



G+D Mobile Security and Senet are partnering to strengthen LoRaWAN Security

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Giesecke+Devrient

Munich (Germany), Portsmouth (New Hampshire, USA) October 12, 2017 - G+D Mobile Security and Senet Inc. plan to cooperate to strengthen security of LoRaWAN connectivity across the whole IoT ecosystem. The collaboration between the two companies provides a full integration of G+D Mobile Security's Key Management System (KMS) with Senet's global LoRa®-based networks. This results in a flexible and secure cloud-based provisioning solution which enables the necessary levels of security required for various use cases, ensuring a reliable and robust infrastructure for global IoT deployments. G+D Mobile Security's KMS solution provides security with efficient scaling from initial implementations through mass rollouts based on hardware protection. The HSM (Hardware Security Module) appliance ensures long term LoRa key protection in the infrastructure and increases reliability and robustness. With the joint solution, device vendors and solution vendors can now provision one set of security credentials in their end device at the time of manufacture and deploy it confidently anywhere in the world.

LoRaWAN is a Low Power Wide Area Network (LPWAN) specification intended for wireless battery-operated devices in regional, national or global networks. LoRaWAN enables new opportunities and connectivity options for applications that require low power consumption and low bandwidth. At the same time, the massive growth in connected devices increases the risk of cyber-attacks. G+D Mobile Security protects both LoRaWAN end-devices with end-to-end IoT security solutions – from onboarding, secure key provisioning, identification, and data transmission to device lifecycle management.

The entire network infrastructure is protected by integrating keys securely into the endpoints. Endpoints then connect securely to a LoRaWAN network, and the application data can be only read by the application provider. This mechanism significantly increases the protection against different cyber-attacks intending to tamper with the data or the network.

The joint solution enables IoT system providers to protect LoRaWAN endpoints, while meeting cost requirements for the different use cases. LoRaWAN service providers, application enablers and equipment manufacturers can reduce their liability and security risk exposure by applying key management and security technologies.

"This cooperation between G+D Mobile Security and Senet helps IoT solution providers and enterprises to easily integrate security and avoid flaws during the whole lifecycle of LoRaWAN equipment, starting from when they are produced," stated Bernd Müller, Head of Product Management at G+D Mobile Security.

“Security is a critical element of any communication technology and with the hyperconnected world of the Internet of Things, everything about data security and data privacy becomes that much more important,” said Dave Kjendal, CTO for Senet. “Our Partnership with G+D Mobile Security helps ensure device makers, solution providers and end users are following best practices that simply and cost-effectively address the complex security challenges of deploying IoT at massive scale.”

G+D Mobile Security will be demonstrating this integration with Senet at the LoRa Alliance All Members Meeting Open House and Marketplace in Suzhou, China, October 18-19 and at their booth #414 at the Competitive Carriers Association Annual Convention in Fort Worth, Texas, October 25-27.

About G+D Mobile Security

G+D Mobile Security is a global mobile security technology company headquartered in Munich, Germany. The company is part of the Giesecke+Devrient group. G+D Mobile Security has a workforce of 5,800 employees and generated sales of approximately EUR 860 m in the 2016 fiscal year. More than 50 sales and partner offices as well as 20+ certified production and personalization sites and data centers ensure customer proximity worldwide.

G+D Mobile Security manages and secures billions of digital identities throughout their entire life cycle. Our products and solutions are used by commercial banks, mobile network operators, car and mobile device manufacturers, business enterprises, transit authorities and health insurances and their customers every day to secure payment, communication and device-to-device interaction. G+D Mobile Security is a technology leader its markets and holds a strong competitive position.

About Senet, Inc.

Senet is the leader in global Internet of Things (IoT) connectivity used to instrument the physical world and enable businesses to revolutionize their operations. With core values centered around changing the world for the better, Senet is committed to promoting IoT Network and Network Management innovation, and supports an open partner ecosystem to ensure that IoT realizes its full potential of delivering economic, environmental, and social improvements. A contributing member of the LoRa Alliance, Senet is dedicated to supporting the LoRaWAN protocol as the open global standard for secure, carrier-grade Low Power Wide Area (LPWA) connectivity for IoT solutions across all industries.