

ChoiceConnect Pay

Itron Smart Payment Solution

ChoiceConnect Pay is the leading system architecture to tackle one of the core problems faced by utilities all around the world: protect revenue and ensure positive cash-flow.

KEY BENEFITS

- » Fully international standards based
- » Market proven scalable solution
- » Support for multiple vending channels
- » Pre-payment over any AMI network

SOLUTION OVERVIEW

Centered around Itron's market proven Eclipse Enterprise Edition (3E) software platform, ChoiceConnect Pay provides tried and tested solutions for utilities around the world. From a small utility that only wants to secure positive cash-flow during the rollout of its network of a few hundred meters, to a large multi-national utility corporation facing major non-technical losses within its network, ChoiceConnect Pay provides the solution.

In addition, utilities in the process of building their network, or face the challenge of energy management within an existing network and are under pressure from regulators and governments to deploy

advanced metering infrastructures, can rely on ChoiceConnect Pay to offer a uniquely flexible and scalable approach to handle these challenges.

The Smart Payment Solution offering consists of two distinct solution variants all sharing the same underlying architecture.

TWO-WAY SMART PAYMENT

Itron's two-way smart payment architecture addresses the core challenges of readings and meter park status information. Using standard smart cards as the transport medium, the two-way group of meters do not only receive credit information from the vending system but also return information like readings, alarms and health status back to Itron's Eclipse Enterprise Edition (3E) software platform. The availability of readings and status information within 3E provides utilities with unique new possibilities to address common day-to-day challenges: from improving the management of their field engineering

workforce by knowing about problems in advance to balancing and predicting the load within their network by generating usage profiles, Itron's smart payment two-way provides all the information expected from an advanced metering infrastructure at a fraction of the cost.

AMI SMART PAYMENT

Itron's Cellular or Star Networks Solutions provide unique and cost-effective solutions to deploy large scale advanced metering infrastructure. Combining these solutions with the AMI smart payment architecture allows utilities to manage cashflow and protect revenues while offering their customers the full suite of payment options such as annual post-payment, monthly annuities to pre-payment and pay-as you go. This provides utilities with the assurance that their network is ready for any economic turmoil and allows customers to be in control of their consumption as well as their energy payments.

SOLUTION ARCHITECTURE

TOKEN BASED SMART PAYMENT METERS



AMI BASED SMART PAYMENT METERS

VENDING CHANNELS

3rd Party, Scratch, Online, mPOS, Kiosk, Mobile, PC

EVG

UTILITY SYSTEM

DATA COLLECTION

3E Core*/SPE** + Saturne

*for 2-Way Smart Payment Meters

**for AMI based Smart Payment Meters

GAS ANALYTICS

ECLIPSE ENTERPRISE EDITION (3E)

Designed to be both scalable and adaptable to different customer environments, Eclipse Enterprise Edition (3E) is Itron's software solution for the comprehensive management of all smart payment electricity and gas vending systems. The solution consists of a credit vending component as well as a web accessible administration application for managing customer, point of connection and meter administrative processes using a standard web browser. The software supports Smart Cards token transactions and is the only system existing today that can do it in a multi-fuel environment.

ITRON ANALYTICS

Driven by the utilities need to provide detailed insight into energy consumption patterns, Itron has developed Itron Analytics, an operational database for consumption and meter event data. An easy-to-use web-browser interface, Itron Analytics provides relevant tools that turn metering data into actionable intelligence to improve utilities operations and asset management.

SPE

Itron Smart Payment Engine enables AMI networks to offer pre-payment functionality by providing a market proven vending infrastructure combined with a secure standards based communication solution that ensure that any credit purchased by the customers is transferred and credited on the meter. SPE provides a single well defined Application Programme Interface (API) set that allows quick and painless integration with vending systems, commercial systems and meter data collection solutions.

GALLUS IV PSC / RF1 IV PSC

The Gallus iV PSC meter is the smart-payment version of the Gallus meter which has seen sold worldwide with more than 35 million meters currently installed. The RF1 iV PSC meter features the RF1 meter which is installed in more than 8 million locations worldwide. Both enhanced with a Payflex Smartcard Token, they offer a wide selection of flexible applications. The microprocessor-based Smartcard provides low cost, secure two-way communication between the point-of-sale and the installed meter. The revenue collection module offers innovative, customer-appealing functions such as self-decommissioning, emergency volume and data logging capability. It also provides leak, multiple fraud detection and overflow control.

ELECTRONIC CONTROLLED RETROKIT GAS METERS

It is a highly technological product that is developed to convert all commercial and industrial type of Diaphragm, Rotary and Turbine gas meters to prepayment system which communicate with a smart card. Retrokit eliminates completely the risk of irrecoverable debt accrued for customers whose consumption value is high and from whose collection of revenues is problematic. It eliminates the problem of human and vehicle allocation to read the meter index for customers who are away from the city and difficult to reach.

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

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