Syniverse

For Immediate Release

Occam Technology Group and Syniverse Partner to Develop Security for Non-Cellular IoT Devices

Occam and Syniverse Innovation Lab partner to provide LoRa *gateway to static IoT devices*

TAMPA, Fla. – Sept. 6, 2018 – Engineering firm Occam Technology Group has joined Syniverse's recently launched Innovation Lab, which provides companies with a secure environment to test new technologies and business models for the internet of things (IoT), 5G, blockchain and artificial intelligence.

In its partnership with Syniverse, Occam has created a new smart parking lot at Syniverse's headquarters to demonstrate and test secure non-cellular IoT connectivity across narrowband radio technology called LoRa. Sensors installed at Syniverse's headquarters in Tampa, Fla., identify vacant parking spaces and communicate the status of each space back to the Innovation Lab across a secure connection to the Syniverse Secure Global Access network.

"LoRa connectivity is often used in devices that are stationary in nature and rely on lower amounts of battery usage over an extended time span. Traditionally, while these connections have used minimal power, they have been vulnerable from a security perspective, so we are solving that challenge via our work with Occam," said Michael O'Brien, Syniverse Group Vice President, Corporate Development and Strategy. "As the world's most connected company, Syniverse offers an Innovation Lab that serves as a collaboration center for service providers, cloud enablers and other businesses to develop IoT strategies and business models that are backed by secure connectivity."

Occam designs and develops IoT solutions using multiple communication protocols with special expertise in non-cellular IoT LoRa connectivity for low-power, wide-area networks. The company incorporates radio transceivers into IoT devices and adds its gateway software to connect those devices into Syniverse's Innovation lab across a secure connection to Syniverse Secure Global Access that mitigates the risks of cyberattacks by operating independently from the public internet.

LoRa technology enables wide signal coverage with low power usage that results in sensor batteries that only need to be maintained every five to 10 years, on average. This flexibility is proving increasingly important in scenarios with large volumes of fixed sensors, like monitoring agricultural crop production or for sensors located deep inside a building to monitor electricity or parking usage. In these cases, the sensors are not easily accessible and need to span larger geographic areas, so they must have long battery life with minimal required maintenance. At the same time, they cannot afford to risk exposure to cyberattack.

"IoT devices that connect via non-cellular LoRa networks are missing a security layer of protection, representing significant potential risk," said Raymond Carr, Occam Technology Group's Chief Technology Officer and founder. "Our collaboration with Syniverse is critical in providing the missing security component, so we can help businesses grow and maintain a hardened IoT infrastructure at scale."

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Syniverse at Mobile World Congress Americas
Bill Hurley, Chief Marketing Officer for Syniverse, joins a Mobile World Congress Americas panel session titled "4G to 5G Transition." The panel will focus on the buildup for 5G and the important role that existing assets will play in not only the physical rollout of 5G networks, but in the development of the core technologies that will go into it. The session will take place on Sept. 14 from 12:30 to 1:00 p.m. Stop by the Syniverse booth 2546.

About Syniverse Innovation Lab
Syniverse Innovation Lab, a new demonstration, development and testing center that brings together customers, partners and other leading technology players to trial new ways and business models to address the rapid digital transformation. Specifically, the Lab will drive next-generation services for the internet of things (IoT), 5G, blockchain and artificial intelligence.
Businesses interested in joining the Lab can **contact Syniverse.**

About Syniverse
Syniverse sits at the center of the mobile ecosystem, where it connects 7 billion mobile devices and enables businesses to securely connect, communicate, and exchange with their customers to drive growth in the age of digital transformation. We accomplish this by processing billions of transactions every day and settling approximately $15 billion annually for mobile service providers. For 30 years, Syniverse has been simplifying complexity to deliver the promise of mobility – a simple, interoperable experience, anytime, anywhere. For more information,
visit www.syniverse.com, follow Syniverse on Twitter or connect with Syniverse on LinkedIn.

About Occam Technology Group

Occam Technology Group, is an industry award-winning full-service contract engineering design and development firm capable of taking a product from initial concept or next-generation development through software/hardware design, verification and validation, quality, prototyping, and simulation. Located inside University of South Florida's Center for Advanced Medical Learning and Simulation (CAMLS) in downtown Tampa, Florida, Occam Technology Group's team has helped many of the most innovative companies in the world achieve extraordinary results. For more information visit www.occamtechgroup.com.

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