ICT for Society and Happiness


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SECOM Group Overview

Founded: 7 July 1962

Common Stock: JPY 66,377 Million

Number of Group Companies: 199

Number of Group Employees: 57,957

International operations: 21 countries/territories

Consolidated Revenue: JPY 881 Billion

Consolidated Ordinary Profit: JPY 135 Billion

Number of Contracts: 2.72 Millions

(as of March 2016)
Our Corporate Philosophy is “Realizing the Social System Industry” to create a secure, convenient and comfortable society through the integration and fusion of seven services based on Social Design.

In a word, rely on SECOM in any troubles
SECOM’s “OMOI (想い)”

We, SECOM, have “OMOI (想い)” – Will to act for people and their happiness.

By focusing “OMOI” to our customers appropriately, we have created SECOM’s culture, “Building up good services for society”.

“OMOI” makes us think over what are worrying customers.
“OMOI” makes us think over how customers are delighted.

This is how we have been offering a variety of services steadily for 54 years, since our establishment.

When we consider the present and the future, very important issues are: “Security”, “Super-aged society”, “Disaster Prevention”.

SECOM have a firm “OMOI” to create much better service in these important fields.
“OMOI” and Power to realize it

- Strong “OMOI” to society.
- Power to realize “OMOI”

Social Design based Vision of SECOM
Cutting-edge Technology for People and their Happiness
SECOM’s Philosophy in R&D

■ Amplifying the valuable capabilities of “human”

HUMAN should be always in the center. then, any technologies should be for HUMAN as tools. HUMAN do what human should do. All other tasks done by technologies.

■ R&D based on “Fundamental Operation Processes”

Fundamental Operation Processes (FOP)

Finding “Small Changes” accurately.
Understanding the “Meaning of Changes.”
Responding effectively based on the “Meaning of Changes.”
SECOM’s Security Service has Amplified Human Capabilities

The number of subscribers: 2 millions

If operated only by manpower: 20 millions security guards!? SECOM’S security guards: approximately 20,000.

Service Engineering

Systems for monitoring and information control

People can concentrate on the unique ability of human

SECOM amplified human capabilities to 1,000 times
Basic Example of FOP: SECOM’s Online Security Systems

Detect incidents • Understand the precise situation • Respond as fast as possible.

Integration of human and technology
- Around-the-Clock monitoring by Sensor Network.
- Analyzing and quick action by human.

STEP1 Detect incidents
- Collect
  - Camera
  - Sensor

STEP2 Understand the precise situation
- Integrate

STEP3 Respond
- Dispatch
- Direction
- Decision
- Send

Detect incidents
Existing Sensor Network to Find Changes

More than 60 million sensors to find changes quickly
Social-Design with IoT・Big-Data・AI
True value of IoT: Finding “Small Changes” accurately

- Houses, Office, Doors, Windows
- Moving People
- Health
- Everyday life
- Environment, disaster
- etc. …

Reinforce the Fundamental Operation Processes
Finding “Small Changes” accurately.

Service Innovation to amplify the human capabilities
True value of Big-Data: Understanding the “meaning of changes”

Reinforce the Fundamental Operation Processes
Finding “Small Changes” accurately.
Understanding the “Meaning of Changes.”
Collaboration of different fields gives social value to IoT & Big-Data

- Houses, Office, Doors, Windows
- Moving People
- Health
- Everyday life
- Environment, disaster
- etc. ...

IoT

Big Data

Security Guards

“Omoi” of people

Intelligence of professionals

Service Engineering

Insurer

Manufacturer

New Technologies

Administrative action

International Standardization

Government

Researcher

Professional of Geographical Information

Information engineer

Reinforce the Fundamental Operation Processes
Finding “Small Changes” accurately.
Understanding the “Meaning of Changes.”
Responding effectively based on the “Meaning of Changes.”

Service Innovation to amplify the human capabilities
Relation between “Physical” and Cyber

Physical

IoT etc.

Spatial Information Technology etc.

Cyber

Reinforce the Fundamental Operation Processes
Finding “Small Changes” accurately.
Understanding the “Meaning of Changes.”
Responding effectively based on the “Meaning of Changes.”

Service Innovation to amplify the human capabilities
Relation between “Physical” and Cyber

Physical-Cyber-Physical System (P-CPS) is essential for “Social-Design”

- Reinforce the Fundamental Operation Processes
  - Finding “Small Changes” accurately.
  - Understanding the “Meaning of Changes.”
  - Responding effectively based on the “Meaning of Changes.”

- Service Innovation to amplify the human capabilities

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Keystone of P-CPS: Accountability and Traceability

- "Information" is derived from physical "Entity."
  "Information" can be separated from "Entity." (ex: writing⇒printing⇒Internet)

- "Information" is ambiguous due to such separation.

Traceability and Accountability of "Information" must be assured.
For Society and Happiness

What we need:

■ CPS → P-CPS

■ “Social Design”

■ Collaboration with the industry, government and academia etc,

■ Promoting the Open-Innovation internationally

International Standardization &….
Thank you for your kind attention.