PowernetMaestro

Strategic Management for Electricity Networks

PowernetMaestro DESKTOP

- Works on a MapInfo foundation

- Ensures high quality of data through rule-based data entry and correction

- Provides advanced analyses and reporting

- Supports data reliability through an approval mechanism

- Automatically creates and displays electrical connections the moment they become operational

- All user procedures throughout the system are logged

- Defines topology of feeder lines, transmission lines (low and medium voltage) and transformers so that areas fed by these can be displayed on the map, analyzed, and reported (electricity consumption reports, customer lists, feeder-connected transformer reports, thematic maps of consumption, etc.)

- Is specifically designed to integrate customer information, call center, SCADA and other systems

PowerMaestro WEB BASED

- Developed with the use of MapXtreme SDK and TMS

- Designed for remote users to work by accessing a central database

- Requires no program installation or browser add-ons; with any computer connected to the internet, users can access the application simply by entering their username and password

- 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

PowernetMaestro has been specially developed to integrate data from customer information system, call center, SCADA and other applications.

Akedaş araş Elektrik Dağıtım A.Ş. ADM GDZ ELEKTRİK DAĞITIM

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PowernetMaestro

INTEGRATIONS

SCADA INTEGRATION

- PowernetMaestro sends current network data to the SCADA system

- 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

- PowernetMaestro produces live maps according to the position of keys in SCADA

CALL CENTER INTEGRATION

- Displays maps related to subscriber and network data

- Shows the caller's location on the map

- Energy region functions are shared directly with the call center

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 are updated for changes in status, location and network

- Subscriber addresses are obtained in terms of GIS, thus creating a geographic address database

- Data on cumulative subscriber consumption in a given period can be defined by transformer, and these can be compared with data from meters in the transformers to detect loss or theft

MAINTENANCE MANAGEMENT SYSTEM INTEGRATION

- Geographically defines the maintenance to be performed, and then network components to undergo maintenance are specified to the maintenance management system

- Can share maintenance information and maps with other organizations (local government, other utilities providers) via web map service or web feature service

- Sends to Edabis the real-time status of regions undergoing maintenance

- Can generate thematic maps of the current maintenance status via Edabis Web

FIELD-FORCE MANAGEMENT

- Designed for field crews using tablet computers

- Can connect to external GPS via Bluetooth or WiFi

- Can get coordinates from internal or external GPS 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 when next connected, any changes can be transferred to the system

MANAGEMENT OF SERVICE INTERRUPTIONS

- Provides recording of service interruptions and generation of necessary related reports via GIS

- Can display previous service interruptions, and these can be edited and updated

- Can give 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 report

- Can provide reports on energy continuity and quality

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