



# IT/Software helps Industry Innovation

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Industrial

The National Institute of Advanced Industrial
Science and Technology,

Open Innovation by Gov./Univ./Industry Agenda Conflict and Innovation From own to Use Usership in Industry Other conflict Bigdata (to be displayed)

UNIL

KYOTO B JAPAN

NDED

Collaboration by
Trice Study Team







Researcher



# Conflicts and Innovation









# Ownership to Usership in Life

Ownership Internet based Economy

Usership

**Based Society and Economy** 

**Based Society and Economy** 

# Sharing Technology = Enabler

Cost saving by Sharing Infra

Knowledge Sharing in **Cost Reduction** 

Cost Reduction by CAPEX to OPEX

**Ouick Start and** Agility in Startup

Safety and Reliability

**Data Governance** 

Stress-free by less responsibility

Participation in a community

Resource Consumption

Peak Shift and Levelization

Knowledge Sharing

Green<sub>4</sub>

**Usability** 

Satisfaction

Cost

# **Usership**" in Industry



### **In-house**

#### **Manufacturing**

Material Management, Stock
Management, Facility Management,
Production Management

tion Management

CEM

#### R&D

Intellectual Properties, Patent Management, Innovation

# Sales and Marketing

Sales, Marketing, Logistics, Supply Chains

"Fabless"
EMS
OEM

**Outsourced R&D** 

"Crowdsourcing

Shared Logistics
Multi-tenant
e-Commerce

## XaaS

Production as a Sercice

R&D ad a Service

Sales as a Service

### Ownership or Usership

- Buy Product (ex. Energy Efficient Server)
- Buy Service (ex. Cloud Computing)

#### Divide or Growth

- Everyone all at once (no divide)
- A Small Group first, then everyone

#### Sustainability of "Sustainable (Green) Business"

- "Green" is the source of competitiveness
- Collaboration and "Open Model" are more important

These conflicts have not been significant issues while economy is growing.

# $C_{Ontact}$

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# Big Data ID Federation Business is blooming in Japan

