

PRESS RELEASE

Radiocrafts and Kamstrup announce interoperability for new low power metering standard

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Radiocrafts AS, a leading provider of compact RF modules, and Kamstrup, a leading manufacturer and provider of utility meters, now announce interoperability for the new C-mode in prEN 13757-4:2010.

The new C-mode ("Compact mode") has been specified to reduce the power consumption and increase the lifetime of battery operated utility meters. Kamstrup and Radiocrafts have actively taken part in the revision of the EN 13757-4, the only European Norm for wireless meter reading. This work has led to a very efficient communication mode for battery operated utility meters.

Compared to previous modes the new C-mode offers a new physical layer with optimized data coding giving an increased throughput of more than 50% for meter transmissions and over 200% for communication to the meter. A new optimized link layer and compression of data in the application layer gives further increase in data throughput, and hence increased battery lifetime. And a new optimized encryption scheme has been implemented to increase the security of the data communication and ensure privacy of the consumer.

The new C-mode is supported in the MULTICAL[®]21 ultrasonic water meters from Kamstrup, and the RC1180-MBUS module from Radiocrafts.

"By announcing support for the new C-mode in our industry leading Wireless M-Bus stack, we have again demonstrated our technological leadership in embedded wireless solutions for AMR. We are happy to bring the benefits of the new low power mode to the market by showing interoperability with Kamstrup, a leading provider of utility meters", says Peder Martin Evjen, Managing Director of Radiocrafts.

"Achieving interoperability with Radiocrafts has been important for us to show acceptance of the new standard, which truly demonstrate a remarkable increase in the lifetime of battery operated meters in AMR systems", says Lars Bo Kristensen, Division Director of Kamstrup.

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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 Kamstrup A/S: (www.kamstrup.com)

Kamstrup is a high-tech company and among the leading manufacturers of innovative solutions for metering heat/cooling electricity, tap water and natural gas. Solutions include hardware, software, operation and support within the area of metering, automatic data collection (AMM), analysis and surveillance of energy consumption.

Kamstrup serves energy and utility companies with long-term stable technology that enables simple and cost effective metering, collection and management of energy consumption data.