



PowernetMaestro

Strategic Management for Electricity Networks

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PowernetMaestro DESKTOP

-  Works on MapInfo Pro
-  Ensures high quality of data through rule-based data entry and update
-  Provides advanced network analyses and reporting tools
-  Supports data integrity and reliability with multi-level approval mechanism
-  All user procedures throughout the system are logged
-  Enables defining topology of feeders, transmission lines (LV/MV) and transformers service areas can be displayed on the map, analyzed, and reported (electricity consumption reports, customer lists, feeder-connected transformer reports, thematic maps of consumption, etc.)
-  Can be integrated with CRM/Call Center, SCADA and other systems.

PowerMaestro WEB BASED

-  Works on MapXtreme SDK and TMS
-  Designed for remote users to work by accessing to the central database
-  Requires no program installation or browser add-ons; users can access the application simply by entering their username and password from any computer connected to the internet
-  Each user can customize and save their own work folder. Changes affect only that user. On the next entry into the system, previous changes remain
-  Electrical objects can be added, deleted and updated, according to the user's authorization level
-  Can be integrated with CRM/Call Center, SCADA and other systems.



INTEGRATIONS

SCADA INTEGRATION

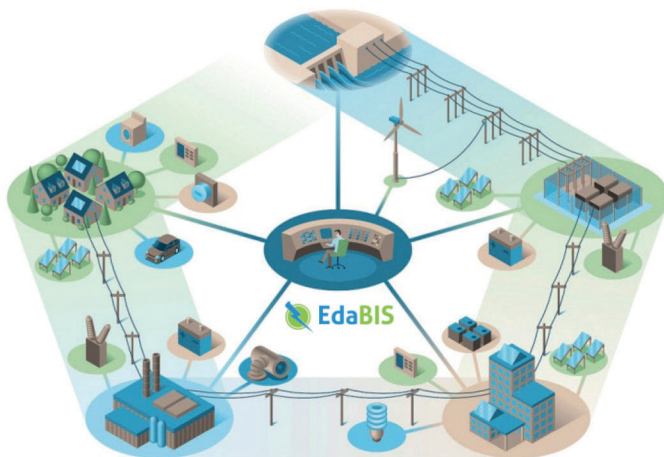
- ❏ Powernet Maestro easily exports network connectivity data to SCADA systems like Siemens, ABB etc.
- ❏ Changes in network information do not require manual updates of the SCADA system
- ❏ Data reliability is maintained at the highest level via double-checking before transfer to SCADA
- ❏ Powernet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

- ❏ Designed for field crews using tablet computers
- ❏ Can get coordinates from internal or external DGPS for new inventory and save them to the system
- ❏ Managers can set bounds to the types of procedures that users can perform
- ❏ Can work offline, and whenever connected to internet, changes are transferred to the system



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