



## DATA SHEET

# OMNETRIC Smart Water Meter Data Provision solution

A cloud-enabled, plug-and-play solution to transform smart water meter data into insights for customer care and billing, analysis, operations and maintenance

## Smart water meter data management – at last!

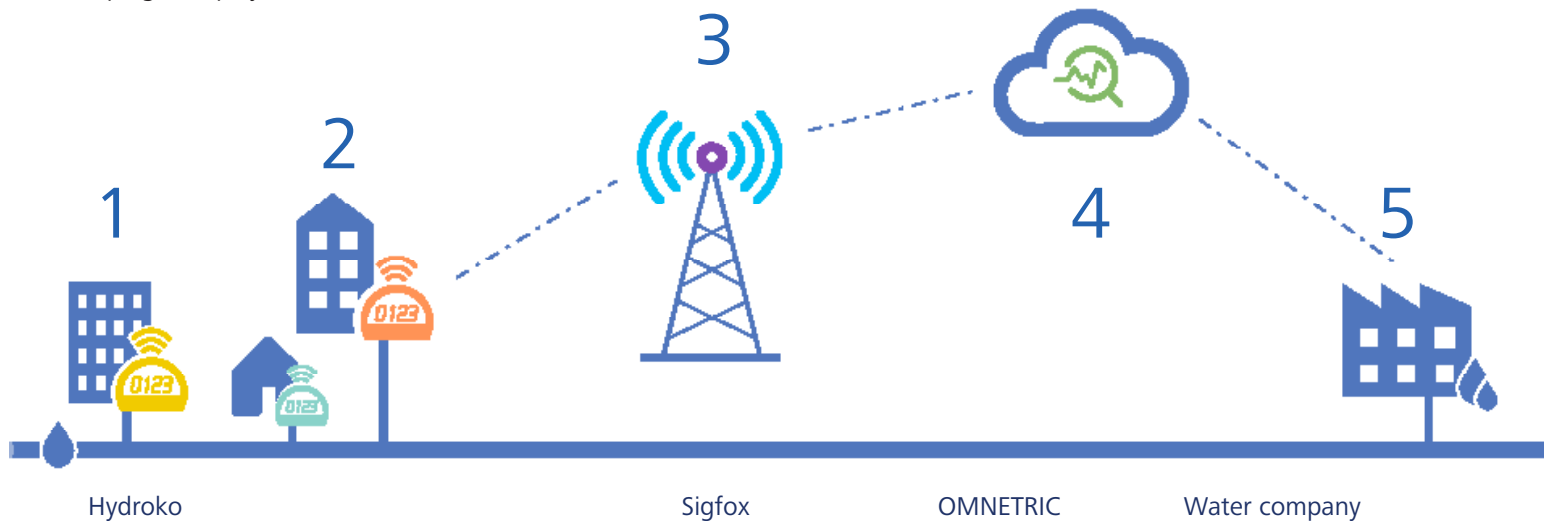
With the arrival of smart meters, it has become possible to more closely monitor and measure consumption. However, accessing smart meter data at long range, putting it into a useable format, and getting it where it needs to go to inform decisions has not been easy to do – until now. The OMNETRIC Smart Water Meter Data Provision solution provides water companies with data in an immediately useable format for billing, customer care, analysis, operations and maintenance. We bring a combination of sector knowledge, engineering, data, analytics, security and integration skills to deliver smart meter data that enables water utilities to:

- Increase consumer satisfaction and engagement through improved billing accuracy and value-added services such as leak and frost detection and real-time usage awareness.
- Enable pre-paid services using the flow control capabilities of the smart water meter in combination with real-time usage data.
- Reduce loss by reconciling distribution volumes with user consumption to identify imbalances, and quickly detect, prevent, and repair leakages and un-metered usage.
- Lower maintenance effort and decrease the costs related to meter inspections, usage retrieval and connect/disconnect activities by making use of push/pull messaging for data acquisition and meter management through the OMNETRIC Smart Meter Data Cloud.
- Improve demand management and conservation. Hourly usage measurement supports time-variable pricing and encourages efficient end-user behavior.



## How does it work?

OMNETRIC Smart Meter Data Provision brings together technology components from OMNETRIC ecosystem partners, with the OMNETRIC Smart Meter Data Cloud (see below) to create an end-to-end, plug-and-play solution:



### Hydroko

1. The water company installs Sigfox-compliant smart water meters, like the HydroKonekt SMART from Hydroko, that are able to transmit ultra narrow band (UNB) messages.

2. The smart meters can send up to 12 messages and receive up to six messages a day with information relevant to the water company.

### Sigfox

3. The Sigfox base stations constantly monitor the spectrum to pick up transmitted UNB messages from the smart meters.

### OMNETRIC

4. The messages are sent to the OMNETRIC Smart Meter Data Cloud, built on Siemens EnergyIP. Here, the payload is translated into useable data and the content validated and stored. Where required estimations and calculations are made to further enhance the data.

### Water company

5. The water company receives prepared data ready to be used in billing, customer care, operations and maintenance processes.

## OMNETRIC Smart Meter Data Cloud

The OMNETRIC Smart Meter Data Cloud is the central component of the OMNETRIC Smart Water Meter Data Provision solution. It is here that data is collected, validated and processed to provide insights that can be used by the water company in billing, customer care, operations and maintenance processes.

The OMNETRIC Smart Meter Data Cloud is built on Siemens EnergyIP, configured for the water sector and enabled for specific water use cases. Based on a service-oriented architecture, Siemens EnergyIP is the utility industry's leading integration platform and business process management system for meter data management that:

- Acts as a flexible platform, linking multiple smart meter and intelligent grid technologies with utility business information systems.
- Provides scalable meter data processing and management, as well as a common system of record to support smart grid management functions.
- Enables business process integration and automation for smart grid management through the EnergyIP Application Suite.

## Want to learn more?

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## About OMNETRIC

OMNETRIC is dedicated to helping energy providers reap the benefits of the digital energy system by integrating their energy operations with IT to support their business goals.

Our global team of engineering, IT, security and data experts brings extensive industry experience to help customers discover and exploit data intelligence to capitalize on industry change, and realize new business models.

Helping customers since 2014, we are an inventive, technology services company. For more, visit [www.omnetric.com](http://www.omnetric.com).

OMNETRIC is a Siemens company.