

# AUS-iot MONITOR

Automated Utility Systems



# AUS-iot™ Technology

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

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

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

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 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, real-time 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 open rural terrain.

## Your Needs Addressed

Automated Utility Systems provide a fully-fledged E-Billing system that is suited for application in high-rise, office and apartment building management. It 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 meters.

## Management Reporting

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

Examples of reports provided are:

- Individual and site wide daily consumption.
- Top & Bottom percentile supply points
- Customer details
- Leak / burst / tamper notification
- Data analytics

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## Notifications

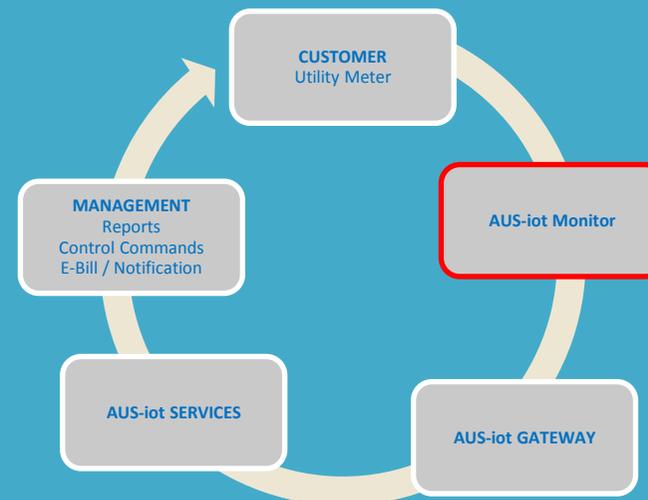
The AUS-iot Services support direct notification via E-Mail to the management and tenants. They include billing alerts, leak detection, out of profile consumption and excessive flows. Notifications are selectively enabled.

## RADIO Solution

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

## Hot & Cold Billing

The AUS-iot product range supports electricity, cold and hot water E-billing. The hot water billing is based on actual consumption as it relates to the thermic gas consumption charges. The E-Billing can be any combination of electricity, hot and cold water billing. The bill can also accommodate other sundry charges. The E-Bills can be generated and distributed weekly, bi-weekly, monthly or quarterly. The tariffs supported including fixed, straight-line, step, time of use as well as the inclusion of monthly charges.



## End-to-End Solution