



Meter Data Management System

Data management for today's smart grid turning data into insight

Landis+Gyr's Meter Data Management System (MDMS) validates, manages and controls data from advanced meters and smart grid devices. The MDMS collects and analyzes rich sensor data to provide valuable insights for maximizing billing efficiency and accuracy, service reliability, and grid stability. Its business process management capabilities streamline operational activities via robust automation functionality. SmartData applications analyze usage and event patterns for optimizing outage management, improving consumer engagement, and supporting settlement and load profiling functions.

Available as a standalone enterprise solution or an aligned component of a vertically integrated solution, the MDMS supports event analysis to improve outage and theft detection, and can also support prepayment programs. It can be implemented and managed by the utility or deployed in either a SaaS or fully managed-service model.

Core Applications

The MDMS core applications provide mission critical functions for meter data management systems, containing analytics and business rules for efficient billing operation and applying business process logic to streamline the movement of data through all processing steps and adjacent systems.

Smart Data Exchange

The SmartData Exchange component of the MDMS provides standards-based integration capability. SmartData Exchange manages passing Common Information Model (CIM) messages to and from all MDMS applications, and provides translation adapters to pass messages to and from adjacent solutions.

SmartData Applications

SmartData Applications extend the Core Applications for advanced use cases such as outage process optimization, theft detection, customer engagement, and more.

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Features

- Advanced billing support with VEE, net & virtual metering and time-based pricing
- Long-term repository for billing and non-billing sensor data
- Business process automation
- Flexibly extended with packaged analytics to support current and future use case
- Cost effective integration
- Sensor event management, analysis and correlation

Benefits

- Ensure data integrity with VEE
- Streamline operational activities via robust automation functionality
- Establish a unifying integration point and system of record from multi-source data
- Facilitate data access and ensure transaction integrity
- Improve outage and theft detection
- Support prepayment programs

Let's build a brighter future together.

Landis+Gyr is a leading global provider of integrated energy management solutions. We measure and analyze energy utilization to generate empowering analytics for smart grid and infrastructure management, enabling utilities and consumers to reduce energy consumption. Our innovative and proven portfolio of software, services and intelligent sensor technology is a key driver to decarbonize the grid. Having enabled 9 million tons of CO₂ savings in FY 2024 through our product offerings, Landis+Gyr manages energy better – since 1896. With sales of USD 1.7 billion in FY 2024, Landis+Gyr employs around 6,300 talented people across five continents. For more information, please visit our website www.landisgyr.com.