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## Semtech and Imprint Energy Collaborate to Power IoT Sensors and Devices

### New ultrathin printed batteries for LoRa Alliance™ members

CAMARILLO, Calif. and ALAMEDA, Calif., Nov. 09, 2017 (GLOBE NEWSWIRE) -- [Semtech](#) (Nasdaq:SMTC), a leading supplier of high performance analog and mixed-signal semiconductors and advanced algorithms, and [Imprint Energy](#), a company developing new battery technology for widely-deployed devices, announced a collaboration to accelerate the widespread deployment of Internet of Things (IoT) devices. Imprint Energy will design and produce ultrathin, flexible printed batteries that are especially designed to power IoT devices integrated with Semtech's LoRa® devices and wireless RF technology (LoRa Technology). LoRa Technology, with its long-range, low-power capabilities, is regarded by many as the defacto platform for building low-power wide area networks (LPWAN).

Photos accompanying this announcement are available at

<http://www.globenewswire.com/NewsRoom/AttachmentNg/9a360c69-bbd9-4af6-8598-7ce1acaa024e>

<http://www.globenewswire.com/NewsRoom/AttachmentNg/70549e5c-134c-4f1d-9107-e324e9f6d5ed>

To help accelerate a next generation of battery technology, Semtech has invested in Imprint Energy. The companies are working closely to target applications that have the potential to create entirely new markets. The Imprint Energy battery enables new applications which have a thin and small form factor and due to the integrated manufacturing process, the batteries are low cost to produce, making high volume deployments feasible. Additionally, a key benefit of the Imprint Energy battery technology is the ability to be printed using multiple types of conventional high-volume printing equipment; this allows quick integration by traditional electronic manufacturers in their existing production lines. Test production runs are currently being processed and the resulting batteries are being used in applications prototypes to validate assumptions and engage early adopters.

"Collaborating with Semtech introduces Imprint's batteries to a fast-growing IoT ecosystem," said Christine Ho, Imprint Energy's CEO. "We're moving forward with LoRa-based market pilots now and looking forward to widespread adoption."

"Thousands of companies already use Semtech's LoRa Technology to deploy IoT devices and sensors for smart cities, smart buildings, smart agriculture, and smart supply chain applications," said Marc Pegulu, Vice President and General Manager, Semtech's Wireless and Sensing Products Group. "With the batteries' key capabilities - ultrathin and made with non-hazardous material - the LoRaWAN ecosystem and partners can leverage the batteries for new, untapped use case applications to drive mass adoption in the IoT industry."

### About Semtech's LoRa® Devices and Wireless RF Technology

Semtech's LoRa devices and wireless RF technology is a widely adopted long-range, low-power solution for IoT that gives telecom companies, IoT application makers and system integrators the feature set necessary to deploy low-cost, interoperable IoT networks, gateways, sensors, module products, and IoT services worldwide. IoT networks based on the LoRaWAN™ specification have been deployed in over 65 countries and Semtech is a founding member of the LoRa Alliance™, the fastest growing IoT Alliance for Low Power Wide Area Network applications. To learn more about how LoRa enables IoT, visit Semtech's [LoRa site](#) and join the [LoRa Community](#) to access free training as well as an online industry catalog showcasing the products you need for building your ideal IoT application.

 [Semtech and Imprint](#)

New ultrathin battery for IoT LoRa-based devices

 [Imprint Energy ultrathin battery](#)

Above: An Imprint Energy ultrathin battery, designed to power IoT devices using Semtech's LoRa® Technology.

## **About Imprint Energy**

[Imprint Energy](#) is a widely-recognized leader in ultrathin, flexible, printed batteries for always-connected Internet of Things products, including smart labels, health and wellness sensors, and flexible displays. Imprint Energy's proprietary [ZincPoly™ chemistry](#) has higher energy density, is safer, and can power communications better than thin lithium batteries. Imprint Energy is already sampling thousands of batteries and multiple partners have printed batteries using their own equipment. Imprint has received extensive recognition, including the MIT Technology Review [Innovators under 35](#) and [50 Smartest Companies](#). To learn more, see [www.imprintenergy.com](http://www.imprintenergy.com).

## **About Semtech**

Semtech Corporation is a leading supplier of high performance analog and mixed-signal semiconductors and advanced algorithms for high-end consumer, enterprise computing, communications, and industrial equipment. Products are designed to benefit the engineering community as well as the global community. The Company is dedicated to reducing the impact it, and its products, have on the environment. Internal green programs seek to reduce waste through material and manufacturing control, use of green technology and designing for resource reduction. Publicly traded since 1967, Semtech is listed on the Nasdaq Global Select Market under the symbol SMTC. For more information, visit [www.semtech.com](http://www.semtech.com).

## **Forward-Looking and Cautionary Statements**

All statements contained herein that are not statements of historical fact, including statements that use the words "to accelerate," "will," "designed to," or other similar words or expressions, that describe Semtech Corporation's or its management's future plans, objectives or goals are "forward-looking statements" and are made pursuant to the Safe-Harbor provisions of the Private Securities Litigation Reform Act of 1995, as amended. Such forward-looking statements involve known and unknown risks, uncertainties and other factors that could cause the actual results of Semtech Corporation to be materially different from the historical results and/or from any future results or outcomes expressed or implied by such forward-looking statements. Such factors are further addressed in Semtech Corporation's annual and quarterly reports, and in other documents or reports, filed with the Securities and Exchange Commission ([www.sec.gov](http://www.sec.gov)) including, without limitation, information under the captions "Management's Discussion and Analysis of Financial Condition and Results of Operations" and "Risk Factors." Semtech Corporation assumes no obligation to update any forward-looking statements in order to reflect events or circumstances that may arise after the date of this release, except as required by law.

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The photo is also available at Newscom, [www.newscom.com](http://www.newscom.com), and via AP PhotoExpress.

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