MECOMS™
METER DATA MANAGEMENT

Meter Data Management module of MECOMS™ manages the entire meter data lifecycle from collecting meter data, validating the meter reading to calculating the correct consumptions based on register values or counter values.

AT A GLANCE
FUNCTIONALITIES
- MDM accepts all universal formats like XML, .CSV etc.
- Meter data can be collected through manual entry, file upload and integration with MDAS/ AMR systems.
- MDM provides validation, estimation and editing of the meter data values
- MDM provided calculated consumption values

DIFFERENTIATORS
- Userfriendly systeAatm
- Provides flexibility to configure changes easily
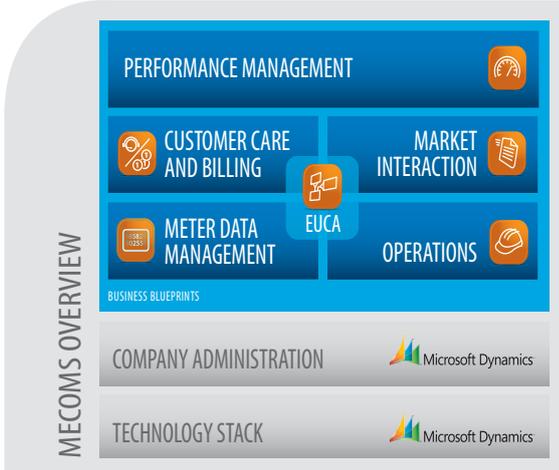
Indian Utility Perspective

Meter data management is one of the most important functions for utility businesses be it power, gas or water. Time stamped metered data forms the basis of various commercial and operational proceses such as Billing, Auditing, Demand Forecasting, Network Balancing, Trading / Procurement etc. In the power sector, supply or intake of energy is metered across power generation, transmission and distribution and forms the basis of commercial settlement across different entities.

For the gas distribution operations, metering of piped gas for domestic and industrial customers is very essential. Similarly for water distribution operations, availability of meter data for domestic, commercial and industrial customers is becoming very important. Traditionally, the meter data collection has been manual. The practise of automatic meter reading (AMR) is increasing and automatic metering infrastructure (AMI) are being implemented to make the metering data available online. The meter data thus collected needs to be cleansed and validated before it can be used for downstream business processes.

Therefore, a good Meter Data Management system becomes the prime requisite for a utility company. It is recommended for a utility company to consider an MDM system as the basic application infrastructure to collect, cleanse, validate, store and provide the meter data for commericial and operational process

MECOMS Meter Data Management Module

The MECOMS™ MDM is compatible to collect meter data through various methods starting from Manual Meter Readings (MMR), Automatic Meter Readings (AMR), and Smart Meter Readings (SMR) etc.

MECOMS OVERVIEW

PERFORMANCE MANAGEMENT

CUSTOMER CARE AND BILLING

MARKET INTERACTION

EUCA

METER DATA MANAGEMENT

OPERATIONS

BUSINESS BLUEPRINTS

COMPANY ADMINISTRATION — Microsoft Dynamics

TECHNOLOGY STACK — Microsoft Dynamics

MECOMS™ MDM provides maximum flexibility to create business rules on a fly through a formula compiler

The meter readings undergo the validation process through MECOMS™ validation engine for both correct import i.e (syntax errors, matching errors, missing values) and logical validation (value too high, value too low, un-reliable values) etc.

The calculations are required for calculating the final consumptions of a customer which inturn is the basic requisite to initiate the billing process. For a power company, the power consumption could be based on difference of the metered consumptions calibrated with the use of calibration factor for current and voltage transformer ratios. For the gas metering, the calculations would involve temperature and pressure calibration.

MECOMS Value Proposition

Meter Data Management focuses on data quality and controlling the information flood that utility companies constantly face. MECOMS™ handles all aspects of meter data management process such as collection, cleansing, validation, estimation, editing, storing and archiving functions. MECOMS™ MDM module can be integrated with third party billing applications apart from inherent integration with MECOMS™ billing. Meter readings are stored and validated in MECOMS™ using flexible business rules in the validation module. MECOMS™ allows the definition of business validation rules in a user-friendly manner, without any development. Multiple rules can be active at any point in time, prioritized to match changing business needs. Consumptions are then calculated from the meter readings in the calculation module. Single or separate meter readings can be used for billing different products. Estimations, based on profiles or historical data, can be substituted in case of missing meter readings. MECOMS provides formula compiler to configure such calculations

MECOMS™ is the reference end-to-end utilities solution, empowering companies to optimize their business in both regulated and de-regulated market environments. It allows utilities to streamline and manage processes, such as metering, contract management, CRM, billing and cash collection, asset management and field services, and portfolio management. MECOMS™ is certified for Microsoft Dynamics AX and is highly scalable and modular, providing the flexibility to quickly adapt to changing market conditions.

MECOMS™ Partner Network

Praxis i-Technologies is a valued partner to Ferranti India. They are a multifaceted integrated IT solutions provider and a Microsoft Dynamics Certified Partner. They offer a range of services in the areas of ERP Solutions, Systems Integration, Software Development Services, Product Development, Management Consulting, Business Process Re-engineering and Change Management.