

CASE STUDY

WIRELESS WATER CONSUMPTION MONITORING IN RESIDENTIAL APARTMENTS

B METERS UK were approached by one of the UK's leading companies in meter billing to offer support on a large-scale residential complex. The project involved installing a water meter in each residential apartment to monitor water consumption and record the data at a centralised point within the building, with the functionality to send automated emails at pre-set times.

THE PROBLEM

As the location wasn't a new build, B METERS UK assisted in a site survey to check the viability of a wireless M-Bus setup with an RFM-C3 concentrator in the plant room. In order to perform the site survey, B METERS utilised a HYDRODIGIT DN20 wireless M-Bus water meter with the RFM-RX2 wireless receiver and the BMETERING wireless M-Bus to check the strength of the wireless signal between the obstacles, the receiver and the wireless M-Bus water meter.

When it was established that the signal wouldn't be an issue to any of the furthest points from the wireless M-Bus concentrator with an additional repeater, we then proceeded with the completion of the order.

THE SOLUTION

The HYDRODIGIT water meter was selected over the GSD8 or the GMDM-I, as the meter can be installed in any orientation, even upside down, whilst maintaining the same MID R160 approval. The ability to mechanically install the meter without any prior configuration to the wireless M-Bus on each meter also saved valuable time on site.

GET IN TOUCH

If you would like to find out more about the B Meters wireless M-Bus range, please don't hesitate to contact our sales team on **01157 722506** or email at sales@bmetersuk.com

SOLUTIONS IN THIS PROJECT



200x HYDRODIGIT

Digital single jet smart meter with Wireless M-BUS OMS integrated transmission module



1x RFM-C3

Wireless M-BUS data concentrator



1x RFM-RPT-3

Wireless M-BUS signal repeater



1x RFM-RX2

Wireless M-BUS receiver/configurator



2x BMETERING-1

Software license for wireless configuration



DESIGNING, PRODUCING AND DISTRIBUTING SOLUTIONS FOR OVER 25 YEARS

B METERS is an Italian company that has been designing, producing and distributing instruments and solutions for measuring the consumption of water and thermal energy used for heating and cooling, for over 25 years.

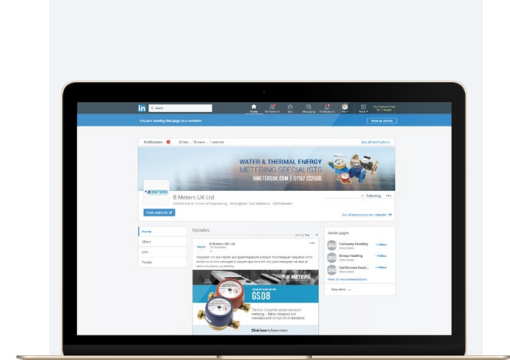
The yearly production currently exceeds 1,800,000 units, putting B METERS in a leading position both at national and European level.

The product range includes turbine (velocity) type single and multi-jet water meters with mechanical or magnetic transmission, Woltmann meters, irrigation meters, flow meters, thermal energy meters and heat cost allocators with direct reading, or complete with integrated modules for the remote transmission of the consumption data.



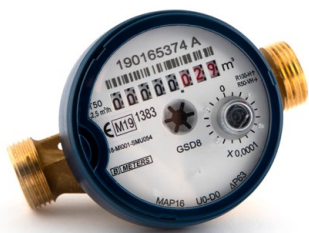
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THE BMETERS RANGE



WATER METERS



THERMAL ENERGY METERS



READING SYSTEMS



M-BUS SOLUTIONS