

PRODUCT BRIEF



HansenMDM™

The future is to power your data.

- Are you looking for a system which collects data from different smart meters (electric, gas, water and heat) in the most reliable manner possible?
- Are you aiming to develop fully integrated billing services and excellent customer experience?
 - Are you worried about future data influx from meter devices and don't know how to make use of the data?

The main idea of smart metering systems is to ensure utility companies are able to utilize real-time consumer energy usage data to improve their business. In addition it helps utilities accurately bill consumers and improve their energy efficiency.

Hansen MDM (meter data management) serves as an integrated package of next-generation automation & analytical meter data management– designed to leverage implementation off the advanced metering infrastructure (AMI). This is a ground-to-cloud solution, enabling customers to run their operations aligned to their preferred business model. Hansen MDM supports all commodities – electricity, gas, district heating and cooling – as well as all market roles: Distribution system operator, retailer, balance responsible, transmission system operator and datahubs. National market messages and datahub integrations are widely supported.

In addition to this, Hansen MDM is ultimately responsible for cleansing, calculating and providing data persistence for the metered energy data. The system integrates smart meters to the billing process and can collect the metered energy data from multiple head-end systems (HES) and is responsible for the dissemination of metered consumption data to the next systems, like customer information or billing systems, in the process. Hansen MDM supports billing, load profiling, forecasting, imbalance calculations, asset loading, market communication and a variety of analytic use cases.

When choosing an MDM application for the future, utility professionals should focus on three key metrics:

1. Maximize return on smart grid investment and AMI
2. Reduce operational costs with improved quality of service
3. Utilize a digital platform to leverage data into new product and services



HANSEN MDM

Hansen MDM brings benefits to the entire utility value chain - from smart device roll-out management to energy logistics, energy business, billing and value-added customer related services. Monetize the hidden value of your diversity of data with our data intelligence MDM suite.

This flexible solution will transform your approach, so that you can always have a right balance between traditional functionality and future advancements. Consumption storage enables real-time data synchronization with other sources like sensor data to improve management of grid operations. Hansen MDM enables new services, including support and maintenance of solar panels, car charging and other emerging opportunities. Hansen MDM enables you to crunch the future of energy data.

Ask yourself

- Does your MDM scale to uncover the new data volumes?
- Do you have a plan on how to store and share metering data?
- Is your billing engine flexible enough to cater for all existing and future customers?

BENEFITS

Intelligent Management for Smart Meters

The market proven Hansen MDM integrates smart grid infrastructures and events with the real world demands of the energy business, delivering clear, high quality and actionable smart meter data and analysis. Automated processes ensure that all standard operations are performed without the need for manual data entry. Only deviations are flagged and categorized by priority level. Feature-rich dashboard and real-time visualizations make sense of complex data using our innovative specialized tools and cloud-based instant service.

Reduced time to market

Hansen MDM provides centralized management of the complete energy supply chain from procurement and storage deliveries to production and consumption of energy products. Centralized management on one single platform of commercial energy business data and physical measurement data helps enhance product and service innovation.

Real-time billing engine

Embedded in the solution are tools that enable a flexible billing engine for generating billing data for all customers, including full support for new products with dynamic and complex pricing. Modernized integrations and configurable driven platforms enable utilities to take their big data to the next level of business insight and adopting to a fast changing energy landscape.

Automated processes

Automated balance settlement processes for all market parties for high-performance allocation, reconciliation and imbalance settlement processes makes Hansen MDM highly adoptable to market changes. This is achieved by utilizing flexible tools for configuring centralized balance management for energy business planning and monitoring.

The system improves data consistency and accuracy across systems and optimizes performance throughout meter-to-cash operations.

Innovation at the edge of the grid

Hansen MDM provides an accurate view of total energy consumption, and enhances network operation by increasing grid efficiency. Intelligent meter management and measuring applies not only to billing-relevant consumption data, but also to energy flow information and network status.



Hansen **Create-Deliver-Engage**™ for Energy and Utilities Providers

Hansen **CIS**™

Commercial off the shelf Customer Care and Billing Lifecycle Management

Hansen **Catalog**™

Commercial Product and Technical Service Catalog and Lifecycle Management

Hansen **Insight**™

Business and Operational Data Analytics and Decisioning

Hansen **Trade**™

Automated trading Analytics and Risk Management

Hansen **MDM**™

Metered AMI, Calculations and Disseminating Event Management

Hansen **CPQ**™

Cross-market Omni-channel Quote and Order Capture

HANSEN MDM IN A NUTSHELL

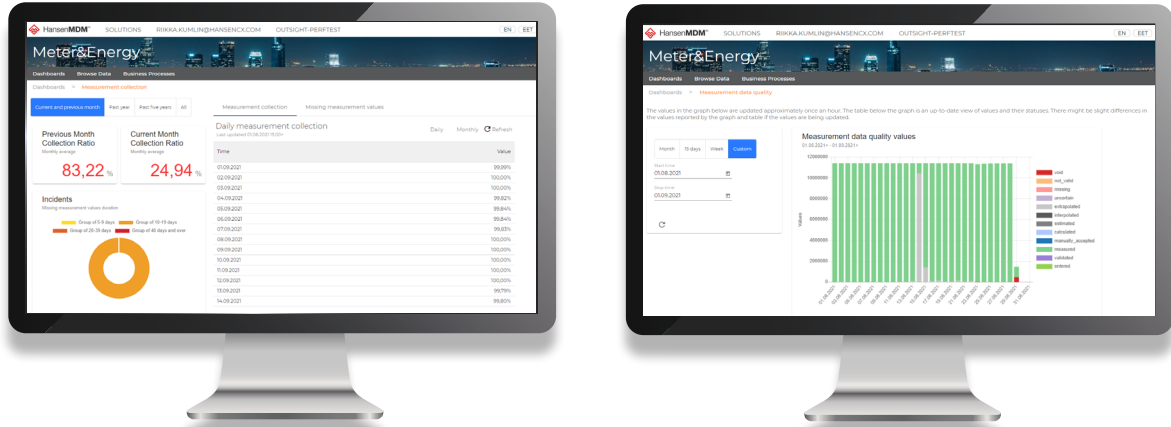
- Data collecting from multiple sources.
- Improved integration abilities with RICH API architecture, including deep pre-built integrations with different modules of the AMI* like HES** and CIS***
- Large range of on-demand APIs
- Well-defined dashboards to monitor and ensure the data quality
- Metering of consumption and production with flexible heirarchical configuration through sub and virtual meter functionality
- Seamless multi-utility support
- Efficient processing of time series
- Two-way device control message management to connect metering infrastructure with business applications
- Validating, editing and estimating (VEE) meter reads.
- Monitoring – with pro-active response and corrections
- Custom exception handling
- Support for smart meter event and alarm collection
- Calculating billing determinants and support of complex tariffing schedules
- Supporting AMI deployment
- Balance management and advanced forecasting
- Datahub compliance
- Compliance with regulatory standards and service-level agreements
- Works with Hansen Insight, a comprehensive meter data analytics

*AMI: Advanced Metering Infrastructure

**HES: Head-end System

***CIS: Customer Information Systems

HANSEN MDM BRINGS BENEFITS TO THE ENTIRE UTILITY VALUE CHAIN



Hansen MDM

FIVE KEY FUTURE FORWARD STRATEGIES

In this changing landscape, Hansen sees five key imperatives in future forward strategies for energy companies:

1. Turn into a Digital Utility
2. Build a digital platform
3. Architect a scalable analytic ecosystem
4. Implement next generation innovation capabilities
5. Deliver smart and digital customer experiences

GROW YOUR NEW BUSINESS MODEL AND BE THE NEXT DIGITAL-DRIVEN ENERGY COMPANY.

Powered by Hansen



Hansen Technologies (ASX: HSN) is a leading global provider of software and services to the energy, water and communications industries. With its award-winning software portfolio, Hansen helps over 620 clients from over 30 offices worldwide to create, deliver and engage with their customers, to manage and analyze customer data, and control critical revenue management and customer support processes.



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