

VIMANA Enhances the Security of its Blockchain Airspace Platform with WISEKey Root of Trust Technology

March 1, 2018 – Redwood City, CA – VIMANA Global is partnering with WISEKey to increase the level of security for its VIMANA Blockchain Airspace platform. This will be a key element to meet VIMANA Global's strategy for Urban Air Mobility Programs in Smart Cities, which focuses on security guarantees for its platform.

The WISEKey technology is a perfect match for VIMANA's blockchain-backed airspace ecosystem for managing secure Autonomous Aerial Vehicle (AAV) flight paths. Blockchain technology is uniquely suited to power VIMANA's Airspace Management Platform because of its capacity to validate data in a peer-to-peer network. Each AAV will be a node in the VIMANA network wherein each node validates the flight routes of all other nodes in the network. This ensures that AAVs do not depend on a centralized authority for determining flight direction. With all nodes maintaining constant communication with one another, Blockchain Airspace provides the most efficient and secure way for commuting.

"By combining WISEKey's Secure Element (our tamper-resistant silicon chip) and its managed Public Key Infrastructure (PKI) systems with VIMANA Blockchain Airspace we are bringing a powerful solution that increases the level of security for their Internet of Things transportation systems for rapidly expanding populations, while ensuring maximum of security and trust on the system" said Carlos Moreira, Founder CEO WISEKey.

WISEKey Root of Trust ("RoT") for IoT technology is a unique offering that combines all the hardware, software, and Trust Model required to take the IoT security to a new level. The WISEKey IoT Blockchain is a vertical IoT security framework, a one-stop-shop security software tool with a user-friendly interface and easy-to-integrate API that manages the life-cycle of devices and their digital certificates. Easy to implement, hard to attack, the WISEKey IoT blockchain framework offers secure solutions even when the IoT device is in an unsecured environment, such as during production or in the field.

"WISEKey's cryptographic RoT technology is perfectly suited for a secure identification of VIMANA Blockchain Airspace platform participants," says Evgeni Borisov, VIMANA Global CEO. "I also believe the two emerging markets - blockchain airspace and IoT -- are fundamental for Industry 4.0 in the way they revolutionize how we live and how spaces are secured."

The first demonstrations of VIMANA's Autonomous Aerial Vehicles and Blockchain Airspace Ecosystem will occur in selected Smart Cities. VIMANA is open to participation by other manufacturers and ecosystems.