



CYSEC joins the LoRa Alliance to foster cybersecurity adoption in IoT

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CYSEC is proud to announce that it has joined the LoRa Alliance®, a non-profit association that has grown to more than 500 members since its inception in March 2015. Its members closely collaborate and share experiences to promote and drive the success of the LoRaWAN® protocol as the leading open global standard for secure, carrier-grade IoT low power wide area network (LPWAN) connectivity. LoRaWAN® supports low-cost, mobile, and secure bi-directional communication for Internet of Things (IoT), machine-to-machine (M2M), smart city, and industrial applications. Through standardization and the accredited certification scheme, the LoRa Alliance delivers the interoperability needed for LPWA networks to scale.

As security is a fundamental need in all the aforementioned applications, it has been designed into the LoRaWAN specification from the very beginning. The LoRaWAN security design adheres to state-of-the-art principles: use of well-vetted algorithms, and end-to-end security. CYSEC provides solutions for best practices implementations through its secure execution environment, ensuring that IoT deployments are implemented securely.

Being a member of this alliance will allow CYSEC to influence and contribute to the secure adoption and development of the LoRaWAN protocol throughout the world. This membership will expose CYSEC to a range of important stakeholders, providing valuable insights into the technology, market conditions, industry standards, and use-cases. As the LoRaWAN protocol increasingly underpins global IoT infrastructures, this membership will give access to CYSEC to important technological know-how.

Mathieu Bailly, VP Space and IoT at CYSEC said: *“LoRaWAN is getting extremely popular in IoT and the LoRa Alliance is a very important organization for standardizing and promoting the use of this technology. As it is our goal to safeguard IoT architectures that rely on LoRaWAN networks, we want to be able to contribute to the progress that can be made regarding cybersecurity to secure large-scale deployments and accommodate more sensitive use cases.”*

Donna Moore, CEO at LoRa Alliance said: *“Cybersecurity is a fundamental requirement for all IoT deployments, which is why security has been integral to LoRaWAN’s development from the very beginning. The LoRa Alliance ensures its protocol and architecture specifications are secure when combined with implementation best practices and using LoRaWAN Certified^{CM} Devices. We welcome and look forward to CYSEC’s contributions to the LoRa Alliance to further lead the way in developing best practices for the continued security of the LoRaWAN protocol.”*

About CYSEC

CYSEC SA is a cybersecurity company based at the EPFL Innovation Park in Lausanne, Switzerland, whose mission is to shorten the time-to-market of innovative services by facilitating their integration into a secured IT environment.

In order to achieve its mission, CYSEC developed a general-purpose security platform called ARCA able to store data and execute applications in a Trusted Environment. Since the launch of the platform, CYSEC managed to develop and integrate numerous applications to demonstrate the viability of its approach. Examples of applications protected by ARCA include a digital safe for cryptocurrency custody, authentication of connected devices, firmware signature, key management system, proprietary software protection, IP protection, etc.

By lowering down the barriers to protect data and software, CYSEC enables its customers to benefit from a whole new level of flexibility and agility which is a game-changer today considering the fast-pace at which security and business requirements evolve.

CYSEC focuses on the provision of its cybersecurity solutions in four vertical sectors, namely financial services, IoT, space and telecoms.

For more information, please visit www.cysec.systems

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