

A Road to Social Innovation

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ABSTRACT

Sanden corporation is a global manufacturer for environmental technologies of heating and cooling of air-conditioning, compressors as automotive parts and housing and vending machines. Recent sustainable technological innovation of the company include its CO2 heat pump developed at its environmentally friendly plant and global center of technology, which are important constituents of Sanden Road, that is provided over decades as the company leadership developed quality management infrastructure. This paper discusses Components of Sanden Road and Sanden's corporate philosophy and how the applications influenced the R&D in sustainable technologies.

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SANDEN CORPORATION

Establish : 1943 <73 Years>
Capital : 11 Billion Yen
Ann. Sales : 310 Billion Yen
Employee : 15,000 Employees
Base : Tokyo HQ / Domestic Plants
Global 23 countries, 54
Locations 27 Plants

MAJOR BUSINESS UNITS


【Auto Parts】



Compressor and Air Conditioners


【Vending Machine】

Hot & Cold



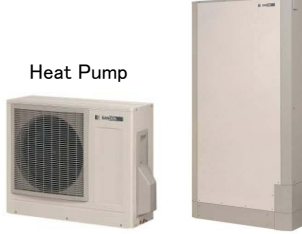
【Show Cases】

Freezer & Refrigerator




【Living & Environment】

Heat Pump




【Electronics】

Card Reader




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GATHER GLOBAL ENGINEERING RESOURCES

World 4 pole system Overseas 23 countries, 54fronts




America Area

- ROD
- SIA
- SVA




Europe Area

- TCE
- SME/TCF
- SMP
- VDI
- ISI




Japan Area


- TSA
- SSA
- SDC
- SIT



TCA



TCE/TCF



SGCT

ASIA Area


- PVL
- SRT
- STC
- SAM
- SIM
- SIS

China Area

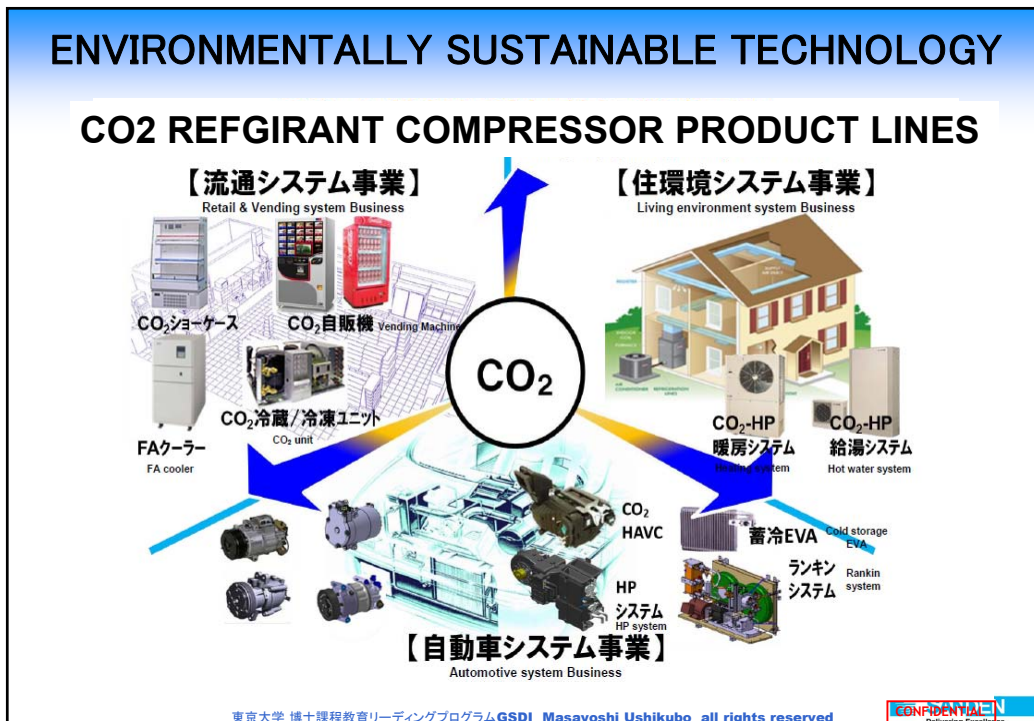
SGCT 180

Synthesizing All Power of 1,000 R&D Engineers in Global Network

東京大学 博士課程教育リーディングプログラムGSDI Masayoshi Ushikubo all rights reserved







REASONS FOR ENVIRONMENTAL

Environmentally Sustainable Technology As Our Core Competence

Growth Strategy focusing on the success of Environmental Technology.
Heating & Cooling Thermal Tech., Electronic Tech., Foundation Tech.


- 1 CO2 Reduction**
Reducing amount of CO2 exhaust thoroughly with new technologies.
- 2 Energy Efficiency**
Winning the competition of energy efficiency with energy management.
- 3 Smart System**
Developing "Products and Systems" with advanced electronic technology.

TECHNOLOGIES AS CORE COMPETENCE


[Environmental Technology Development]
R&D Engineers and Sanden Employees are
PROUD of state-of-the-art Technologies
[Environmentally Contributing to Society]
Employees are **PROUD** of Sanden Akagi
Forest, coexisting industry with nature,
which draws global attentions and praises

Sanden Road

LONG TIME
HISTORY OF
ACTIONS AND
COMMUNICATION



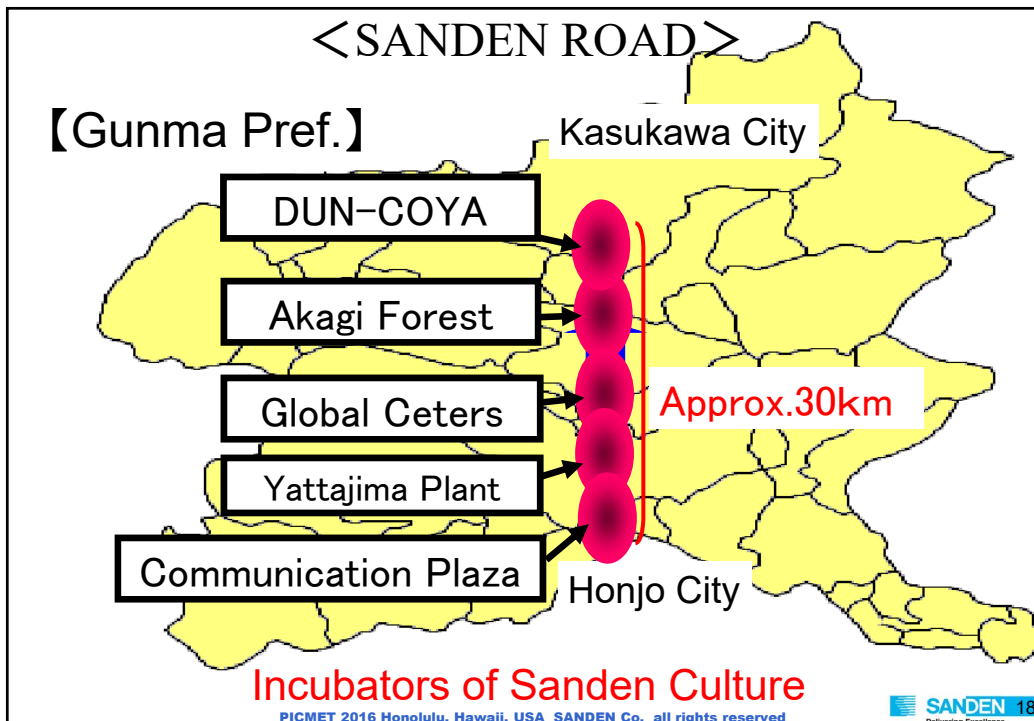
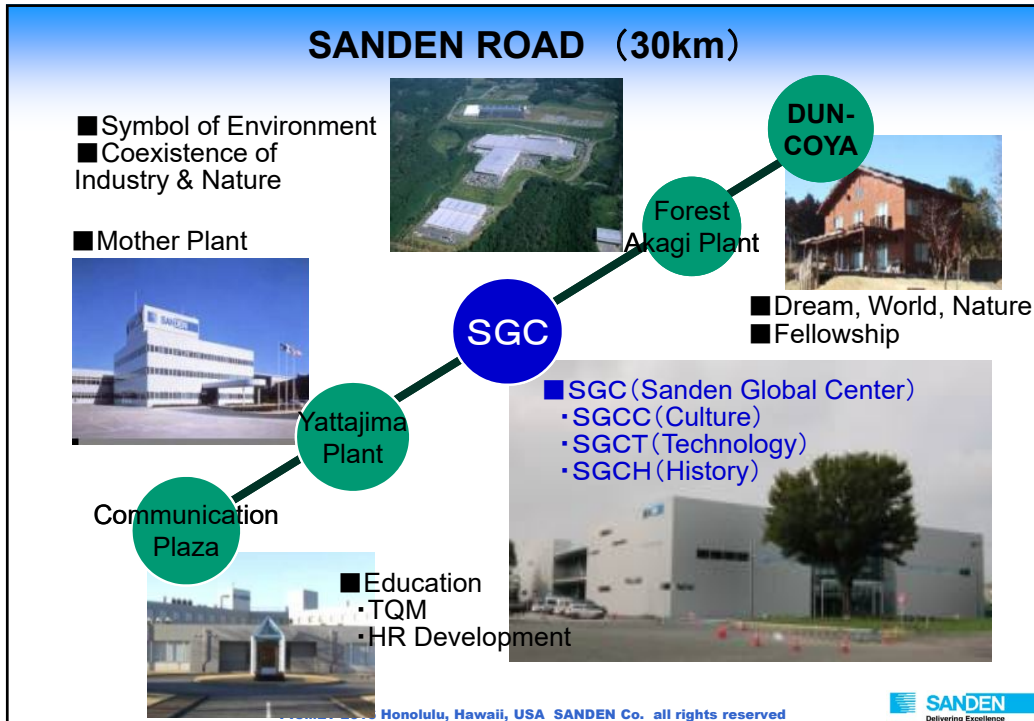
SANDEN ROAD

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- ① Communication Plaza: Quality
- ② Yattajima Plant: Manufacturing
- ③ Global Centers: Culture, Technology, History
- ④ Akagi Forest: Environmental Sustainability
- ⑤ DUN-COYA : Sharing Dream, World, Nature

Dream Universe Nature
Cottage Of Young Associates

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TQC-TPM Education Facility

Sanden Communication Plaza (Est.1992)



Yattajima Plant (Isezaki City)



Manufacturing Center

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AKAGI FOREST (Maebashi City)



SANDEN for Environmental Sustainability

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DUN-COYA: Place for Fellowship

Sharing Own Dream, World, Nature



Fellowship (Communication)

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The Lessons Learned

- Local education board designated Sanden forest as a facility where all students are to visit.
- OECD introduced **Sanden Corporation, Akagi Plant (Maebashi, Japan)** as an sustainable manufacturing good practices on its web page of case: manufacturing in harmony with nature

<https://www.oecd.org/innovation/green/toolkit/sustainablemanufacturinggoodpractices.htm#sanden>

Conclusion

“Dreams come true” and “first class” means that people gather and prosper together, and to become a global center of centripetal and outgoing force

Dream, Hope, Vision from Actions and Communication

BY

- Broad View of the World
- Global View
- Variety of Experience
- Sharing ideas with many People

“Dream” comes true

Perform at **“First
Class”**

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