

NEDO's Activities Regarding Smart City

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What is NEDO?

New Energy and Industrial Technology Development Organization

Governmental Organization specializing in R&D project management
【Personnel】 Approx. 900
【Budget】 Approx. 160 billion JPY(20 trillion IDR) (As of FY2018)

Mission of NEDO

- Addressing energy and global environmental problems
- Enhancing industrial technology

Positioning of NEDO



NEDO's Technology Area

Basic Research

Technology Development

Demonstration



Renewable energy



Energy conservation



Materials/
nanotech



Electronics



Energy storage



Smart community



Environment/
clean coal



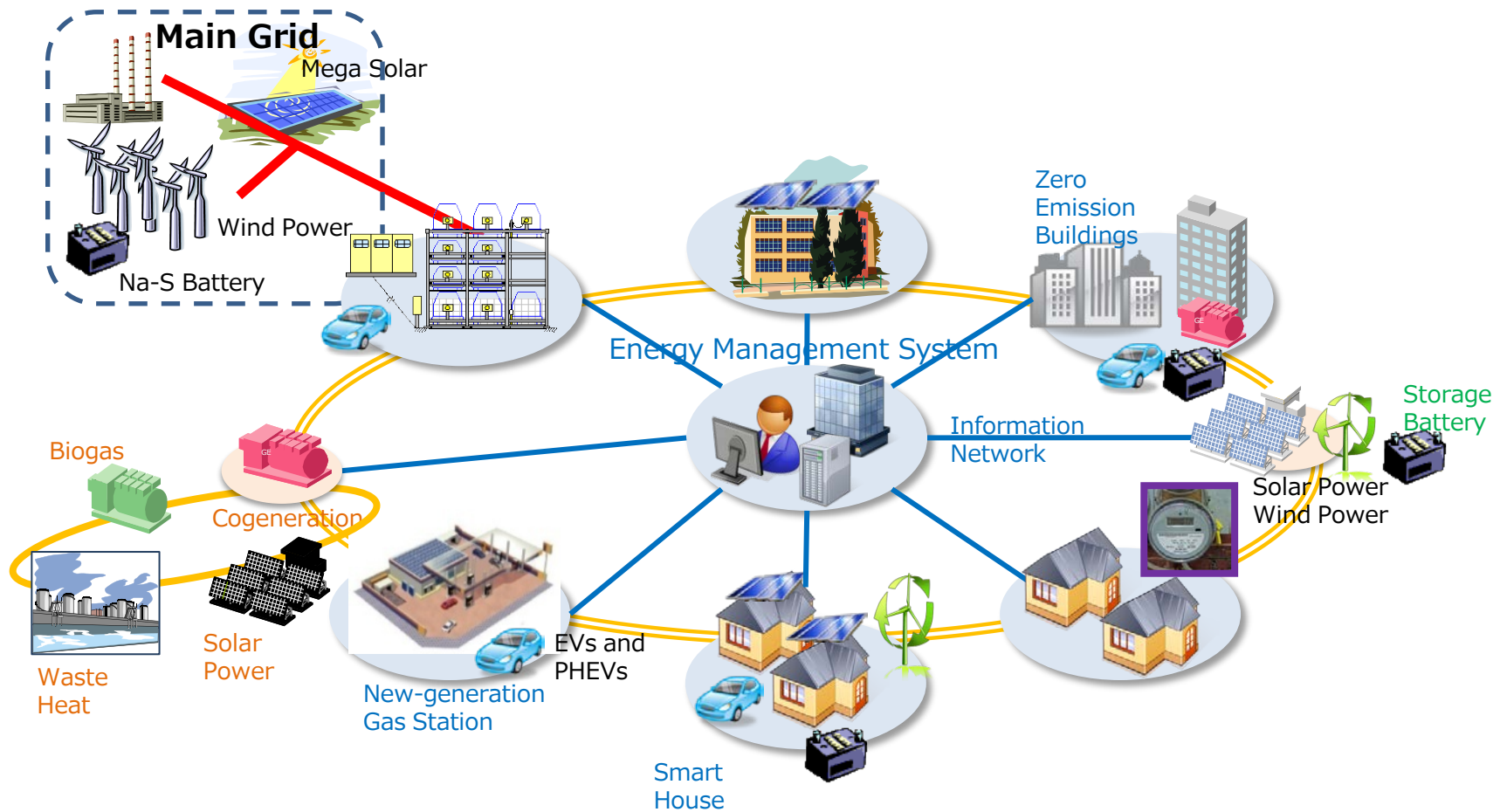
Robotics



AI / IoT

NEDO's Concept of Smart Community

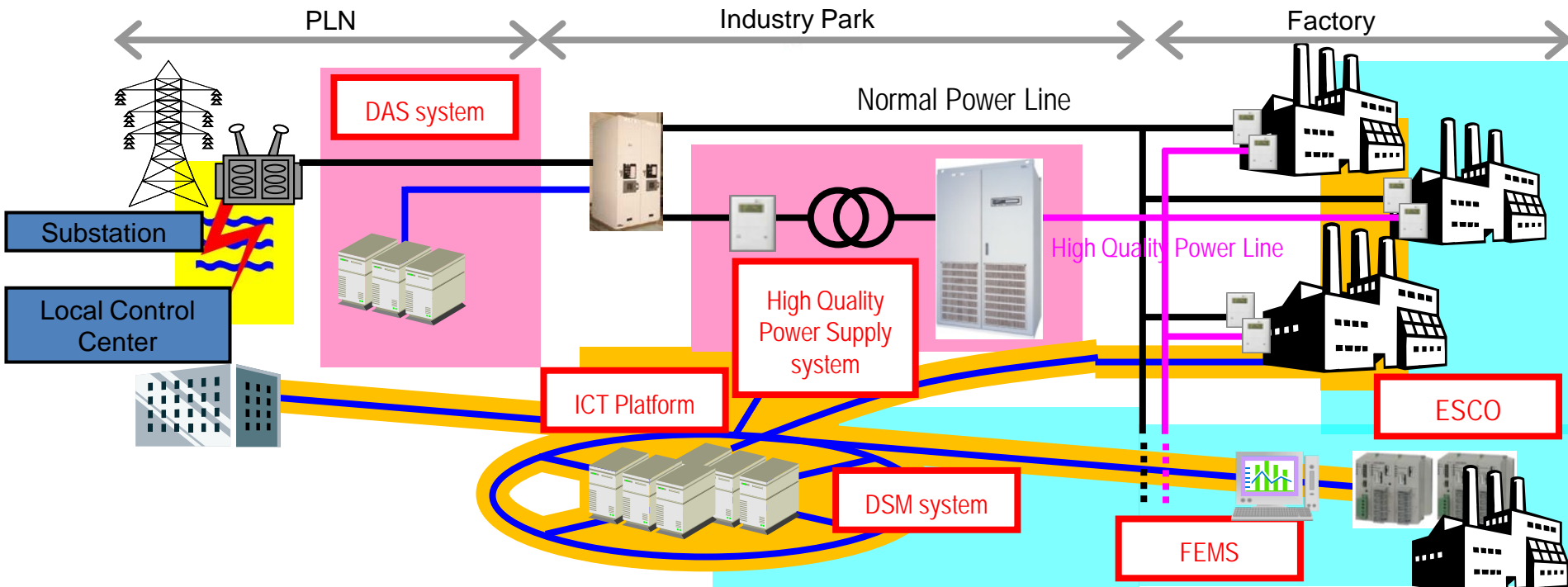
A smart community is a mechanism to use energy intelligently by sharing data in both directions between the supply and demand sides of the system using ICT.



Demonstration Project in Indonesia

Demonstration Project in the Java, Indonesia -Smart and Eco-Friendly Industrial Park-

- Japanese technology of power quality stabilization system was be introduced. It solves the problem of voltage fluctuation and sudden outage, and actualizes a stable power supply.

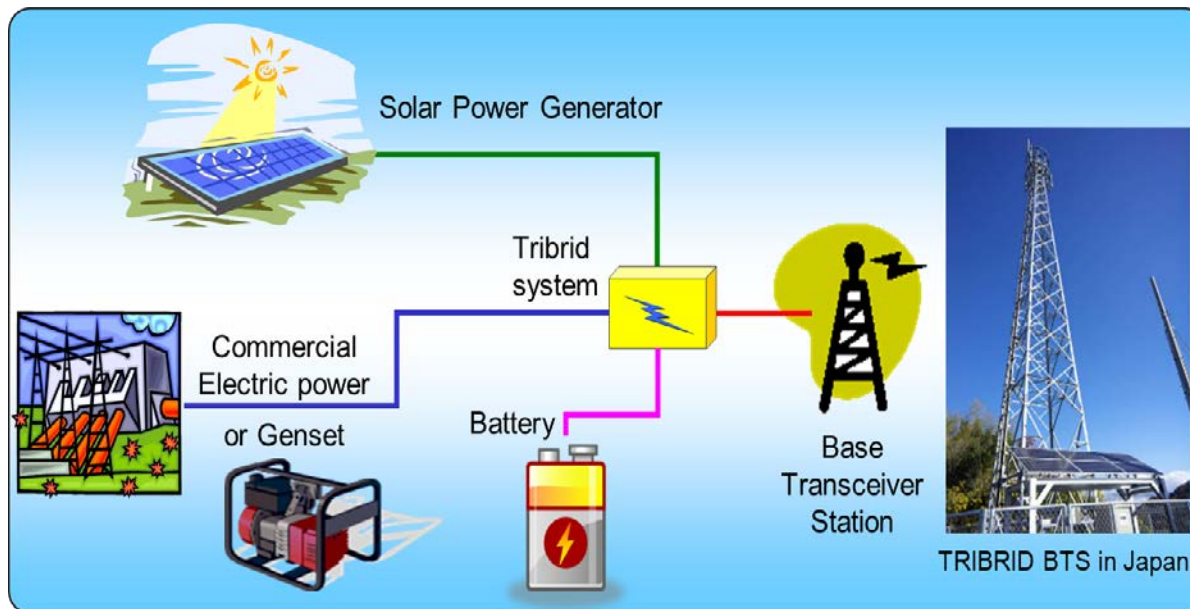


Demonstration Project in Indonesia

"TRIBRID Project" in Indonesia

—Aiming for an 80% cut in base station carbon footprint—

- TRIBRID Transceiver Stations (BTSs) make efficient use of power by alternating commercial-use power, solar power and late-night battery charging, depending on time of day and weather conditions.



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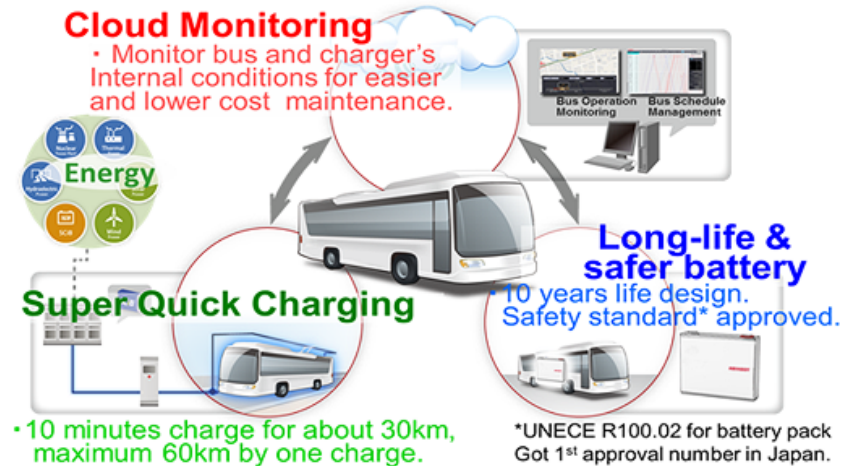
Exterior view of TRIBRID BTS
(Tana Lout Regency, Kalimantan Prov.)

Demonstration Project in ASEAN

EV Bus in Malaysia



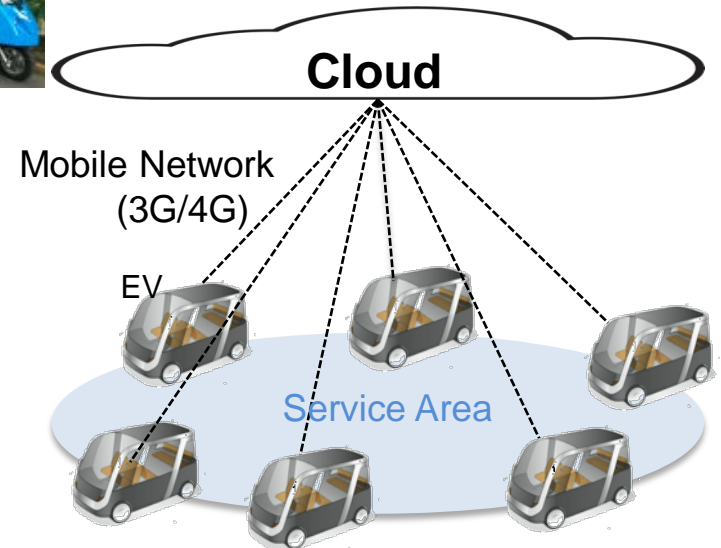
- The project aims to demonstrate EV Bus and Super Quick Charging System, reliability of battery and bus drive system in the real operational condition



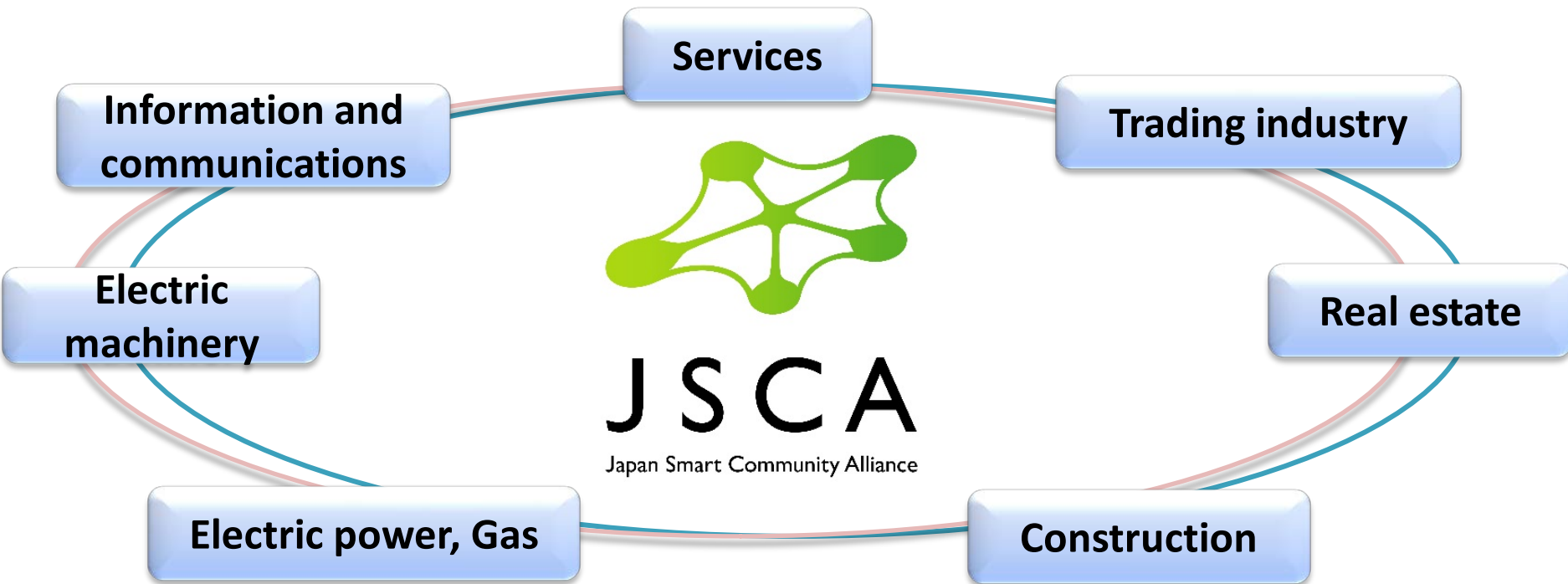
Electric Tricycles in Philippines



- The project aims to demonstrate a next-generation transportation system that uses electric tricycles in combination with an EV ecosystem that includes charging stations and a billing system



Japan Smart Community Alliance(JSCA)



Chairman: HITACHI

(Board Members)

ITOCHU, Kansai Electric Power, MITSUBISHI ELECTRIC, NIPPON TELEGRAPH AND TELEPHONE, Panasonic, SHIMIZU, Tokyo Gas, TOSHIBA, TOYOTA MOTOR

Members: 258 (As of Nov, 2018)

Secretariat:



Supported by:



JSCA's Typical Output

Conferences



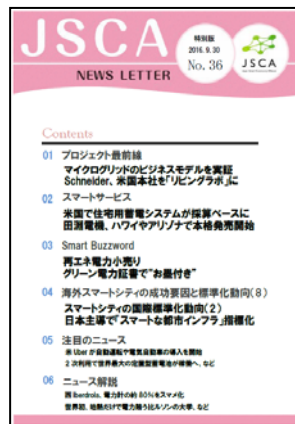
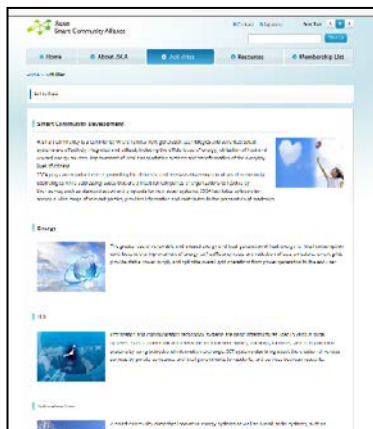
Technical Visits



Face to Face Networking



Websites/Publications



JSCA Secretariat

Email: smart-japan@ml.nedo.go.jp

For more information, please visit our site;
<https://www.smart-japan.org/english/index.html>



terima kasih!!