



PowernetMaestro

Strategic Management for Electricity Networks



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PowernetMaestro

-Data entry into the system and edits via this module provided and works on a rule-based basis.

-It has advanced querying and reporting capabilities.

-Data reliability is supported by the confirmation mechanism.

-Electrical connections are created automatically during operation and can be monitored.

-Records of user transactions are kept throughout the system.

-It works on MapInfo.

The regions fed by the feeders, transformers and lines (LV and MV) defined to the system can be monitored by establishing a topology on the map. Reports on this information can be obtained. (Electricity Consumption Report-Subscriber Distribution Report Feeder's Transformers Report-Thematic Consumption Map etc.)

Powernet Maestro; It has been specially developed to integrate with other information system applications such as subscriber information system, call center, and SCADA.

PowerMaestro WEB

-It was developed in TMS structure using MapXtreme SDK.

-It is designed so that remote users can connect and work with the central database.

-Without the need for any installation and without installing any plug-ins in the browser; Users can connect to the application with their username and password from any computer connected to the Internet or to the Internet with all current browsers.

-The user can customize and save his own working file as he wishes. Changes affect only that user. The previous changes are retained the next time you log into the system.

-Users can add, delete and update electrical objects according to their authorization.



INTEGRATIONS

SCADA INTEGRATION

- ✎ Powernet Maestro easily exports network connectivity data to SCADA systems like Siemens, ABB etc.
- ✎ Changes in network information do not require manual updates of the SCADA system
- ✎ Data reliability is maintained at the highest level via double-checking before transfer to SCADA
- ✎ Powernet Maestro produces live maps according to the positions of switches stored in SCADA

CALL CENTER INTEGRATION

- ✎ Displays maps related to subscriber and network data
- ✎ Shows the customer's location on the map
- ✎ Line feeding functions can be directly called inside the Call Center app and operator visually check the area

FIELD-FORCE MANAGEMENT

- Existing network data is transferred to SCADA via Powernet Maestro.
- Changing network information does not have to be updated in the SCADA system.
- Before the data is transferred to the SCADA system, double-sided controls are passed to keep the data security at the highest level.
- Live maps are produced according to the positions of the switches in SCADA.



CUSTOMER INFORMATION SYSTEM INTEGRATION

- ✎ PowernetMaestro gets subscriber data from the customer information system and removes the need to keep the same data in multiple systems. Subscriber data can be displayed live and continuously
- ✎ Subscriber data, status, location and network connectivity updated automatically
- ✎ Subscriber addresses are derived through GIS, enables creating a geographic address database
- ✎ Load analysis per transformer: Data on cumulative subscriber consumption in a given period can be calculated by transformer, and these can be compared with data from meters in the transformers to detect loss or theft

MAINTENANCE SYSTEM INTEGRATION

- ✎ Geographically defines the due maintenance, and then network components to undergo maintenance are notified to the maintenance management system
- ✎ Can share maintenance information and maps with other organizations (local government, other utilities providers) via WMS or WFS
- ✎ Powernet Maestro automatically retrieves the real-time status of regions undergoing maintenance
- ✎ Maintenance Management Platform can generate thematic maps of the current maintenance status via by retrieving geographical functions from Powernet Maestro

MANAGEMENT OF SERVICE INTERRUPTIONS

- ✎ Provides detailed records of service interruptions and generates necessary reports via GIS.
- ✎ Displays previous service interruptions, and these can be edited and updated with related authority levels.
- ✎ Gives information on the network's past status at the exact time of service interruption, and can analyze the units affected by the service interruption and generate a detailed reports
- ✎ Provides reports on energy continuity and quality