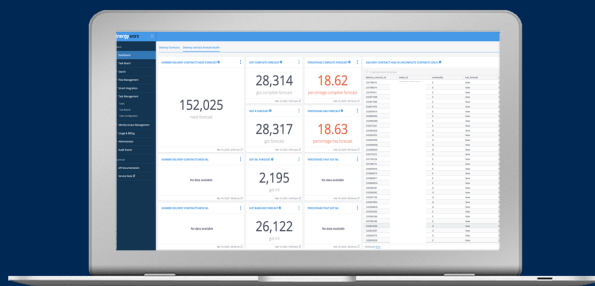


energyworx

a gridspertise company

Energy Data Manager

Beyond traditional MDMs



Energy Data Management beyond traditional MDM systems

Smart meter data is the foundation of many utility processes, but only when it is accurate and trusted. DSOs often struggle with basic issues that an MDM is meant to solve: inconsistent formats, missing or duplicated records, estimated readings, and huge volumes of raw time-series data that must be validated before they can support billing or operational decisions.

On top of this, **meter and grid asset data often sit in separate systems**, creating a fragmented view of the network. This makes it hard to correlate consumption, generation, grid health and equipment status, limiting the ability to detect issues, optimize operations or run advanced analytics.

With smart meters generating massive granular datasets, utilities require **scalable infrastructure, strong governance, and advanced analytics** to avoid processing bottlenecks and ensure timely operational insights.

Discover the Solution

Our **Energy Data Management** provides utilities with a cloud-native time-series platform that automates energy data processing and analytics. This modular, preconfigured solution delivers **fast time-to-market and adaptability** to changing market requirements.

Built for scale, it manages millions of smart meters while **supporting electric, gas, and water utilities of any size**. With flexible architecture, automated data quality analysis, and integrated business logic, it offers a **comprehensive view of past, present, and future energy data** serving as the digital backbone for **data-driven applications beyond traditional Meter Data Management**.



Unified Intelligence

Centralizes metering and asset data in a single platform with configurable processes to meet functional and regulatory needs



Scalability

Leverages a cloud-native, elastic platform that scales horizontally and vertically to support millions of devices and new use cases



Innovation

Accelerates time-to-market and unlocks new business models with integrated analytics, machine learning, and automated updates

Covered use cases

Driving **accurate, and actionable insights** for a smarter grid, today.

What it enables...

Metering and Master Data Management

Manages meter and master data from multiple systems, supporting standards like IEC 61968-9. Handles **multi-utility data** (electricity, gas, water, heat) at different time resolutions. All data changes are versioned, ensuring **traceability and reliable synchronization** across millions of devices.

Device Control and Event Management

Supports **remote control of smart meters, DERs, and charging stations**. Operators can perform on-demand reads, switch on/off, limit power, and monitor alarms automatically through predefined flows, **improving operational efficiency and reducing field visits**.

Validation, Estimation and Editing (VEE)

Automatically **validates meter data, flags anomalies, and estimates missing values**. Different rules and flows can be applied by customer type or voltage level. Ensures **high-quality, complete data for billing and regulatory compliance**.

Market Settlement and Data Publication

Performs **balancing and settlement** by aggregating consumption per supplier, applying loss profiles, and sharing results with market participants. Publishes validated data to external systems or datahubs using standard formats and secure integrations.

Aggregation, Calculation and Billing Determination

Aggregates and calculates data for areas, transformers, or energy communities. **Supports flexible Time-of-Use (ToU) tariffs, dynamic grid fees, and prepayment**. Enables accurate billing determinants and transparent billing for customers.

Forecasting and Advanced Analytics

With machine learning add-ons to **forecast energy load for meters or grid areas** is possible to clean and normalize historical data to predict future demand considering seasonality and weather, as well as grid planning and balancing decisions strategies.

Business Impact



OPEX efficiency

Up to **50% OPEX** efficiency achieved by process automation and managed operation of cloud infrastructure



Revenue protection

Together with the add-ons is possible to improve the P&L due to optimized sourcing and less imbalance penalties



Customer awareness

Increased insight in customer portfolio and individual customers energy usage