POWER INFORMATION AND COMMUNICATIONS TECHNOLOGY CENTER

ENERGY SYSTEMS CENTER

MITSUBISHI ELECTRIC CORPORATION

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Aiming to create new value in energy systems

“Realizing low-cost, low-carbon energy systems with excellent stability”
“Utilizing ICT to create advanced operating systems”
“Promoting open innovation globally”
This is our mission.

Sharing power system technologies with a base in Kobe and utilizing information system and communication system technologies (i.e., ICT), the Power Information and Communications Technology Center is contributing to its customers’ businesses and creating new value for energy systems.

Elemental Technologies
We create power operation use cases and optimal business logic for the digital age, enabling us to provide advanced solutions through the integration of wide-ranging power technologies and ICT technologies.
We provide various solutions to support smart operation of power transmission and distribution networks, and expand the power market.

For advanced management of power distribution systems using the Internet of Things (IoT)

- **Large-scale IoT solution (Smart Meter System)**
  - With a supply record of over 10 million communication units for the domestic market and reliability backed by the achieved data collection rate of over 99.9%, we can commit to providing a reliable large-scale network, connecting each smart meter and the center system.

Towards advanced power asset operation using ICT

- **Asset management solution**
  - Our asset management system will add the new functions of equipment diagnosis, risk assessment and investment plan to contribute to advanced asset utilization and mid- and long-term management planning.

Towards the open and efficient operation of power transmission and distribution networks

- **Power transmission and distribution access solution (Transmission Access Management System)**
  - Utilizing the “BLEnDer” Series packaged software application, our power transmission and distribution systems provide a fair and efficient operating environment.
We have an advanced environment and facilities for the planning, development, production and maintenance of Power ICT systems:

- Server room
- POC room
- Development area/Partner company area
- Demonstration Room

Promoting open innovation

To support societies that keep changing at the global level, our aim is to create new value in energy systems through various forms of cooperation domestically and internationally.

*POC: Proof Of Concept

* Facilities include a remote maintenance room, verification room, etc.

* We are engaged in standardization activities domestically and internationally. (IEC, IEEE, IETF, CIGRE wide-area institution/business protocols, Japan Electric Power Exchange API, Echonet, etc.)