Today’s fast paced energy market demands effective and smart solutions to meet broad business challenges. Saturne, a powerful advanced data collection software, brings the long-awaited answers to the challenge of Advanced Metering Management by enabling state-of-the-art AMI functionalities.

**KEY BENEFITS**
- Multi vendor, commodity & segment
- Support for various topologies
- Highly scalable & secure
- Support for Oracle & MSQQL
- Dedicated reporting solution

**VERSATILITY**
Saturne has the capability to manage point-to-point (GPRS, PSTN, GSM, etc) and point-to-multi-point (PLC via a concentrator) topologies. The data collection process is organized according to the topology and can be simultaneously supported by the same platform.

Saturne is very flexible and powerful, supporting metering data and event collection in various communication architectures.

Saturne has been designed to ensure perfect metering communication regardless of the communication technology in place.

**FLEXIBILITY**

**Multi-vendor**
Saturne is a true multi-vendor solution that enables utilities to collect data and manage a wide range of meters from different manufacturers. Saturne supports devices based on common open standards including DLMS/COSEM, IDIS, PRIME, PLAN, etc.

**Multi-segment**
With a multi-segment solution, utilities can also deal with C&I or residential meters. Based on each Utility business needs, Saturne is configurable to highlight the most important aspects of each type of meter, collecting and processing meter data such as load profiles, multi-tariff billing registers, meter status information, quality data, events and alarms, among others.

**Multi-commodity**
Saturne has concrete ability to simultaneously manage multi-energy meters such as electricity, gas, water, cooling and heat. Thus Saturne is a strong tool for multi-energy roll outs.

**CONNECTIVITY AND STANDARD COMPLIANCE**
Enabling utilities to anticipate regulatory changes, Saturne is built on market standards with full support for the major international protocol specifications currently available in the market (e.g. PRIME, PLAN, IDIS, etc).

Saturne architecture allows quick implementation to support DLMS/COSEM based protocols.

**REPORTING**
Saturne provides a dedicated reporting platform for generating complex data reports without compromising the core activities of the Saturne system.

Standard reports, such as those for daily data collection statistics, meter events, meters not communicating, etc. are easily augmented with customer-specific reports to meet particular business or operational requirements.
SECURITY AND SMART PAYMENT

Our upcoming release will feature Saturne Security Manager (SSM) and AMI Smart Payment, leveraging Itron’s extensive experience in Smart Payment worldwide. As part of Itron’s global end-to-end security solution, SSM provides support for high level security for both point to point and for point to multi-point topologies. SSM manages certificates, WAN payload cyphering, interface with different key management systems.

FLAWLESS INTEGRATION

In any smart grid initiative, flexibility, interoperability and flawless information exchanges are key to successful deployment.

Minimizing the cost of ownership, Saturne is built on openness, providing different integration mechanisms, enabling quicker and seamless integration with any enterprise-class system based upon industry standards (XML, SOA). Saturne API is a CIM-based interface with support for different on-demand requests and meter commissioning use cases. Saturne High Volume Readings Export is the primary mechanism to massively export meter readings and events allowing scheduled or ‘on the fly’ data publication to data warehouses or MDMs. Saturne’s native integration with world leader Itron’s MDM system allows quick and easy deployment when Itron’s end-to-end solution is in place.

OPTIMUM BUSINESS PERFORMANCE

Saturne is not only focused on data collection performance but also on all the business processes directly involved with a large meter population. On demand requests, transaction logging, mass firmware upgrade, usability, among other critical functions, are built and maintained with strong focus in large scale environments.

GLOBALLY PROVEN

With 3 million endpoints across the globe, Saturne is globally proven. A comprehensive support for major market standards and a scalable business solution make it the safest choice for mass rollouts with minimum risk.

Itron is a global technology company. We build solutions that help utilities measure, manage and analyze energy and water. Our broad product portfolio includes electricity, gas, water and thermal energy measurement and control technology; communications systems; software; and professional services. With thousands of employees supporting nearly 8,000 utilities in more than 100 countries, Itron empowers utilities to responsibly and efficiently manage energy and water resources.

Join us in creating a more resourceful world, start here: www.itron.com

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