

# Enterprise Edition MDM



## specifications

### **Manage all of your meter data in one central repository**

Meter data drives the energy business. In liberalised markets, utilities are faced with the added tasks of managing data from diverse sources, distributing data to other parties, integrating systems and tracking contractual relationships. In our current energy environment, where data must be collected more frequently and in smaller increments for residential, commercial and industrial customers, the potential for errors and confusion increases dramatically.

The ideal solution to this problem is a central meter data management system that enables rapid integration of new metering systems and data sources, enforces consistent and auditable processes, and provides an easily accessible source of accurate and reliable meter data.

Itron Enterprise Edition Meter Data Management (EE MDM) offers an enterprise-wide meter data management solution for interval, register, and event data, designed to insulate utility business systems from the details of metering and meter reading in a multi-vendor, multi-technology environment.

The EE MDM solution provides consistent processes and interfaces regardless of the meter data's source or destination. This simplified environment significantly reduces the likelihood of errors in the business processes that use meter data. At the same time, EE MDM allows your company to optimise operations by simplifying the management, distribution and integration of data among market participants.

### **Itron EE MDM provides**

- > Increased quality of data and improved data distribution and contract management from operating a single, central repository, instead of separate inconsistently managed systems.
- > Reduced IT implementation and maintenance costs from improved data integration capabilities at the collection system and business/market system level.
- > Ability to adapt to changing regulations with flexible configuration level customisation for validation, calculation, and export tasks.

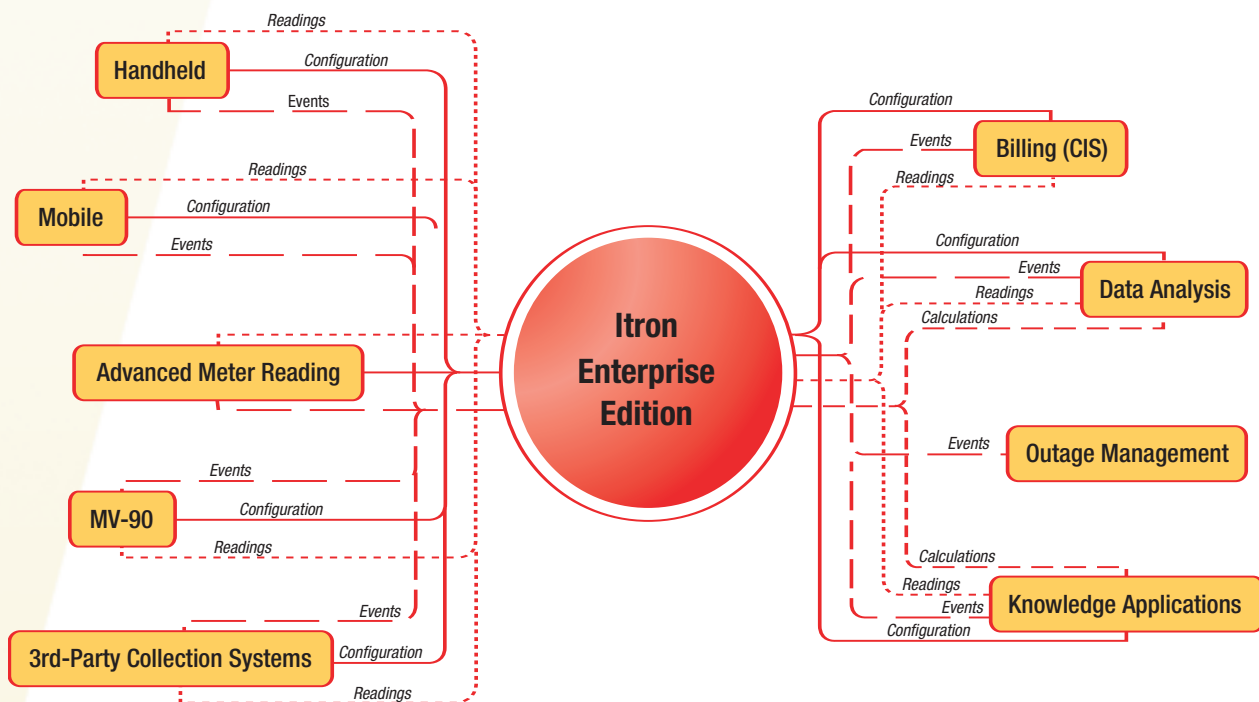
### **Improved data reliability with consistent and enforceable processes.**

- > Reduced manual manipulation of data for your largest, most demanding customers.
- > Support for large-scale and multiple vendor AMR deployments.
- > Improved security and accountability through consistent auditing and versioning of all data.



## Meter data management for all your customers

Using proven relational database technology, Itron EE MDM provides a scalable platform for managing meter data for all of your residential, commercial, and industrial customers. Itron EE MDM's batch interfaces and Web Service Application Programming Interfaces (API) can fully automate processing, synchronize data with your business and market systems, and collect meter data from multiple sources. Interval data can be aggregated and manipulated easily and safely using the Universal Calculation Engine (UCE), a robust tool that provides packaged functionality for your standard processes while allowing maximum flexibility to support your unique calculation requirements. While open and accessible to users and external systems through the use of packaged reports, APIs and industry-standard query tools, Itron EE MDM is also secure and auditable. Every change made to data is tracked, and all versions of data are stored along with the original.



**Itron Enterprise Edition's central role in data management gives your company unrivaled security and flexibility**

## Multi-vendor collection system integration

Itron EE draws upon Itron's industry-leading knowledge and experience with traditional and advanced meter reading technologies and meter data management so that you can

- > Leverage existing mass market billing interfaces by supporting Itron Integrator, MV-RS, Premier plus 4, and XML-based reading request interfaces. Billing systems can request readings from meters as they always have, regardless of which system reads the meters.
- > Broker requests between multiple billing and data collection systems. Billing systems no longer need point-to-point interfaces to all your utility's different collection systems. A single request for a meter reading can be distributed to one or more collection systems for processing.
- > Apply user-defined "best read" business rules. When multiple readings are available within a requested time frame, Itron EE can select the preferred reading based on source, status, and time frame received.
- > Provide operational and performance reporting across all meter reading technologies. Itron EE tracks which meters must be read by each collection system and the progress of these collection systems as they deliver readings within the meter reading window.
- > Directly integrate and control collection of C&I meter data through integration of of MV-90 xi Service Mode.



### **Itron Enterprise Edition Meter Data Management capabilities**

- > Capture data from multiple collection systems and sources, both Itron and non-Itron systems, in XML-based or legacy formats through files or Web Service API's.
- > Fully versioned data storage tracks changes, edits and updates through logs and multiple versions of operational data.
- > Store historical readings to provide a long-term perspective about the meter reading process and usage patterns.
- > Synchronise data among meter inventory management systems, collection systems, market systems, and billing systems through accessible interfaces and APIs.
- > Automate repetitive tasks and provide robust task management.
- > Provide interactive operational, analytic, and administrative reporting capabilities.

### **Consistent processes and interfaces**

Building on Itron's long-time leadership in interval data collection and management, the EE MDM solution captures this expertise to:

- > Automate interrogation, validation, import, aggregation and estimation tasks. With its robust task management capabilities EE MDM allows users to determine which tasks did, and did not, finish successfully and to determine why errors occurred.
- > Perform aggregations and calculations on interval data streams in a controlled and consistent fashion using the spreadsheet-like Universal Calculation Engine (UCE).
- > Validate meter data. EE MDM provides a number of standard validations, like energy tolerance and high/low checks, and allows users to write customised validation logic as configuration without the need for custom programming.
- > Edit and estimate data manually or automatically. Each change to the data is fully audited, and an edit log is easily available using the EE MDM user interface.
- > Create time-of-use schedules and apply the schedules to interval channels.
- > Synchronise customer, account, and meter attributes with business systems through XML-formatted batch files or Web Service API. New customer additions, meter exchanges, and disconnects become real-time transactions within EE MDM.
- > Automate import, aggregation, and export tasks. With its robust task management capabilities EE MDM allows you to determine which tasks did, and did not, finish successfully and to determine why errors occurred.

Rely on the flexible EE MDM platform for:

- > Permanent meter data storage and version control.
- > Permanent configuration and contract data storage (service point-based data model).
- > Complex power flow, aggregation, allocation, and settlement calculations.
- > Integration of collection, billing, and market systems.
- > Consistent calculation and editing capabilities.
- > Event normalisation and storage.
- > Secure user access.



## profile

### **Itron**

Itron is a leading technology provider and critical source of knowledge to the global energy and water industries. More than 3,000 utilities worldwide rely on Itron technology to deliver the knowledge they require to optimise the delivery and use of energy and water. Itron delivers value to its clients by providing industry-leading solutions for electricity metering; meter data collection; energy information management; demand response; load forecasting, analysis and consulting services; distribution system design and optimisation; web-based workforce automation; and enterprise and residential energy management.

**To know more, start here: [www.itron.com/global](http://www.itron.com/global)**



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