ChoiceConnect Cell

Itron Cellular Solution

Based on existing point-to-point communication networks, ChoiceConnect Cell is a true multi-energy - electricity and gas, and multi-segment - residential, commercial and industrial end-to-end solution which allows full deployment flexibility while minimizing initial investment.

KEY BENEFITS

» Limited investment
» Reliable network
» Flexible & straightforward deployment
» Direct access to meters
» Future proof
» End-to-end Security
» Based on open standards

SOLUTION OVERVIEW

ChoiceConnect Cell provides pre-packaged components including smart meters, modems and software covering meter deployment and maintenance, data collection and interface to upstream systems.

Most of the use cases essential to your business are already implemented in the solution to facilitate faster and more cost-effective pilots or project deployments.

In addition ChoiceConnect Cell offers the required flexibility to be fine-tuned to your particular requirements.

Two-way communication, compliance to open standards, firmware upgradability and meter modularity make our end-to-end solution a future-proof asset designed to follow the rapid pace at which technology and regulation change.

Itron meters are manufactured to the highest standards in order to secure the longest possible operating life with optimal reliability and optimized to meet every need.

Communication based on GPRS ensures fast deployment which can be optimized on your criteria, without any geographical constraint, and straightforward operation.

ChoiceConnect Cell caters for all requirements: from low to high consumption levels, from simple
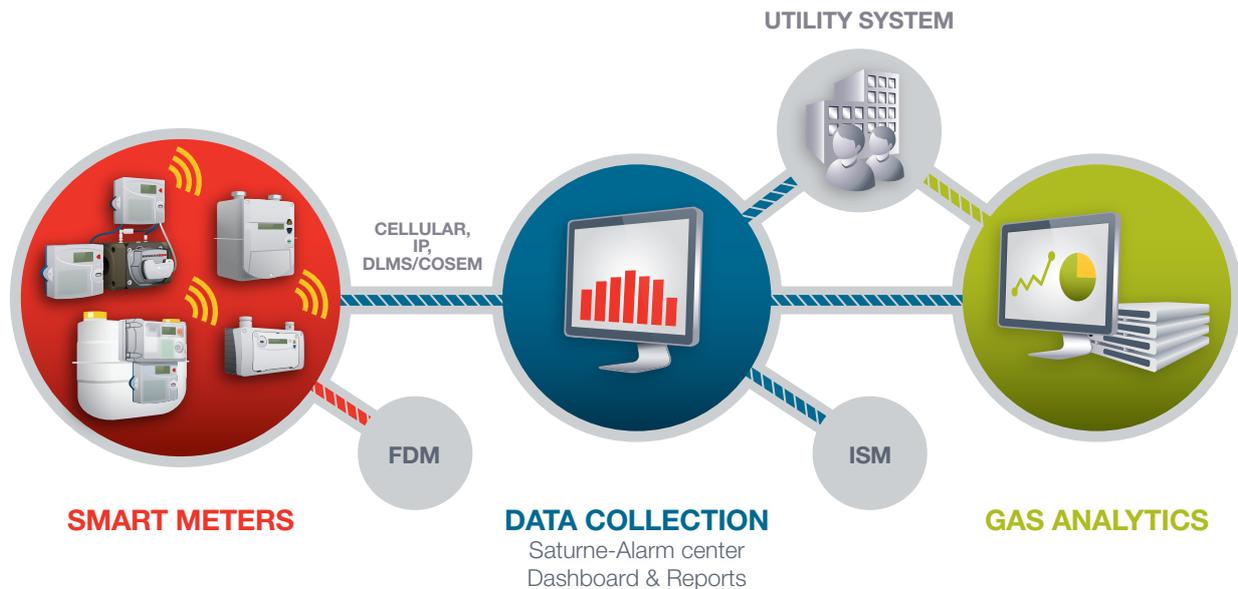
to complex tariff control, you can feel confident that the features and functionality required to meter and serve your customers are available.

Reliability and scalability of our production grade multi-vendor, multi-utility solution is demonstrated through Itron's multiple references among the largest smart deployments.

Security, which is essential to protect your grid and your customers is addressed in the very design of our solution from the meters to your back-office applications. All along the communication chain the transfer of information is secured with top level encryption.

As Smart meter projects can be complex, Itron complements its solutions with its worldwide recognized expertise to help you implement and operate your next generation Smart meter network.

SOLUTION ARCHITECTURE

UTILITY SYSTEM

CELLULAR, IP, DLMS/COSEM

FDM

ISM

SMART METERS

DATA COLLECTION
Saturne-Alarm center
Dashboard & Reports

GAS ANALYTICS

RF1 SV G, GALLUS SV G , ATREVA

Gas residential meters

Itron's smart gas meters have been built upon the proven design and success of previous products and continue to provide reliable and accurate metrology alongside increased functionality and flexibility. These meters have many advantages including a future proof modular concept, remote firmware upgrade and valve operation, and an advanced data logging capacity.

Atreva, Itron's next generation ultrasonic gas meter combines these benefits with highest metrological accuracy and the reliability known from our RF1 and Gallus diaphragm meters.

ECORA

Gas C&I meters

As for residential smart gas meters, this range extends the ACD range functionalities with the features provided earlier by separated Itron electronic volume converters. It offers now an integrated pressure and temperature conversion and meter error correction, and includes a battery powered GPRS modem. Easy to install, even in hazardous areas, designed for long life without recalibration, these meters contribute to revenue protection and to operation cost reduction.

CORUS, CORUS COMPACT

Electronic Volume Converters

Corus and Corus Compact are state of the art electronic volume converters offering a complete range of communication solutions, coupled with outstanding metrological accuracy.

Corus Compact with its small size fits to the limited space of small cabinets for commercial meters, offering efficient battery powered AMI solution on a daily base reading.

Both Corus and Corus Compact support complex features such as remote firmware update and encrypted communication, using market standard protocols such as DLMS/COSEM.

FDM

Field deployment management

FDM is a best-of-breed application designed to increase end-to-end productivity for both new endpoint installation projects, meter shop operations and long-term maintenance projects.

FDM includes management dashboards, advanced power filters, appointment tracking, meter shop operations, claims tracking, exception managing, installer audit engine, route acceptance, invoicing and revenue recognition, system notifications and project inventory features.

SATURNE

Meter data collection software

This multi-vendor, multi-utility data collection software, based on open standards, has been designed to cope with the large volumes of smart metering information that is required in Smart Grid applications.

Saturne has the capability to manage point-to-point (GPRS, PSTN, GSM, Ethernet) and point-to-multi-point (PLC and RF via a concentrator) topologies. It covers also the main protocol standards applicable to Smart Grid data exchange (DLMS/COSEM).

Saturne interacts remotely with C&I and residential meters to read meter data, receive incoming alarms, apply configuration changes or activate functions such as opening a breaker or a valve.

Join us in creating a more **resourceful world**.
To learn more visit **itron.com**

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