TÜV Rheinland Opens Short and Long Range IoT Wireless Testing Facility Supporting Widest Scope of Testing Services in Silicon Valley

02-09-17Fremont, CA

TÜV Rheinland, a global leader in independent testing, inspection and certification services, today announced the opening of a state-of-the-art internet of things (IoT) excellence center in Fremont, California. The new facility, which compliments TÜV Rheinland's existing Pleasanton, CA facility, will provide manufacturers complete testing services, supported by state-of-the-art equipment, to ensure their products are secure and meet industry standards for performance. The opening marks TÜV Rheinland's 16th U.S. facility and serves as an end-to-end testing service in Silicon Valley.

With 23 billion wireless devices expected to be online by 2020, representing an estimated $291.2 million market, 1 much investment is being made in developing IoT technologies. In fact, Verizon Ventures estimates that funding for enterprise IoT technology outpaced that of consumer-grade technologies by roughly two to three times that amount.2

"It's apparent that testing services that help speed products to market are quickly becoming essential for the success of the market," said Stefan Kischka, Vice President of Wireless and IoT, TÜV Rheinland Group. "Alongside the red-hot growth of IoT devices, we are committed to providing the highest quality testing services possible to ensure that these inherently connected devices are working at peak performance and with no vulnerabilities."

The new center is designed, and outfitted specifically for the challenges and exacting tolerances required for cutting edge wireless technology in the connected medical devices, robotics and automation, smart home as well as smart LED industries. Manufacturers will have access to a complete array of wireless testing capabilities, including LoRa, WiFi and ZigBee Alliances. The new 10-meter EMC (electromagnetic compatibility) chamber will provide testing to regulatory standards in both short and long range communications. The facility is also equipped with Daisy5 and Fast SAR (Specific Absorption Rate) systems to meet domestic and international regulations. In addition, the new OTA (Over the Air) chambers provide testing and certifications for cellular devices.

TÜV Rheinland will host an open house at the new Fremont, CA facility on March 9, 2017. The day will feature facility tours, including a new state of the art 10 meter chamber, expert presentations on cybersecurity and the compliance process (design to post-certification), and demos of wireless services.

More information about the Fremont Center for Excellence and grand opening ceremony can be found by visiting http://education.tuv.com/event/fremont-lab-grand-opening.
1 Frost & Sullivan, 2016, New Competition for the Global Test and Measurement Market in IoT Wireless Technologies
2 Verizon, 2016, State of the Market: Internet of Things
2016 (www.verizon.com/about/sites/default/files/state-of-the-internet-of-things-market-report-2016.pdf)

About TÜV Rheinland
Founded in 1872, TÜV Rheinland is a global leader in independent testing, inspection, and certification services, ensuring quality, efficiency and safety for people, the environment and technology in nearly all aspects of life. The company maintains presence in 69 countries, employs 19,300 people and has an annual revenue of more than $1.9 billion (EUR 1.7 billion). TÜV Rheinland inspects technical equipment, products and services, oversees projects and helps to shape processes for a wide variety of companies through its worldwide network of approved labs, testing facilities and education centers. Since 2006, the company has been a member of the United Nations Global Compact to promote sustainability and combat corruption. For more information, visit www.tuv.com/us

About the LoRa Alliance™

The LoRa Alliance™ is an open, non-profit association that has grown to more than 400 members since its inception in March 2015, becoming one of the largest and fastest growing alliances in the technology sector. Its members are closely collaborating and sharing their experience to promote the LoRaWAN™ protocol as the leading open global standard for secure, carrier-grade IoT LPWA connectivity.

With the technical flexibility to address multiple IoT applications, both static and mobile, and a certification program to guarantee interoperability, the LoRaWAN™ is already being deployed globally by major mobile network operators and is anticipated to widely expand in 2017.

About LoRaWAN™

The technology utilized in a LoRaWAN network is designed to connect low-cost, battery-operated sensors over long distances in harsh environments that were previously too challenging or cost prohibitive to connect. With its unique penetration capability, a LoRaWAN gateway deployed on a building or tower can connect to sensors more than 10 miles away or to water meters deployed underground or in basements. The LoRaWAN protocol offers unique and unequaled benefits in terms of bi-directionality, security, mobility and accurate localization that are not addressed by other LPWAN technologies. These benefits will enable the diverse use cases and business models that will enable deployments of large-scale LPWAN IoT networks globally.

Contact:

media@LoRaAlliance.org