Efficient management of substation equipment operations

Substation monitoring and control systems

Stable supply of energy and advanced operation management for high-voltage equipment such as gas-insulated switchgears (GIS), oil-filled transformers, high-voltage distribution panels.

This system enables the improvement of maintenance work through future sensing, regardless of the types of equipment, devices and interfaces that are connected, including programmable logic controllers, remote I/Os, and monitoring devices.

**Benefits**

- Remote automated monitoring provides more efficient monitoring and control
- Construction of mission critical information systems enables improved management (Upgrades to cloud-based systems are possible.)

**System features**

- Field equipment and devices are connected to the host system.
- Centralized monitoring and control functions enable more efficient management of maintenance and faster response in the event of failures.
- Flexible support for automated control of equipment operations such as the system switch-overs and recovery processing required after power failures. Support for operator tasks is provided.

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* GIS: Gas insulated switchgear
[Functional overview]

■ Collection
Data from field equipment and devices is constantly collected.

■ Linkage
Linkage is possible regardless of the types of equipment, devices and interfaces that are connected, including programmable logic controllers, remote I/Os, and monitoring devices. Flexible support is provided for various sensing devices.

■ Recording
Data collected from the field can be stored on high-capacity disks in the host system, and large-scale data can be managed and stored.

■ Expansion
Field data can be transferred using our website to various terminals and devices (mobile phones, smartphones), and upgrading to cloud-based monitoring control by the host system is possible.

[Delivery track record]

Over 150 deliveries (as of September 2018)

Iron and non-ferrous metals fields
Petroleum and chemical fields
General industrial fields
New energy fields

[System configuration]

[Central control room]

[Power monitoring devices]
MICREX VieW PARTNER

[Customer’s responsibility]
Network equipment

UPS
USB speakers
Color printer

[Electrical room B]

T-LINK cable

Digital multi-function relays

[Electrical room A]

Optical SW-HUB

T-LINK cable (twisted pair cable)

Terminating resistor

Digital multi-function relays