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

- National government and Ministry of Economy, Trade and Industry
- Policy formulation, System design
- Technology strategy proposal
- National guidelines, budgets
- Technology development management
- Project planning, operation, budget management
- Framework development
- Project participation
- Operation, assessment
- Promoting practical application
- Realizing open innovation
- Industry
- Universities
- Public research institutes
NEDO's Technology Area

- Energy storage
- Renewable energy
- Energy conservation
- Materials/nanotech
- Electronics
- AI/IoT
- Basic Research
- Technology Development
- Demonstration
- Smart community
- Environment/clean coal
- Robotics
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.
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: NEDO
Supported by: METI
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!!