



Junifer Systems

Junifer Utility Overview

Our Utility back office software has been designed to seamlessly integrate with Smart Meter technology that is currently being deployed in utility networks globally. The Junifer back office software suite consists of the following products -

- Junifer AMR
- Junifer Utility CCB
- Junifer Utility Rating
- Junifer Analytics
- Junifer Web Portal

The volumes associated with Smart Meter rollout can be overwhelming. For instance in just the first two hours of operation, a Smart Meter implementation will generate the same amount of usage data on a customer as would have been manually recorded in the previous year. In just 10 days, it will generate more data than would have been collected in the previous 100 years. Utilities so far have been focused on the hardware and communications aspects of their Smart Meter rollout programs. Now emphasis is moving towards how best to maximise the value of their investment and particularly the data streaming in from the millions of new measuring devices. Specifically questions are being asked about how best to turn this data into meaningful information to gain greater operational intelligence, optimize the business and ultimately become the market leader. Junifer's products provide the critical building blocks necessary to achieve these goals.

Flexibility

The Junifer solution enables business innovation and competitive advantage through a modular design. Our software is designed to support the complex needs of utility operators effectively 'out of the box'. It can support both the current and future needs of the operator from a single solution. This unique capability enables the utility company to manage their transition to a 'next generation' smart environment in a timely and measured manner.

Scalability

Traditionally utility bill processing was based on taking estimated or measured readings on an irregular basis. With the advent of the Smart Meter, utility operators have access to more accurate and timely data, potentially to a granularity of half an hour. The ability to access and process such data provides utility operators with many opportunities to differentiate themselves within the market and provide a high value proposition to customers (e.g. proactively inform customers of abnormal usage in near real time). Furthermore this more valuable, granular data can provide the business with more accurate predictive capabilities.

Cost Effectiveness

The Junifer product suite is underpinned by a distributed component architecture. This design approach enables the system to scale and support an increase of customer accounts and/or frequency of meter readings through the introduction of additional commodity hardware.

The software utilises the latest Graphical User Interface (GUI) design concepts ensuring the look-and-feel is consistent with modern applications. Furthermore, it is fully internationalized so that each user may experience the software in a language of their choice thereby ensuring that the application is easy to rollout and use in an enterprise utility environment. Ultimately this leads to ongoing cost savings through automation and efficient working processes.

“Smart Systems for
Smart Utilities”



Junifer Utility Products

Our products are effectively Smart Meter agnostic; they are able to simultaneously process multiple data feeds from multiple meters types and formats, regardless of the manufacturer. The Junifer product suite provides utility distributors and suppliers with solutions that add genuine value to their business and provides a platform for competitive advantage.

Junifer AMR

The Junifer AMR (Automated Meter Reading) module takes Smart Meter data directly from metering collection systems. It can take data in any given format and can either pull the data directly from the downstream system or wait for the data to be pushed. It supports all known metering systems and can process the information as it is made available by the metering system. In this way, it ensures that the Utility Operator has an up-to-date and accurate snapshot of the consumption profile as soon as it is practically available. Any errors are presented and managed through a dedicated Graphical User Interface (GUI). Once errors are fixed (e.g. missing meters are loaded into the database) the GUI allows the user to re-process them without the need for any manual file intervention.

Junifer Utility Rating

The Junifer Utility Rating module takes the data from the Junifer AMR system and applies rating and collection logic to the information. Data taken from a collection system can often be inconsistent and sometimes contains contiguous gaps where problems with the meter or distribution network may have prevented automated readings being downloaded to the collection system. The Junifer Rating module is designed to take account of these issues and use intelligent logic to make accurate estimates against the previous and future patterns. In this way, the rating module is continuously pricing data against the configured price plans within the Junifer CCB system.

Junifer Utility CCB

The Junifer Utility CCB module is a set of rich GUI applications used to configure and monitor the Junifer system. It enables CSRs (Customer Service Representatives) to easily access all information relating to the end customer including their service orders, products, associated price plans, multi-utility (energy, water, waste, telco) usage information and invoice images. It also provides the system administrators with the ability to manage the end-to-end processing including bill production within the Junifer system. The application has been developed using modern design techniques, adheres to current GUI guidelines and is fully internationalized so that each users may experience the software in the language of their choice. The Junifer Utility CCB module includes the Junifer Utility Rating module.

Junifer Analytics

The Junifer Analytics module enables the utility operator to provide tailored messages to the consumer on how they might reduce their energy bills through pragmatic changes in their daily energy consumption. It profiles the energy usage of the consumer and applies predictive modeling techniques to determine how changes in the consumer's lifestyle may result in a reduction of their energy bills. This ultimately provides the consumer with long term cost savings and the knowledge that they are reducing their overall carbon footprint so helping improve their 'green' credentials. The utility operator will also benefit from being able to more accurately predict future demand.

Junifer Web Portal

The Junifer Web Portal provides the business with an integrated web solution enabling customers to view their account, bills, bill images and multi-utility usage. The Junifer system is typically configured to reduce the volume of printed invoices through electronic billing thereby saving in both paper usage and related bulk mailing costs.

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