



February 17, 2015

Elster Selects ADI's Smart Metering Solution for Gas and Electricity Meters

NORWOOD, Mass.--(BUSINESS WIRE)-- [Analog Devices, Inc.](#) (NASDAQ: ADI) announced today that [Elster](#) has selected ADI's ADF7241 smart metering solution for use in gas and electricity meters that Elster is designing as part of a nationwide energy efficiency initiative sponsored by the British government. Under the Smart Metering Implementation Programme, more than 50 million smart gas and electric meters will be installed in all homes and small businesses across the U.K. by 2020. ADI's ZigBee®-based ADF7241 smart metering solution, which includes the ADF7241 transceiver and a ZigBee network protocol stack provided by Exegin Technologies Ltd., will provide the wireless connectivity for Elster's meters. Elster is one of the world's largest electricity, gas and water measurement and control providers.

"Elster selected ADI's ADF7241 smart metering solution because of the performance, design flexibility and product future-proofing it provides," said Joerg Klatte, head of Smart Meter Solutions at Elster Gas. "ADI is providing a uniquely flexible package that allows Elster to use a ZigBee software stack for both 2.4-GHz and 868-MHz bands. In particular, it enables Elster to maximize the battery lifetime of our smart gas meters while achieving better than state-of-the-art radio performance."

A smart meter accurately measures how much energy is consumed or generated, and communicates with the local utility company for power monitoring, billing, and other purposes. ADI's ADF7241 solution enables smart gas, electric and water meters to provide improved customer billing accuracy and advanced power quality monitoring, which reduce operating costs for the utility company.

"ADI's radio technology combined with Exegin's ZigBee stack offers a smart metering solution that supports multiple PHY devices in a single PAN, including 868 MHz and 2.4 GHz in the United Kingdom's dual-band radio solution," said Leslie Mulder, president of Exegin. "This is ideal for smart meters installed in Great Britain because it provides an agnostic approach that offers maximum flexibility with the stack operating as a coordinator, router, or end-device."

About Analog Devices' Smart Metering Solution

The key component in ADI's smart metering solution is the [ADF7241](#) low power, 2.4-GHz RF transceiver. The integrated, low-power ADF7241 RF transceiver supports the IEEE 802.15.4 PHY protocol at 250 kbps on a single chip. The transceiver's low-power consumption of 19 mA in receive mode and 21.5 mA in transmit mode makes it effective for battery-powered systems, such as wireless sensor networks, automatic meter reading, industrial wireless control, wireless audio and video, consumer electronics and ZigBee applications. In combination with Exegin's ZigBee PRO stack, the solution can be deployed once for use on multiple bands for multiple applications.

About Elster

Elster is one of the world's largest electricity, gas and water measurement and control providers. Its offerings include metering, distribution monitoring and control, advanced smart metering, demand response, networking and software solutions, and numerous related communications and services - key components for enabling consumer choice, operational efficiency and conservation. Its products and solutions are widely used by utilities in the traditional and emerging smart markets.

About Analog Devices

Innovation, performance, and excellence are the cultural pillars on which Analog Devices has built one of the longest standing, highest growth companies within the technology sector. Acknowledged industry-wide as the world leader in data conversion and signal conditioning technology, Analog Devices serves over 100,000 customers, representing virtually all types of electronic equipment. Analog Devices is headquartered in Norwood, Massachusetts, with design and manufacturing facilities throughout the world. Analog Devices is included in the S&P 500 Index.

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Source: Analog Devices, Inc.

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