éolane launches SIGFOX reference design module for M2M and IoT market

Le Fresne-sur-Loire, France -- July 5, 2016-- éolane, a leader in professional electronic services and connected solutions for M2M and the Internet of Things (IoT), has introduced a comprehensive SIGFOX reference design module that makes it easy to develop sensor-to-cloud applications for SIGFOX networks. As a SIGFOX partner and SIGFOX Ready solution provider, éolane is extending its range of sensor and actuator development platforms for SIGFOX networks.

éolane's new SIGFOX reference design module is based onSilicon Labs' EZR32 wireless microcontroller (MCU), which combines a high-performance sub-GHz transceiver with an energy-friendly ARM Cortex-M3 MCU. The reference design module offers exceptional wireless performance with -128 dBm sensitivity (154 dbm link budget) and bi-directional communication (100 bps uplink and 600 bps downlink). The small-footprint (18 mm x 26 mm) module provides a complete wireless sensing solution for space-sensitive applications.

Complementing the SIGFOX reference design module, éolane supplies a SIGFOX development kit that combines various sensors (including GPS, accelerometers, gyroscopes, temperature sensors, hygrometry/humidity sensors and magnetic sensors), popular MCU interfaces (such as UART, USB and I2C) and an open-source, Eclipse-based software development environment that enables easy access and monitoring of the sensors embedded in the kit. The combination of éolane's development kit and SIGFOX reference design module simplifies the prototyping and development of wireless sensing applications for the IoT.

"We have great ambitions for the IoT market, where we expect to see high growth opportunities as we move up the value chain by partnering with industry leaders like SIGFOX and Silicon Labs," said Régis LAURET, Marketing Director, at Eolane. "As a leading player in connected ecosystems and intelligent objects, we offer a wide range of solutions for the IoT, from wireless sensor platforms to cloud computing, addressing a variety of applications and use cases while anticipating new services in the future."

"We are excited to collaborate with éolane by providing EZR32 wireless MCUs enabling sub-GHz connectivity for their new SIGFOX reference design module," said Patrizio Piasentin, South Europe Manager for Silicon Labs. "éolane's low-power, small-footprint wireless modules will reduce cost and time to market and ease SIGFOX qualification for customers developing IoT projects connected to long-range SIGFOX network."

About éolane

As a market shaper and service enabler, éolane anticipates market trends, invests in R&D, and develops innovative technologies, embedded IoT platforms, and infrastructure solutions for sensor development and sensor network management through wireless connectivity and data aggregation.

Leveraging its expertise in miniaturisation, integration and radio communications, éolane is actively involved in the emergence of tomorrow's connected ecosystems with the development of new Low-Power Wide-Area Network (LPWAN) technologies for the IoT.

About Silicon Labs

Silicon Labs (NASDAQ: SLAB) is a leading provider of silicon, software and solutions for the Internet of Things, Internet infrastructure, industrial automation, consumer and automotive markets. We solve the electronics industry's toughest problems, providing customers with significant advantages in performance, energy savings, connectivity and design simplicity. Backed by our world-class engineering teams with unsurpassed software and mixed-signal design expertise, Silicon Labs empowers developers with the tools and technologies they need to advance quickly and easily from initial idea to final product. www.silabs.com

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