

POWEL MDMS

As a result of increased use of automatic meter reading (AMR), the needs for efficient and future oriented solutions for meter data management (MDM) have been enhanced and are a key factor in efficiently operating metering and accounting. The MDM solution from Powel provides data collecting, control and correction, a central database for energy data, calculations, settlement, reports and integration with billing systems and other third party systems. It also includes work orders and meter device asset management for all kind of meter devices. For these purposes Powel MDMS software system provides you with unique combination that delivers a stable, high performance and future proofed solution.

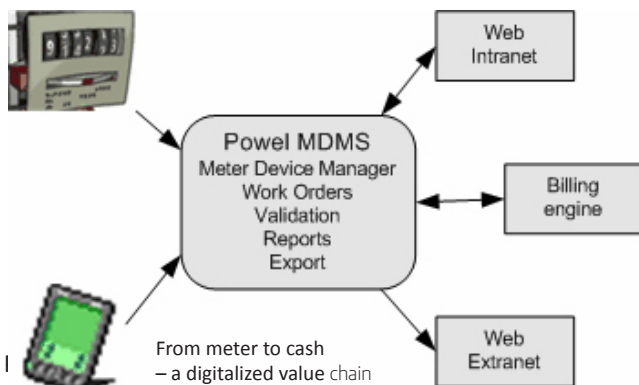
METER DATA MANAGEMENT IN UTILITIES

A key requirement to operate efficient in an open power market is access to consistent and reliable information. This ranges from meters, the power market, external companies as well as from databases with historical information. Automatic meter reading is increasing rapidly and metered information to be managed and reported internal and to other market participants represents the most important part of the process from meter to the bill.

Access to relevant and correct data at the right moment is a prerequisite for suppliers to operate efficiently in the market. It is also crucial for distributors to perform settlement, reconciliation and load profiling tasks when necessary.

POWEL MDMS – THE POWEL SOLUTION

As a market leader in software solutions for utilities in Nordic power market, Powel offers to put its considerable technical expertise, market knowledge and operational skill-base at the disposal of its utility customers. Powel MDMS validates, manages, stores, analysis, reports and exchanges the input data. The system interacts with billing system in a way that secures a seamless chain from meter to cash.



EDI-messages. It also applies API-technology and web services to interface with billing systems and customers directly. It includes file formats and protocols to collect metered data from front end systems and hand held units.

Powel MDMS supports data collection for both interval and non-interval metered data from front-end systems. Validation of all imported data is then performed, based on a suite of test rules including interpretation of status codes from frontend systems. All values tested to be suspect, missing or having an error are then corrected by running through a suite of standard or customized methods. Version control and event logs make it possible to store and track all original and corrected values. When corrected values are established, they are stored in a data repository for further processing.

Powel MDMS includes a meter device manager regarding installation, testing, changes and disconnection of meters. The system is flexible and makes it possible to cover all kind of meter devices. It also includes functions for providing work orders and route planning for meter reading and roll-out of AMR/AMI.

POWEL MDMS ADDS VALUE TO YOUR BUSINESS

Using Powel MDMS you will achieve a full overview and control of processes involving meter data and time series in general. You will be able to exchange data with third party systems applying file formats and protocols. Benefits are reduced costs, improved quality in data management, reduced manual routines and more satisfied employees. Powel MDMS includes configurable validation of metered data where corrections are traceable – and stored as an event log.



A proven MDM solution that fit working processes in deregulated power market surroundings

Management of metered data and meters with features that give you flexibility to reduce cost and add value

WHY SELECT POWEL MDMS?

Powel MDMS is a comprehensive and flexible solution for management of metered information and meters. It is well proven in deregulated power market surroundings, and is permanently developed with new functionalities and technologies.

Powel MDMS will enable you to realize immediate benefits of new technology and business processes whilst supporting your existing meters and data collecting systems.

You will be able to provide a full range of support of multi-utility reads in the same system. Powel MDMS is serving electricity as well as heat, gas, water and other metered data.

Powel MDMS holds skilled features regarding possibilities to configure reports and calculations based on metered data. This is a feature valuable for business processes in changing surroundings.

Exchange of market information for balance and settlement purposes is efficient performed thanks to a powerful toolbox for calculations and communication. You will be able to offer web services, giving the customer the ability to monitor and make reports of his own consumption/time series.

More efficient management of meter devices will reduce costs and stimulate to efficient working processes in your metering business. You may operate Powel MDMS as a part of an integrated solution making it efficient to apply metered information for the every day operation of demand forecasting and power market bidding.

CAPABILITIES OF POWEL MDMS

Powel MDMS is a stand alone system possible to integrate with several products that are tailored to benefit distributors, suppliers, balance responsible, large end use customers, and system operators. Some major features of the Powel MDMS are:

- Import of time series from all known file formats/protocols from multi-front end data collecting systems.
- Import of manually read metered values.
- Traceable validation and correction of all imported data – performed automatically or manually following customized rules.
- All imported data streaming into a single, central repository known as a complete MDM system.
- Event log for all changes of information in meter data.
- Logistics and work orders for management of meter devices and roll-out.
- Data calculations and statistical reports.
- Energy and customer information transferred to other applications like billing, trade and risk systems.
- Data exchange with other market participants using EDI-solutions with EDIEL messaging.
- Calculation of load profiles aggregated for each supplier.
- Load profile grouping and aggregation for settlement and balance purposes.
- Integrated with Powel Demand for forecasting.
- Integrated with Powel ELIN as an open data collecting system.