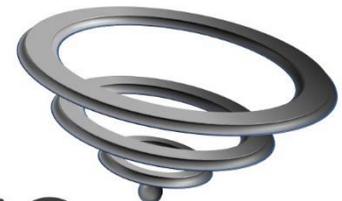


AUS-iot GATEWAY

Automated Utility Systems



AUS-iot

AUS-iot™ Technology

The Automated Utility Systems AUS-iot Gateway is the product that provides the link between the AUS-iot Monitor and AUS-iot Services. The AUS-iot Monitor being the device installed in the field and the AUS-iot Service being the WEB presentation of relevant information. The services allow for the effective monitoring and control of the customer End Devices. The AUS-iot Gateways listen and collect all the relevant signals transmitted from the End Devices.

Meter readings and 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 utilises 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.

The Automated Utility Systems products such as the AUS-iot Gateways support the LoRa® radio protocol.

Gateways

Automated Utility Systems provides a range of gateways, they suit a variety of installations, from low to high volume high density requirements.

Automated Utility System's gateways are implemented utilising 3rd party off the shelf product that have been configured to suit the AUS-iot network.

Backhaul

The recommended gateways support a number of backhaul options which include the following:

- 2G / 3G & 4G
- Wi-Fi
- Ethernet

Data Security

Data transmission security and integrity is ensured through End to End encryption of the transmission, conducted under a unique session key. Thus ensuring that the encryption of the data differs for each End Device with each session. The identical level of security is applied to the backhaul data link from the Gateways to the Servers. Automated Utility Systems makes use of professional cloud based server, data storage and backup services, thereby ensuring that your data remains secure and accessible from any location worldwide.

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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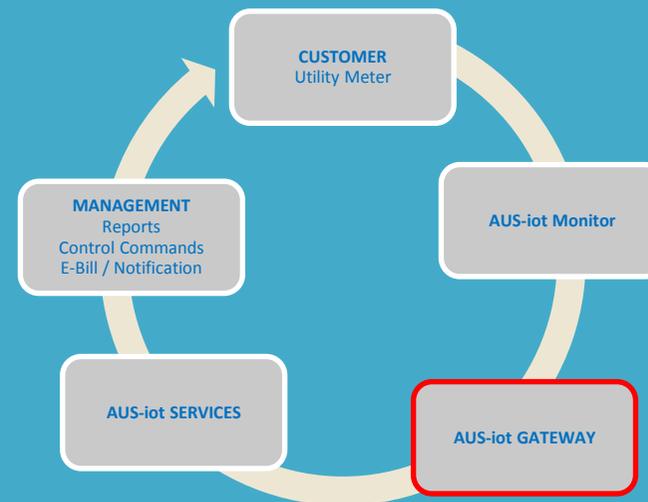
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End-to-End Solution