

# Meter Data Quality Management

The accuracy and reliability of metering information is important for end-user invoicing and retail market information exchange. The introduction of smart metering has tremendously increased the amount of data and the need to handle the data received from metering and control services has grown. Empower produces high-quality energy management services, where Meter Data Quality management plays a significant role.

- **PRODUCT GROUP:** Smart Grid services and solutions
- **SERVICE TYPE:** Meter Data Quality management service
- **ASSOCIATED SERVICES:** AMM services and balance settlement services

## Meter Data Quality management

The electricity or district heat system operator produces or manages metering and control services itself or via a service provider. In AMM systems, the metering information may be partly deficient or uncertain, so it cannot be delivered to the various parties in the retail market as such without validation. Meter Data Quality management corrects and supplements energy metering deficiencies and errors. For example:

- spikes in consumption
- missing values in hourly series
- unsuitable status for end-customer invoicing

## Flexible commissioning

Empower delivers Meter Data Quality management using our own or our customer's energy data management system. Empower can also provide a service platform as a separate project if required.



## Fluent service

Meter Data Quality management estimates the missing values via automated system processes and manually. The status and the reliability of metered data is validated. If information is missing or incorrect, the reason is investigated and the problem rectified (AMM operator changes the meter

or module, etc.). After that, the metering data is corrected in the energy data management system.

## Efficiency with additional services

Empower's Meter Data Quality management can help prevent and fix errors, such as:

- meter and measurepoint data discrepancies
- analysis and correction of connection errors
- correction of invoicing data in co-operation with the distribution system operator's customer service

## Independent service or part of a larger service package

Meter Data Quality management is typically part of a broader service package, but it can also be delivered independently. The service is not dependent on the AMM or balance settlement operator or the systems used. Empower's services supporting Meter Data Quality are: AMM services, balance settlement services, fieldwork management, and diverse reporting services.

## Why choose Empower for Meter Data Quality management?

The amount of data related to energy measurement has increased with the introduction of smart metering. This imposes additional demands on the meter data quality management process as well as on the systems used therein.

Empower has solid experience in processing metering data and quality management as well as error correction. Empower has effective tested processes that enable the customer to enhance their own operations.



Ota yhteyttä, autamme mielellämme  
imsales@empower.fi



Empower IM Oy  
Valimotie 9-11 • 00380 Helsinki • puh. 029 020 011 • www.empower.fi