MONITOR

AUS0060-001

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Technology

The Automated Utility Systems AUS-iot Monitor is a product that provides the interface between the meter in the field and the backend AUSiot Services. This AUS-iot Monitor enables the effective monitoring and control of the customer's utility service.

The AUS-iot monitor provides the cost effective and efficient link to the backend AUS-iot Software Systems. The Monitor provides a versatile platform for onsite utility meter monitoring. The interface to the meter is configurable.

The AUS-iot Monitor accommodates the following input options: reed switch, digital pulse and analogue signal.

Technology

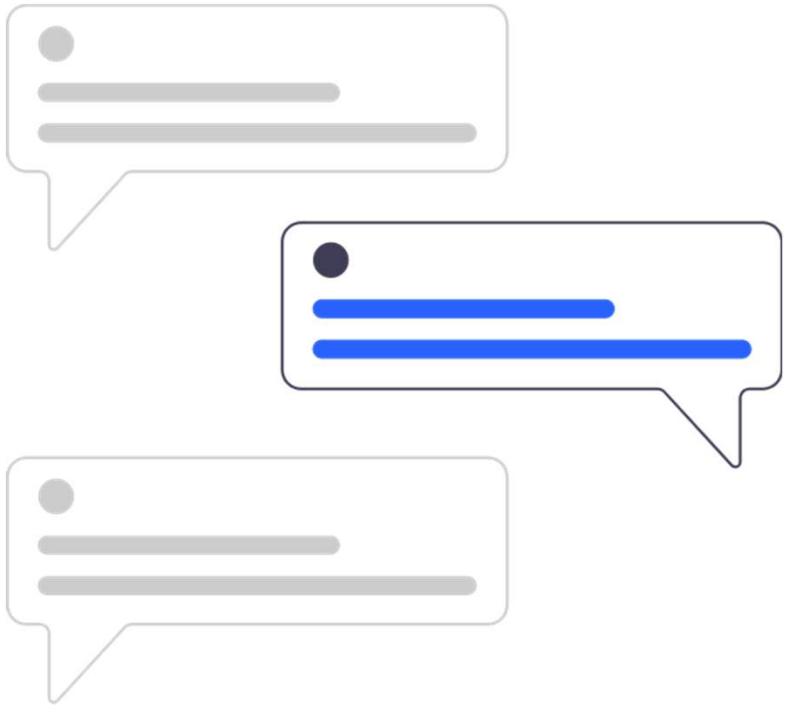
The meter readings and the event data captured by the AUS-iot Monitor are transmitted via radio signal to the AUS-iot Gateway and then on to the AUS-iot Services. The collected data is collated and evaluated by the AUS-iot Services. This data is used to generate billing files, management reports, E-Bills, notifications, and database updates.

The radio protocol utilised within the AUS-iot system is based on a protocol that provides dynamic, realtime configuration of the radios. That is to say the protocol dynamically adjusts to the communication requirements and is not fixed in nature. The protocol is specifically suited to dense, urban environments and excels in rural terrain.

Notifications

The AUS-iot Services support direct notification via E-Mail to the management and tenants. The notifications include billing alerts, leak alerts, out of profile consumption and excessive usage notifications. Notifications are selectively enabled.

The services also support tenant configurable notifications directly to their mobile phones.



Radio Solution

AUS-iot products use a cutting edge and class leading radio solution that is based on the Semtech LoRa® wireless protocol. The protocol is dynamic and energy efficient, thus maximises both performance and product life, thus resulting in a highly cost effective solution.

Electronic Billing

The AUS-iot solution being based on electronic meter reading, ensures accurate and fair billing with improved customer service and satisfaction.

The AUS-iot solution supports multi utilities, including, cold and hot water, electricity and gas. The solution supports the billing all combination of utilities as well as accommodating sundry charges.

The E-Bills can be generated and distributed weekly, bi-weekly, monthly or quarterly.

The solution supported most tariff structures including fixed, straight line, step, time of use as well as the inclusion of monthly charges.

Addressing Your Needs

Automated Utility Systems provide a fully-fledged utility management solution that is suited for building management in highrise, office blocks, apartments or individual dwelling. Our solution is equally well suited for use in gated estates, as it is in rural and municipal utility management.
AUS-iot products interface to a large number of standard utility meters and the AUS-iot Services provides the platform for the effective monitoring and control of these utilities.

Management Reporting

A comprehensive suite of management tools is provided, including reports, control functions, database management, data analytics and billing. AUS-iot Services makes it easy to implement an effective revenue management system.

Examples of reports provided are:

- Individual and sitewide daily consumption.
- Top & bottom percentile users.
- Customer details
- Leak / burst / tamper notification.
- Utility supply balance
- Radio reports.
- Data analytics

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