LORIOT completes Robustel LoRaWAN® Gateway integration opening the door for new IoT opportunities

Thalwil, Switzerland – 5ᵗʰ July 2019 – Global IoT company LORIOT AG, based in Zurich, Switzerland announces the full software integration with the Robustel range of LoRaWAN® Gateways using the LORIOT Gateway Binary Software.

The LORIOT and Robustel integration provides customers with an off the shelf solution for building LoRaWAN® networks at a price/performance ratio that has not previously been available. As a very high-volume manufacturer of 3G/4G routers and gateways, Robustel have commercial advantages unobtainable by many of their peers in the LoRa® Gateway market and are consequently able to offer both Indoor & Outdoor Industrial grade, high reliability Gateways at very competitive pricing.

Enhanced features of Robustel's Gateways such as SMS configuration & status, real-time data usage alerting, remote control of 4G Data interface by SMS & built-in packet sniffer combined with an advanced cloud-based monitoring platform provide significant differentiation in an increasingly busy marketspace.

Smart Roaming – optimising 4G backhaul in LoRa® Gateways

Robustel's LoRaWAN® Gateways support 'SMART Roaming' which is designed to get the best from Roaming (aka multi-network) SIMs. The gateways can be configured to check for loss of mobile data communications on the current network and force a change to an alternative network within a short period of time. This can save the cost of site visits and, regarding the cellular methodology, it provides the highest reliability to make sure the packet forwarder of the Gateway stays in communication with the LORIOT LoRaWAN® network server when using 4G backhaul.
SMART Roaming checks not only signal strength but also Ping times and ping completion to build a more complete picture of the current connection. If the health-check is failed, the router will dynamically assess the quality of alternative networks and change to the next best if communications are lost or are of a 'low quality'.

Smart Roaming is currently in Beta, slated for full release in July 2019.

> *"The Loriot packet forwarder/gateway software solves some fundamental problems with typical LoRaWAN applications that many users are simply unaware of. This competence combined with a very hands-on approach to solving real-world problems in LoRaWAN*

implementations will add significant value in Robustel's partner ecosystem." Commented **David Evans**, IoT Solution Architect at Robustel.

State-of-the art LoRaWAN® gateway software

The custom gateway software built for the Robustel range of LoRaWAN® gateways enhances the LoRaWAN® security and specifically the trust of gateways that run on the LORIOT Network Server. Designed for high availability and the guarantee of secure data delivery under all conditions, the software suite ensures a higher quality of service (QoS) to the end-application without missing data points.

Full integration with Robustel's App Centre and the gateway's operation system RobustOS, ensures quick and easy gateway installation/setup with a simple App. Provisioning and configuring gateways at scale has never been so simple.

 The LORIOT Gateway Software is using TCP as the protocol for data delivery, replacing the UDP protocol used in basic packet forwarders, which guarantees reliable delivery of data. It also implements another layer on top of TCP that confirms data delivery to the application layer, handles re-transmissions and can identify data that is delivered late (re-transmitted).

LORIOT Gateway Software makes compliance audits easy and requires little to no effort in terms of changing corporate firewalls and proxies. Secure and hassle-free network operation provided out-of-the-box. With strong, industry-standard TLS 1.2 authentication and encryption it guarantees that all gateways connected to the Network Server are authentic, and their connection safe and secure.

With additional monitoring and management tools such as gateway email alerts, message buffering and a reverse SSH tunnel, the LORIOT gateway software suite dramatically reduces time and effort to operate your network of gateways at scale.

> *"Our mission is to enable the IoT everywhere and its disruptive potential available to everyone, but it's critical that network security is not compromised in the process. By establishing full integration with our hardware partners we can ensure that our combined services provide best-in-class security and quality of service. Integration between the LORIOT Network Server and the Robustel gateways delivers this to our clients without complex installation processes"* added **Vit Prajzler**, LORIOT Co-Founder & CEO/CTO

ABOUT LORIOT AG

LORIOT is a global IoT company providing long-range infrastructure for the Internet of Things.

Due to a unique positioning in the LoRa® ecosystem as both software provider and network operator, we are able to provide one of the most powerful and complete solutions in the market.

Our core product is a software for scalable, distributed, resilient and secure operation of LoRaWAN® networks and end-to-end applications that dramatically reduces time to market for our clients.

We offer the network infrastructure to set up, operate and maintain a radio network, integrate sensors and communicate with them over a secure and reliable connection.

Already operating in over 130 countries worldwide, LORIOT is one of the leading LoRaWAN® network solution providers.

Our vision is to enable IoT in every corner of the globe, transform production processes and people's lives for the better.

ABOUT ROBUSTEL

Robustel is one of the world's leading manufacturers of industrial quality solutions for the IoT and M2M market. Robustel's portfolio of award-winning solutions is comprised of: Wireless Modems, Routers, Gateways, EDGE Computing, Cloud Software and End-to-End IoT solutions.

As a supplier of wireless IoT hardware Robustel works with over 50 distribution partners servicing more than 120 countries and maintains a dedicated local presence in: Germany, Australia, Japan, UK, US, the Netherlands and Hong Kong.

Today Robustel's solutions can be found in every corner of the 'Connected World' providing IoT solutions to industries as varied as: Security, Vending, Retail, Utilities, Oil & Gas, Industrial Production & Automation, Transportion, Environmental Services and Healthcare.

Robustel is committed to helping businesses and industries across the world continue to solve their IoT & M2M problems with robust, secure, scalable and creative solutions from hardware to complete 'IoT in a box' services.

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