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LoRa Technology-based Wide Area Network for IoT Applications Deployed in Chengdu

China Mobile's IoT network targets key applications that will enhance available data and analytics for consumers and businesses

CAMARILLO, Calif., Feb. 16, 2017 (GLOBE NEWSWIRE) -- Semtech Corporation (Nasdaq:SMTC), a leading supplier of analog and mixed-signal semiconductors, today announced that its LoRa® devices and Wireless RF Technology have been deployed by China Mobile IoT Company Limited (CMIoT), an IoT-related research and development subsidiary of China Mobile (the largest mobile carrier in China), in an IoT network in Chengdu, China.

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A photo accompanying this announcement is available at http://www.globenewswire.com/NewsRoom/AttachmentNg/7b643389-99cf-45bd-82d4-06c275d147a2.

The network, based on two Semtech LoRa devices (SX1278 and SX1301) as well as the standardized LoRaWAN specification, is targeting applications specifically aimed at providing data and analytics to help a variety of end-users make more informed decisions. CMIoT has identified four use cases that are ready for deployment with the network: smoke detectors, smart irrigation, milk cow monitoring, and power monitoring.

Data from the network will enable individuals as well as businesses to make better, more informed decisions. Depending on the application, this could translate into improved business revenue, more efficient day-to-day operations and better everyday life choices.

"The initial use cases we have identified will improve and streamline a multitude of industries in Chengdu and provide a framework for more applications in the future," said Yinghui Zhang, Vice President from China Mobile IoT Company Limited. "Collaborating with Semtech to provide this type of cutting-edge technology to our community has the potential to improve how we make decisions, how we do business, and how we live our day-to-day lives."

"The rollout of the new wireless RF and LoRaWAN IoT network in Chengdu is a great example of how technology can be used to improve the daily lives of people all over the world. By adopting IoT and targeting specific applications, Chengdu is enabling individuals as well as businesses to access relevant data, and analysis of that data, that should translate into more efficient, automated processes for a variety of applications," said Marc Pegulu, Vice President and General Manager for Semtech's Wireless and Sensing Products Group.

Key Features of LoRa Technology:

- **Long Range**: A single base station using LoRa Technology enables deep penetration capability for dense urban environments and indoor coverage, while also providing the ability to connect to sensors more than 15-30 miles away in rural areas.
- **Low Power**: The LoRaWAN protocol was developed specifically for low power and enables unprecedented battery lifetime of up to 20 years depending on the application.
- **Geolocation**: Enables tracking applications without GPS or additional power consumption.
- **Low Cost**: LoRa Technology reduces up front infrastructure investments and operating costs, as well as end-node sensor costs.
- **Open Standard**: The LoRaWAN protocol ensures interoperability among applications, IoT solution providers and telecom operators to speed adoption and deployment.

Resources

- To learn how LoRa enables IoT visit Semtech's ***NEW*** LoRa/IoT site.
- Engage with the ***NEW*** LoRa Community.

- Contact Semtech's support team for technical support or general product inquiries.
- Sign up for Semtech's e-newsletter Inside Circuit for quarterly product updates.
- Follow Semtech on Twitter, LinkedIn, Facebook, and Google+.

About Semtech
Semtech Corporation is a leading supplier of analog and mixed-signal semiconductors 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.

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The photo is also available at Newscom, www.newscom.com, and via AP PhotoExpress.

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