

# Enterprise Edition MDM

## specifications

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

Energy data drives your business. Back-office and front-office operations rely on meter data from many sources. While collecting meter data can be efficient and automatic, putting that data in the hands of people who can leverage its value is often difficult and error-prone. Too often, utilities rely on multiple systems and data stores maintained in isolation. With this isolation comes the burden of patching, integrating, manipulating and maintaining multiple systems. 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 repository where consistent and auditable processes are enforced, and where all users can access 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 your utility's business systems from the details of metering and meter reading in a multi-vendor, multi-technology environment.

The Itron 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 change how and when you collect data, and to deploy the most cost-effective meter reading technologies without affecting your billing processes.

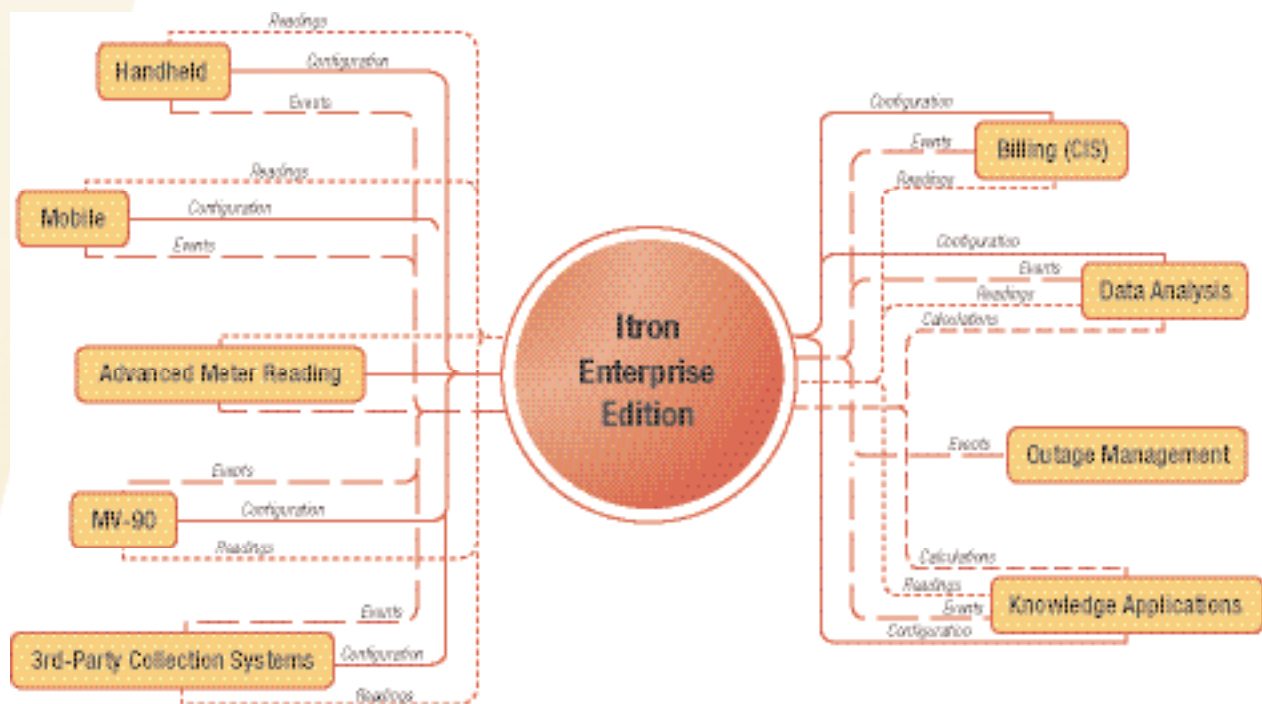
With Itron EE MDM, your company can capitalise on the wealth of meter data to vastly improve access to information used for decision-making and analysis, giving you:

- > Increased quality of data from operating a single, central repository, instead of separate inconsistently managed systems.
- > Reduced IT implementation and maintenance costs from improving the interoperability of applications.
- > Improved data reliability with consistent and enforceable processes.
- > Reduced manual manipulation of data for your largest, most demanding customers.
- > Support for simpler, faster and less expensive rollout of AMR technologies gained by reducing the number of maintained interfaces between collection and billing systems.
- > Improved security and accountability through consistent auditing and versioning of all data.



## Meter data management for all your customers

Using proven relational database technology, EE MDM provides a scalable platform for collecting meter data for all of your residential, commercial, and industrial customers. EE MDM's batch interfaces and Web Service Application Programming Interfaces (API) can fully automate processing, synchronise data with your business 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, 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

EE MDM 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, Premierplus 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, EE MDM can select the preferred reading based on source, status, and time frame received.
- > Provide operational and performance reporting across all meter reading technologies. EE MDM 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.

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

- > Capture data from multiple collection systems, including both Itron and non-Itron systems, in XML-based or legacy file formats, or with a Web Service API.
- > Track changes, edits and updates through logs and multiple versions of operational data.
- > Capture, normalise, store, and report on event data.
- > Store historical readings to provide a long-term perspective about the meter reading process and customers' usage patterns.
- > Synchronise data among meter inventory management systems, collection 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:

- > Perform aggregations and calculations on interval data streams in a controlled and consistent fashion.
- > Edit and estimate data. Each change to the data is fully audited, and an edit log is easily available using the EE MDM user interface.
- > Graph and report on raw load data and calculated or aggregated data.
- > 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 Itron EE platform for:

- > Permanent meter data storage and version control.
- > Permanent configuration data storage (service point-based data model).
- > Integration of collection and billing systems.
- > Consistent calculation and editing capabilities.
- > Event normalisation and storage.
- > Secure user access.

### **Additional packages**

- > Itron EE XML Import Adapter imports meter data from third-party collection systems. Utilities that do not use Itron collection systems can still benefit from EE MDM as a central repository for their meter data.

## 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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