

Advanced Meter Management

zonos™ Advanced Meter Management (AMM) is a high-performance system that manages and controls smart meters and their communication infrastructure with interfaces to Meter Data Management (MDM) and Operations Support Systems (OSS) and others.



Details

zonos™ AMM is capable of managing smart meters and communication devices from various vendors in the same installation. The system unifies data formats and structures before sending them to applications such as Meter Data Management (MDM) systems.

Next to meter data (consumption & production) the system also registers and processes other data such as grid quality parameters, battery status of communication modules or radio reception. zonos™ AMM seamlessly integrates the management and control of the communication infrastructure.

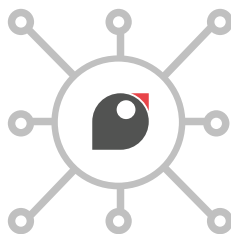
Features

- Multi-utility support (power, gas, water, heat, etc.)
- Native support of meters and concentrators without head-end (via SML, DLMS, DSRM, IS15959, IEC 62056-21, FAHAM, ANSI 12.22 MBUS, wMBus, etc.)
- Support of a wide range of head-end-systems (also CIM/ Standard IEC 61968-9)



- Quick and flexible expansion through connectors for new meters, gateways and head-end systems (HES)
- Extensive device management and synchronization features with asset management
- Configuration management for meters and other devices
- Extensive device control transactions (e.g. on demand meter read, disconnection, load limitation, parameter synchronization, time of use (TOU) configuration, pre-payment)
- Automatic topology compilation (meters, communication modules, gateways, concentrators, repeaters, etc.)
- Management of security keys and certificates
- Centralized and uniform event and alarm management

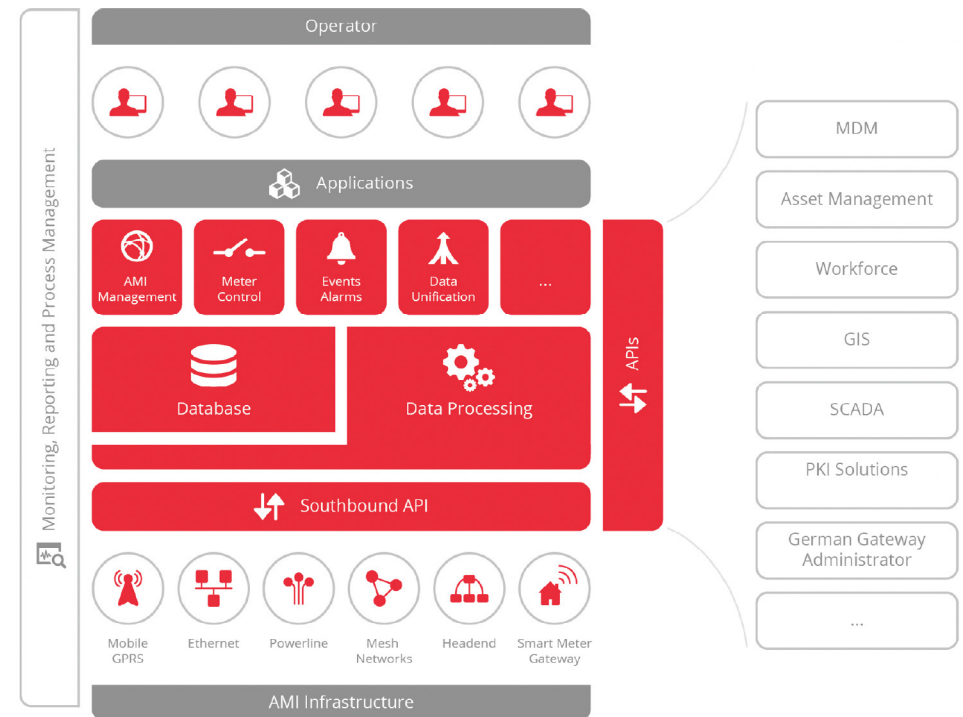
Support of over
150 meter types



Powerful
generic HES

Overall
solution

- Technical validation and pre-processing of incoming data
- Flexible mapping and transformation of incoming and outgoing data streams
- Unlimited number of OBIS codes or different data streams
- Transparent process management/interfaces for process monitoring
- Extensive reporting and statistics
- Functional extension through use of optional **zonos™** Modules



Advantages

- Reference customer reduced Smart Metering investment costs with more than 30% through avoidance of meter vendor lock-in that is normal for proprietary head-end systems
- Lower operational costs through management and control of both meters and communication infrastructure in the same system
- High-performance system capable of handling very high reading frequencies and data volumes for Smart Grid applications
- Reduced risk since system can easily be expanded to e.g. handle new requirements driven by either regulatory or commercial requirements

Option: Integrated solution AMM/MDM

The system can be provided as AMM only, but also integrated with **zonosTM Meter Data Management (MDM)**. This enables an easy start with Smart Metering. The system can consequently grow in functionality with the technical, commercial and procedural requirements of a client.

Benefits include an extremely high performance, lower data volumes and less complex interfaces. Implementation and investment costs are lower and so are also the operating costs.

The support of various meters and communication technologies enables a customised and cost-effective roll-out. It is also possible to start with **zonosTM AMM/MDM** as a stand-alone solution and then gradually realize full end-to-end processes through integration with other systems (e.g. ERP, customer care & billing, NIS).



Lower costs



High performance



Reduced risk

