastructure vision that drives down costs by integrating existing technologies, improving business processes and designing for future expansion.**



**Fujitsu will optimize customer IT resources using the TRIOLE core technologies of automation, virtualization and integration.**

**TRIOLE assimilates server, storage, network and middleware products in a cohesive, stable system.**