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PRESS RELEASE

Radiocrafts and Smarteq Wireless demonstrate an impressive 1.5 km range for Wireless M-Bus AMR systems

Oslo, Norway, and Täby, Sweden, 2009-10-05

Radiocrafts and Smarteq Wireless have demonstrated over 1.5 km range from a utility meter to a gateway in a Wireless M-Bus system using state-of-the-art antennas and RF modules. The system is compliant to the new Open Metering System (OMS) specification and NTA 8130 / DSMR.

The Wireless M-Bus standard (EN 13757-4:2005) is used for the communication between electricity, gas, water and heat meters and a Multi Utility Communication (MUC) controller (concentrator). Long radio range is important to make a reliable and cost efficient system, reducing the number of MUCs required to cover a large geographical area.

By combining the leading RF performance of the recently released RC1180-MBUS3 radio module from Radiocrafts with high performance antennas commercial off-the-shelf (COTS) from Smarteq, a Line-of-Sight range of 1.5 km was achieved for Wireless M-Bus T1 mode. The slightly directive high-efficiency antennas are excellent for wall-mounted utility meters, where the peak radiation (or reception) can be pointed in the most effective direction.

The RC1180-MBUS module combined with the Smarteq antennas meets the European radio regulations for license-free use.

Hallvard Moholdt, Technical Solutions Manager at Radiocrafts, commented: "The demonstration done with Smarteq antennas show that Wireless M-Bus can achieve an impressive range. We are happy to work together with the experienced Smarteq team to propose a combined solution where the important antenna-parameters are well handled. The Smarteq antennas are also a good choice for the other modules in Radiocrafts' huge footprint-compatible module portfolio".

Fredrik Ugglå, Key Account Manager at Smarteq Wireless, added: "We are proud to see that our antennas give excellent range performance when paired with the Radiocrafts RF modules."

Visit us at Metering Europe in Barcelona, Spain, from 6 to 8 October (Radiocrafts at stand no 201, Smarteq Wireless at stand no 731) to hear more about our wireless AMR solutions and see our wide range of antennas.

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About **Radiocrafts AS**: (www.radiocrafts.com)

Radiocrafts is a leading RF module design and manufacturing company. Radiocrafts' standard RF modules provide compact, easy-to-use, low cost, low power and high performance RF solutions for a large number of wireless applications using license-free ISM bands. Using modules OEM manufacturers without RF design knowledge can easily add wireless technology into their design, reducing time-to-market, cost of design, test and compliance approvals. Radiocrafts also offers custom and application specific product development, supporting customers from initial project ideas to volume product delivery.

About **Smarteq AB (publ)**: (www.smarteq.com)

Smarteq AB (publ) is a leading Antenna Company that supplies and develops high-quality antennas and antenna systems for communication between vehicles, machine-to-machine (M2M), and wireless transfer of voice and data. Smarteq is active in the OEM-market and in the aftermarket. The company is represented by distributors and agents in more than 30 countries worldwide. The head office is located in Stockholm, Sweden. Smarteq is listed on First North of the Stockholm Stock Exchange.
For more information: www.smarteq.com