kamstrup

Radio Link Network

Plug-and-play communication for battery operated utility meters

Multiple utilities and multiple meter makes

A Kamstrup Radio Link Network is a wireless infrastructure built to collect data from utility meters (heat, cooling, gas and water).

The network communication complies with the EN13757-4, C-mode standard for Wireless M-Bus communication and operates with all meter makes and meter types following this standard.

Hourly values with 16 years battery life

A Radio Link Network combines the ease of RF communication with the framed format of M-Bus communication in a wireless M-Bus protocol.

The protocol uses one-way radio to communicate, and the communication time is kept so short and quick that even battery operated meters can maintain frequent communications and still maintain a long battery life.

Easy deployment and low operating costs

Utility meters in the network link directly to a high-positioned concentrator.

If wireless M-Bus meters are within range, the concentrator automatically identifies, connects and reads data from the various meters.

This even accounts for meters added subsequently, keeping deployment and operation costs to an absolute minimum.

Plug-and-play with wireless technology

A Radio Link Network is tailored for utilities, who demand plug-and-play solutions for automatic meter reading.

Using wireless technology, the network simplifies the process of building an infrastructure. It requires only few components, is easy to set up and needs very little configuration.

Comprehensive network coverage

A few concentrators placed in high structures reads the meters via the Wireless M-Bus radio signals. In Urban areas advanced radio technology enables the concentrators to cover up to 3 kilometers in radius.

Even for meters installed in unusual tough reading conditions the Radio Link technology offers a solution by installing intermediate battery operated signal repeaters and external meter antennas.

Intelligent installation tool

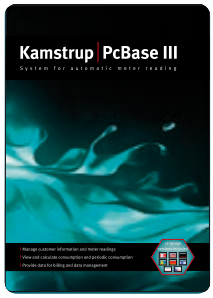
A Radio Link Network solution also includes the intelligent READy Installation tool. The READy Installation tool is an simple and intuitive smartphone based installation tool.

With this tool it is possible for the installer to verify the signal quality of the installed meters before leaving the installation thus avoiding revisits.

User-friendly front-end system

The front-end software Kamstrup PcBase III provides data acquisition and communication management for the Radio Link Network.

PcBase III has a user-friendly interface to provide users a simple and manageable overview of consumption data from various utility meters.

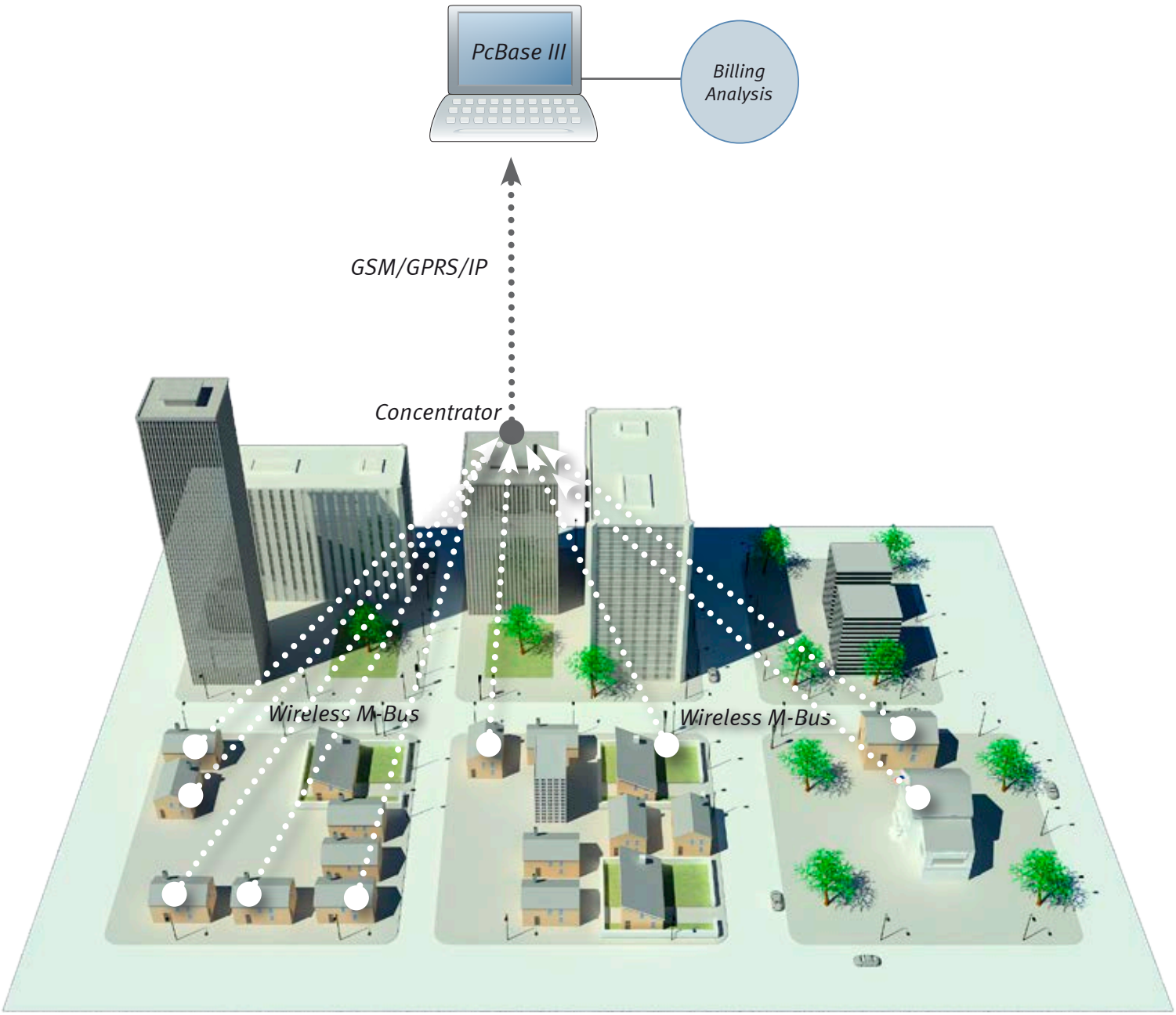


PcBase III also includes features for the operation and maintenance of the communication infrastructure.

PcBase III manages all customer information and meter data collected via the Radio Link Network. It enables data export to billing systems and data integration with systems and applications for customer relation management and operations optimization.

PcBase III is scalable and allows multi-user access.

Radio Link Networking



Get started with Radio Link Network

If you wish to know more about the Kamstrup Radio Link Network and how to get started with Wireless meter reading, call us today and learn about the high performance and reliability our customers are used to.

Facts and figures about Radio Link Network

Frequencies:	868 MHz unlicensed ISM band
Range:	Depending on topology and building density: up to 3 kilometres
Standards used:	EN13757-4, C-mode (wireless M-Bus protocol)
Data security:	AES 128 Encryption
Wireless Repeater:	IP68, 16 years battery life
Installation tool:	READy Installation Tool

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Think forward

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