

OT will demonstrate at Mobile World Congress how to secure Low Power Networks for IoT with HL2 group and Sierra Wireless

CONNECTIVITY

POSTED ON 02.18.16

Oberthur Technologies (OT), a leading global provider of embedded security software products, services and solutions will demonstrate on its booth at Mobile World Congress 2016 how to secure emerging Low Power Networks. The solution designed by OT ensures the integrity, authenticity and confidentiality of information transmitted over-the-air while matching Internet of Things (IoT) requirements, in particular by maintaining low battery consumption.

IoT requires devices to be connected everywhere and in all conditions, sometimes for a very long period of time and often with a low amount of data to be exchanged. The emergence of Low Power Networks is an attempt to address those requirements, introducing new networks and devices able to operate over a long range, in remote locations, with low power and at low cost. Today's challenge is to preserve the DNA of Low Power Networks while providing them with the right level of security.

OT will showcase on its booth secured solutions for IoT: the first one, on licensed spectrum based on 3GPP technology and the second one, on un-licensed spectrum based on LoRa® technology.

OT is very excited about demonstrating its solutions to secure the networks, while keeping optimized power consumption, which are evolving to match the Internet of Things requirements. Security and low power consumption are a clear challenge for some critical applications in this area and we have the expertise and the solutions to fully support our customers to address these huge opportunities.

Pierre Barrial, Managing Director of OT's Mobile Network Operators activity

OT is demonstrating in partnership with HL2 group how an industrial alarm system can be monitored on a live LoRa® Network with enhanced security. State-of-the art security is achieved thanks to OT's Secure Element integrated in the unique end-to-end offer, from device to cloud, developed by HL2 group to prototype connected object services on LPWAN networks.

HL2 group is delighted to include enhanced security, partnering with OT, in its MyIoT solution and to demonstrate how this end-to-end solution is best suited to prototype, industrialize and deploy with the best time-to-market key applications and usages leveraging diverse LPWAN technologies.

Bernard Le Hetet CEO & co-founder of HL2 group

Cellular networks are also evolving to match the IoT low consumption requirements through the newly introduced 3GPP IoT technologies EC-GSM, LTE-MTC and NB-IoT.

With its partner Sierra Wireless, OT is demonstrating how the SIM card can be optimized for efficient support of low power consumption modes such as PSM (Power Saving Mode) and eDRX (extended Discontinuous Reception). OT is an active member of the GSMA Mobile IoT initiative, designed to accelerate the commercial availability of Trusted IoT based on 3GPP technologies.

Sierra Wireless is proud to demonstrate the world's first LTE-M capable module with the latest power saving features defined by 3GPP. With this technology, cellular IoT devices can now run on battery for 10 years while enjoying the benefits of LTE networks for long-lived global service coverage, security, and adding deep radio penetration. Oberthur Technologies brings further innovative power consumption optimizations for the SIM card and we are very excited to demonstrate how these technologies are boosting IoT deployments.

Philippe Guillemette, Chief Technical Officer of Sierra Wireless

To discover OT's comprehensive ranges of products, services and solutions, come and visit us on booth 6H30, 6I30, 6I27 – Hall 6 at Mobile World Congress from February 22 to 25 2016 in Barcelona.