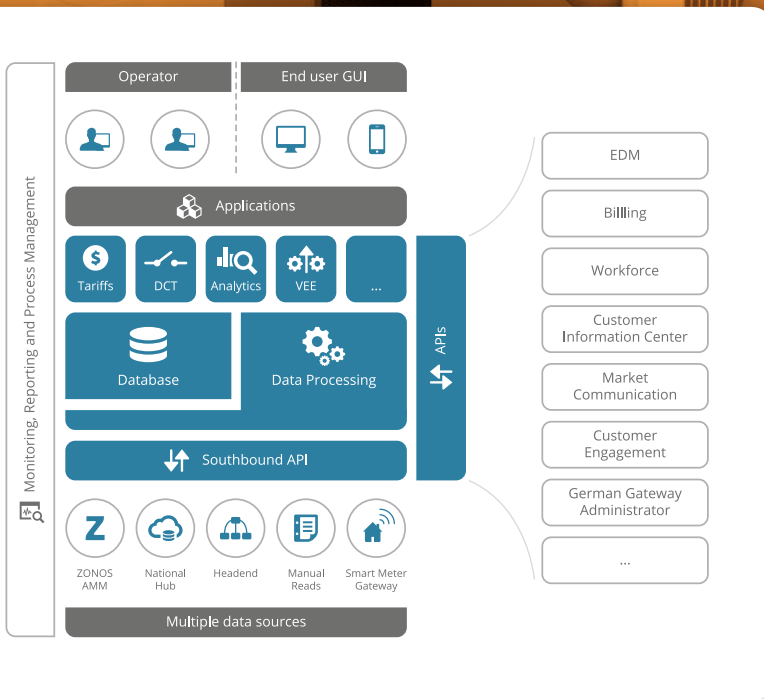


# Meter Data Management



DE | EN | NL | NO

Our multi-utility **ZONOS™** Meter Data Management (MDM) validates, stores and makes pre-processed meter data available for upstream business applications, e.g. market communication and billing. It receives data from optional **ZONOS™** Advanced Meter Management (AMM) or third-party Head-end Systems (HES) and also communicates with these to allow automatic end-to-end Smart Metering processes.

## Details

**ZONOS™** MDM requests or collects, validates and processes data (e.g. consumption data or events and alarms) and shares this with applications such as billing systems, customer care systems and solutions for data analytics like the **ZONOS™** Module ReportPlus. Integrated with these systems the MDM is the core enabler of end-to-end Smart Metering processes. Data is made available for market processes or used for commercial propositions based on metering data. The modern system architecture and the use of the **ZONOS™** IoT Platform allow high-speed data processing and low cost scaling of the overall solution.

## Advantages

- Multi-utility support (power, gas, water, heat, etc.) and multi-tenancy gives great flexibility and scale advantages
- Configurable Validation, Estimation and Editing (VEE) rules provide maximum flexibility
- Advanced tariffing engine enables easy commercialisation of Smart Metering data
- End-to-end Smart Metering processes through out-of-the-box interfaces to existing systems (e.g. SAP MDUS, Oracle CCMB) reduce integration cost

# Meter Data Management

**ZONOS™** MDM supports all core utility processes allowing an easy configuration of move-ins and move-outs, customer changes, innovative tariffing schemes, device-related processes (e.g. disconnection, load limitation) or a central pre-payment solution. It can be interfaced with existing billing, market communication and other systems. **ZONOS™** MDM can be complemented through optional **ZONOS™** Modules (e.g. PortalBasic, ReportPlus) enabling powerful customer interaction, implementation of customer loyalty programs or offering of completely new services as well as advanced data analytics and reporting.

## Features

- Multi-utility support (power, gas, water, heat, etc.)
- VEE: validation, estimation based on customizable algorithms and manual editing
- Processing of time series based on interval data
- Creation of time series based on meter reads incl. analytics
- Customer and contract management (controlled by e.g. SAP or Oracle CCMB interface)
- Support of simple to very complex tariffing schemes
- Important commands (e.g. on demand meter reads, disconnection, load limitation, pre-payment)
- Customer API for interfacing with customer portal solutions or Apps; alternatively, our **ZONOS™** Module PortalBasic can be used
- Metering of consumption and production with flexible hierarchical configuration through sub- and virtual meter functionality
- Centralized and uniform event and alarm management
- Various market conformant communication formats and protocols
- Extensive process management via **ZONOS™** API and easy interfacing with Business Process Management (BPM) solutions
- Powerful data analytics via our **ZONOS™** Module ReportPlus
- Plugins for billing and asset management systems such as SAP MDUS
- Plugins for **ZONOS™** AMM and other Head-end Systems, e.g. based on CIM (IEC-61968)
- Import and Export: wide range of web services and file formats
- Energy Management and Smart Grid applications (including non-technical losses) through sub- and virtual meters
- Flexible roles and rights management
- Functional extension through use of other optional **ZONOS™** Modules

Your local contact

