

# Data management

## Products and solutions

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We offer a huge selection of different products and solutions which you can comfortably read and transmit meter data for further use in a target application of your choice. Thanks to our versatile product range we can offer to implement customer-specific application scenarios. To sum it up we always offer the perfect solution for your specific requirements and local situations.

### You can trust on

- The use of most modern transmission technologies for a quick, comfortable and error-free reading of your water and energy meters
- Different systems for a semi-automatic remote meter reading (example: walk-by / drive-by)
- Fixed network systems for a fully automatic remote meter reading
- A mobile app for parameterising aquaradio® and aquastream® modules

### Your advantages are evident

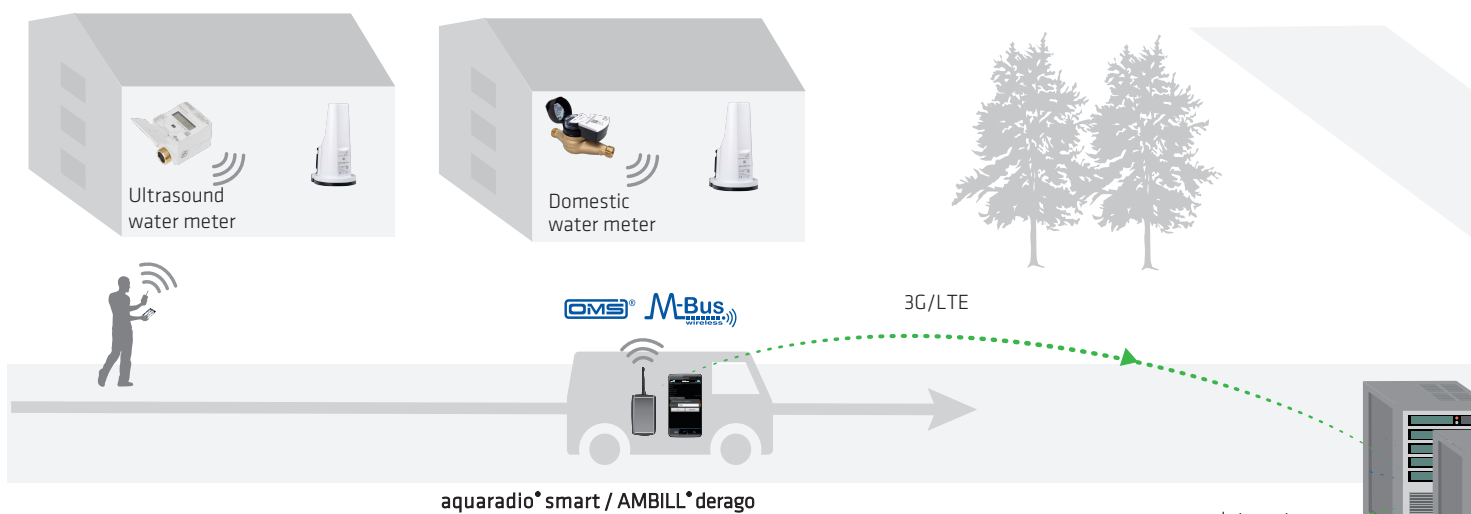
- You can fully concentrate on your core business, not on the question of how you will receive your meter data.
- You can reduce your personnel expenses for data collection and in this way also your costs.
- You can prevent unnecessary problems with customers (reading issues, no access to meters required).

# Remote reading walk-by / drive-by for energy and water suppliers

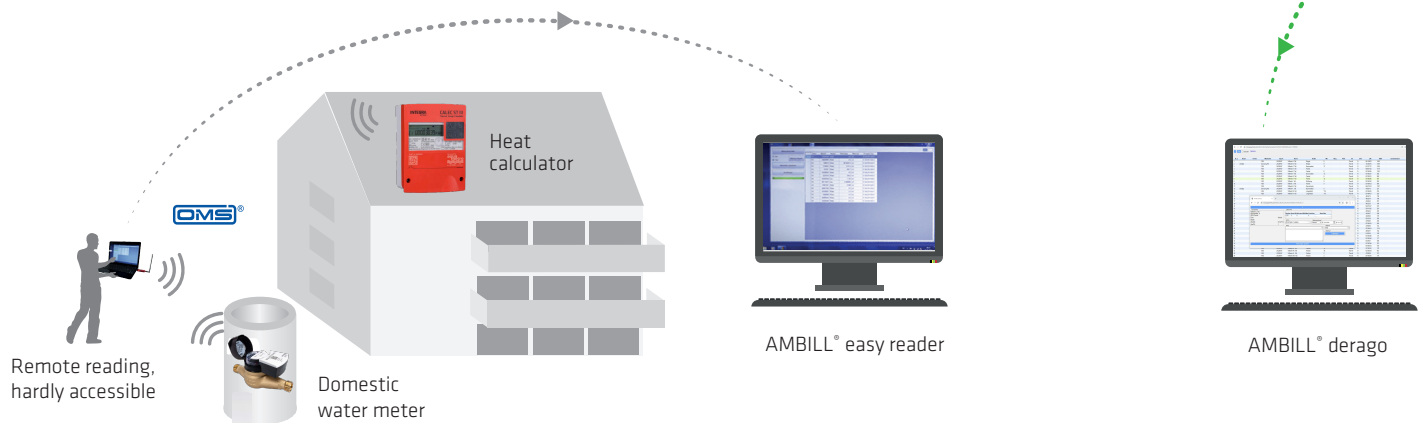
As energy / water supplier you want to prepare your annual consumption billing. Therefore, you need a precise and comfortable solution for actual meter data collection.

The meter data is either collected by a reading person walking by or with a slowly driving vehicle. You are even more flexible with our solution «AMBILL® derago MZE».

## Mobile Remote reading « walk-by / drive-by »



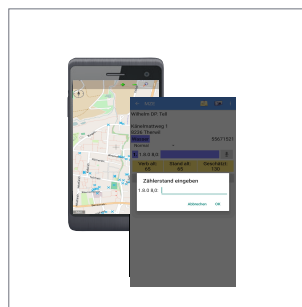
The person reading the meters is slowly driving along the street and receives aquaradio® smart and an Android-based smartphone the data of OMS-transmitting meters (technology: wireless M-Bus).



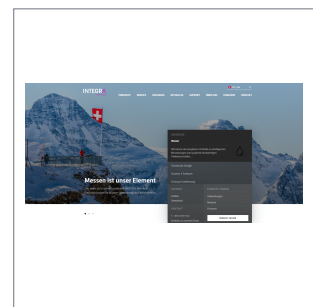
AMBILL® easy reader  
Stationary reading  
of radio meter



aquaradio® smart  
Radio transmitter, receiver  
« walk-by / drive-by »



AMBILL® derago  
Mobile meter reading collection



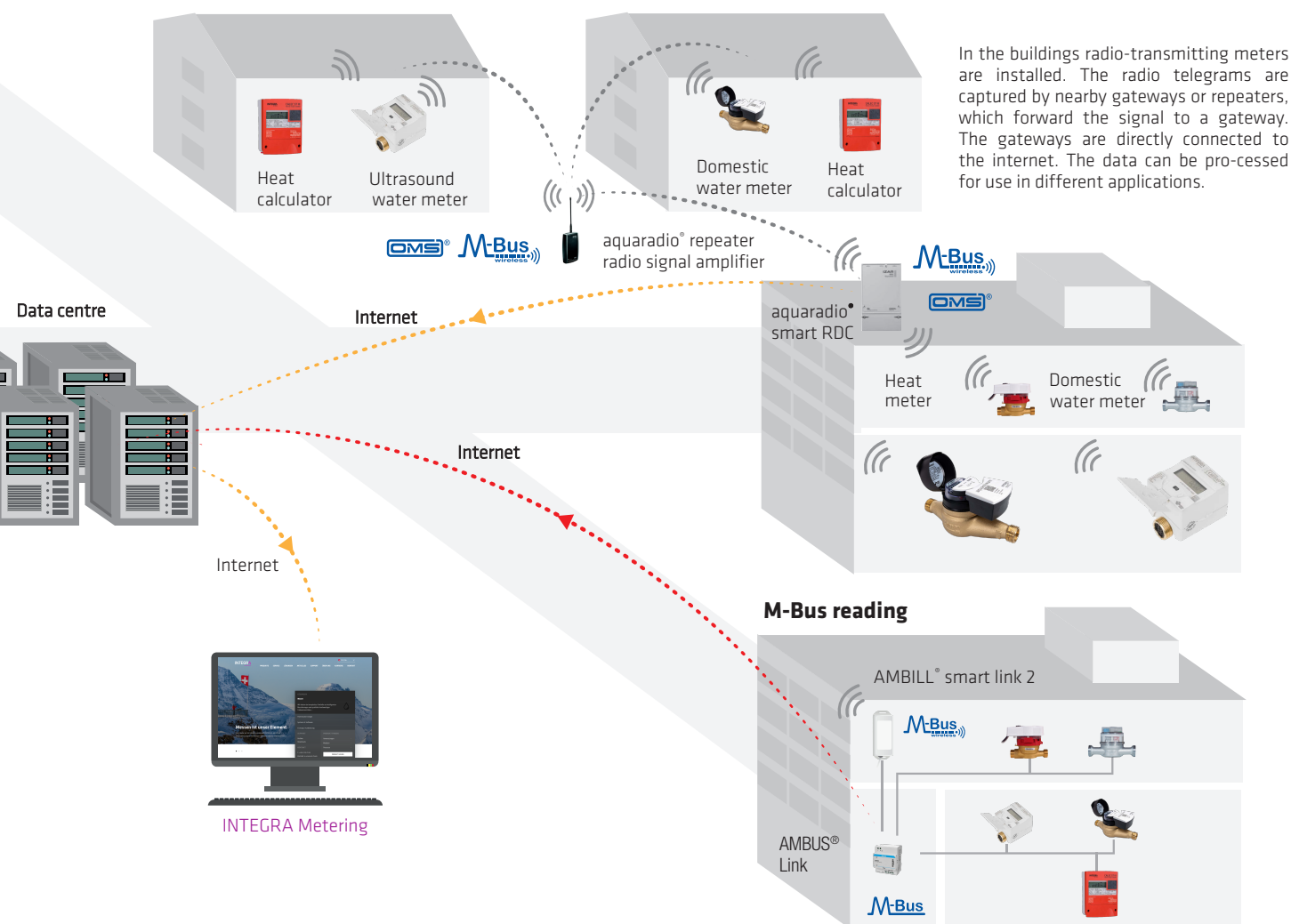
Web-based billing of heating  
and auxiliary costs

# Fixed network and radio readout for facility management

As energy / water supplier you wish for precise billing and/or want to operate a monitoring system for your meters. In this way you realise in time, if there are any device errors, manipulation attempts, flow patterns in your supplier network, leakages or even a water pipe breakage. Of course we also make meter data available for energy data management systems according to ISO 50.001 or for client applications (customer portals, service app).

Fixed network arrangements generally have the advantage that the data is captured in a fully automated process from the meter to a certain target application. Such a machine-to-machine communication (M2M) enables frequent reading cycles (e.g. every 15 minutes) and offers the opportunity that the meter is reporting independently to a superordinate system and possibly sends an alarm (alarm function in case of manipulation, water pipe breakage etc.)

## Relevé par radio Wireless M-Bus/OMS



In the buildings radio-transmitting meters are installed. The radio telegrams are captured by nearby gateways or repeaters, which forward the signal to a gateway. The gateways are directly connected to the internet. The data can be pro-cessed for use in different applications.



AMBUS® Link  
M-Bus data centre  
«fixed network»



AMBILL® smart link  
Convertisseur Wireless  
M-Bus



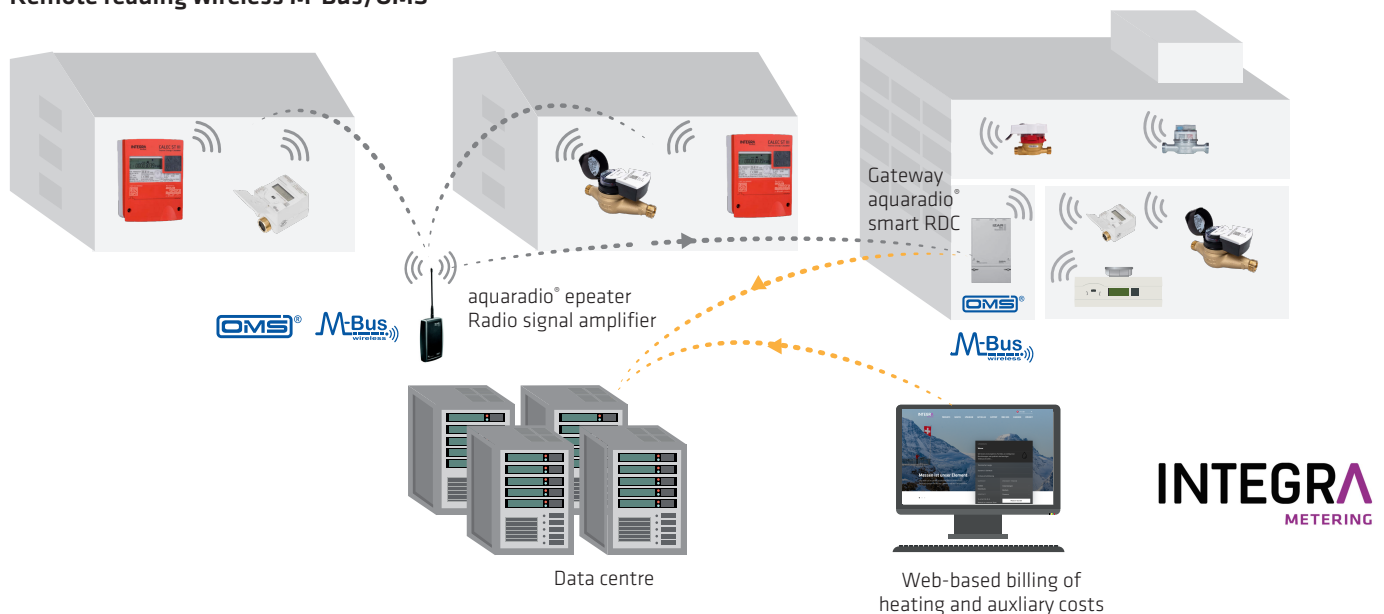
aquaradio® smart RDC fixe radio  
reading / aquaradio® Wireless M-  
Bus/OMS Repeater  
(amplification)

# Fixed network and radio readout for facility management

In facility management you enormously benefit from an automated meter reading system, which transmits you the individual and precise energy and water consumption values directly to your billing solution. The installation of a fixed network radio system for individual buildings is much easier to implement compared to solutions for energy suppliers. Often a single gateway with internet connection is sufficient, which continuously captures and transmits the meter data.



## Remote reading wireless M-Bus/OMS



## Your advantages at a glance

- Better billing quality and quiker reading of the meter park
- Tailored setup according to the installation requirements
- Access to apartments and hard to reach meters is not required anymore
- Enormous time saving due to compressed, collected reading
- High reliability and durability thanks to the use of high-quality products
- We offer also first-class service as an addition to our solutions (telephone support, commissioning, trainings, interface programming)



**INTEGRA Metering AG**  
 Ringstrasse 75  
 CH-4106 Therwil  
 +41 61 725 11 22  
[info@integra-metering.com](mailto:info@integra-metering.com)  
[www.integra-metering.ch](http://www.integra-metering.ch)



**INTEGRA Metering SA**  
 Rue de l'Oyonne 1  
 CH-1800 Vevey  
 +41 21 926 77 77  
[info.vevey@integra-metering.com](mailto:info.vevey@integra-metering.com)  
[www.integra-metering.ch](http://www.integra-metering.ch)



**INTEGRA Metering GmbH**  
 Kurt-Schumacher-Allee 2  
 DE-28329 Bremen  
 +49 421 871 64 0  
[info.de@integra-metering.com](mailto:info.de@integra-metering.com)  
[www.integra-metering.de](http://www.integra-metering.de)



**INTEGRA Metering Asia Pte. Ltd.**  
 10 UBI Crescent, #04-21  
 UBI Techpark, Singapore 408564  
 +65 6899 1980  
[info@integra-metering.com](mailto:info@integra-metering.com)  
[www.integra-metering.com](http://www.integra-metering.com)