G+D Mobile Security secures IoT data streams for Lufthansa Industry Solutions with eSIM and Blockchain

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IT service provider Lufthansa Industry Solutions has implemented SIGNiT from G+D Mobile Security as a new solution for the reliable tracking of transport damage. The solution, that uses a unique combination of eSIM and blockchain technology, will be presented to the public for the first time at the 5G CMM Expo 2019.

With the Damage Detection Sensor, Lufthansa Industry Solutions provides an innovative Detection-as-a-Service (DaaS) offering that uses the SIGNiT solution from G+D Mobile Security. It helps companies to reliably track, by means of IoT data, where goods have been damaged in transit. This way, customers can optimize their logistics chains and prevent similar damage in the future. At the 5G CMM Expo, which will take place from October 8 – 10 in Hanover, Lufthansa Industry Solution will present the new solution for the first time to the general public.

SIGNiT from G+D Mobile Security enables Lufthansa Industry Solutions to ensure that IoT data is 100% trustworthy. SIGNiT combines proven SIM environments and secure operating systems by G+D Mobile Security with the innovative blockchain technology from the Cologne-based start-up Ubirch. Ubirch has developed a trust protocol, which ensures that data from IoT sensors can't be falsified after their generation. The data packets of these sensors are sealed with strong cryptography in a way that it becomes technically impossible to manipulate them once stored in a Blockchain. This combination of offering Blockchain on a SIM is unique and the first of its kind.

"SIGNiT allows to easily digitize processes in a decentralized ecosystem. Our Damage Detection sensors can identify exactly where damage occurred during transport", says Holger Schlueter, Associate Director IoT at Lufthansa Industry Solutions. "Our aim is to achieve significant ROI improvements of 70 percent."

Main challenge of digitalization

With SIGNiT, G+D Mobile Security addresses one of the main challenges of digitalization: the dependence of IoT-based business models on the integrity of their data streams. SIGNiT offers an efficient, scalable and cost-effective way to 100% trusted IoT data, opening the door to many new IoT business models.

Manufacturers of IoT-enabled devices, no matter if industrial machines or consumer devices, can easily protect connected Industry 4.0 and 5G applications. Insurers can implement scenarios in which IoT data set off fully automated payments. In combination with the new 5G standard, SIGNiT has the potential to become a game changer for the connected industry and all types of business models that rely on trusted IoT data.
"The business models of the future will all depend on data," says Carsten Ahrens, CEO at G+D Mobile Security. "With SIGNiT we are solving the most critical challenge of these ecosystems: trustworthy data for all digitized processes."

Stephan Noller, CEO at Ubirch, adds: "Our vision is to secure IoT data directly at their source. SIGNiT from G+D Mobile Security takes this vision to a whole new level. The product offers an easily scalable plug-in solution for powerful IoT security".

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 5,300 employees and generated sales of EUR 868 m in the 2018 fiscal year. More than 40 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 in its markets and holds a strong competitive position.