



WIS@key Selected by Global Manufacturer to Secure Drone Flights

The rapid expansion of commercial drone market raises serious security concerns that force governments to rule the usage of Unmanned Aircraft Vehicles (UAVs)

WIS@key's digital security helps drone makers comply with safety regulations

Geneva, Switzerland – April 2, 2020: WIS@key International Holding Ltd. (“WIS@key”) (SIX: WIHN, NASDAQ: WKEY), a leading global cybersecurity and IoT company, announced today that it has been selected by a major drone manufacturer to bring its decades of expertise in digital security into the Company’s newly designed drones. This agreement is a significant achievement for WIS@key and further illustrates how its security can help global corporations fulfil the latest international regulations about cybersecurity. From drone inflight control systems down to infrastructure, from WIS@key’s VaultIC407 through the Company’s Public Key Infrastructure (PKI) and blockchain technologies, solutions exist to guarantee the safety of drone flights.

In January 2020, Technavio released its “Global Commercial Drones Market 2020-2024” report showing that this market is poised to grow by USD20.39bn during 2020-2024, progressing at a CAGR of 36% during this period. For years, the drone market was in a nascent phase mostly limited to leisure applications. The situation changed in 2016, when various branches of industry realized how UAVs could bring efficiency. Applications are now mature: last mile delivery of packages, optimization of fertilizer or insecticide spreading, public safety and inspection of pipelines or buildings are no longer science fiction.

While the number of flying drones is increasing, so does the risks such as collision, hacking and infringement of regulations, in particular penetration into restricted or even forbidden areas. Laws are getting more restrictive to impose a full control over pilots, drones and flight paths.

“We are thrilled to sign this multi-year / multi-million dollar contract with a global drone manufacturer, our first contract in this segment. This agreement is a validation of our solid reputation for securing digital identity of people and objects, protecting firmware and also sensitive data at rest or in transit, and at the same time securing the confidentiality and reliability of data through any connection; these business practices have been part of the foundation of WIS@key’s core business for decades,” stressed Carlos Moreira, WIS@key’s Founder and CEO. “Those are also the same technologies which are requested by drone makers to help them easily fulfil the laws and boost their revenue.”

WIS@key has designed a complete set of technologies to secure the drone systems from end-to-end:

- WIS@key’s **VaultIC407** secure element is added to the **drone** or to the **remote control** main microprocessor, or a secure enclave of this microprocessor is based on **WIS@key’s proven security Intellectual Properties (IPs)**. This is a reliable solution to secure and prove the drone’s digital identity. This also protects data and firmware against compromising when stored in the drone or in transit.



- WIS@key's **VaultIC186** is affixed to the battery packs to prove their authenticity, protect the user's investment against damages, and protect manufacturer's revenue.
- WIS@key's **VaultiTrust** service for secure data generation and injection into secure elements is at the heart of the complete system. It provides any drone or remote control with a strong digital identity.
- On the infrastructure server side, the key elements are **WIS@key's Public Key Infrastructure (PKI) based on the OISTE Foundation Root-Of-Trust and WIS@key's blockchain technology**. Both are used to securely register pilots and drones. They also secure the storage of drones' tracking data that can be used at any time to prove any infringement.

Want to know more about WIS@key's Security for drone's applications? Please visit our website: <https://www.wisekey.com/solutions/connected-security/>.

About WIS@key

WIS@key (NASDAQ: WKEY; SIX Swiss Exchange: WIHN) is a leading global cybersecurity company currently deploying large scale digital identity ecosystems for people and objects using Blockchain, AI and IoT respecting the Human as the Fulcrum of the Internet. WIS@key microprocessors secure the pervasive computing shaping today's Internet of Everything. WIS@key IoT has an install base of over 1.5 billion microchips in virtually all IoT sectors (connected cars, smart cities, drones, agricultural sensors, anti-counterfeiting, smart lighting, servers, computers, mobile phones, crypto tokens etc.). WIS@key is uniquely positioned to be at the edge of IoT as our semiconductors produce a huge amount of Big Data that, when analyzed with Artificial Intelligence (AI), can help industrial applications to predict the failure of their equipment before it happens.

Our technology is Trusted by the OISTE/WIS@key's Swiss based cryptographic Root of Trust ("RoT") provides secure authentication and identification, in both physical and virtual environments, for the Internet of Things, Blockchain and Artificial Intelligence. The WIS@key RoT serves as a common trust anchor to ensure the integrity of online transactions among objects and between objects and people. For more information, visit www.wisekey.com.

Press and investor contacts:

WIS@key International Holding Ltd
Company Contact: Carlos Moreira
Chairman & CEO
Tel: +41 22 594 3000
info@wisekey.com

WIS@key Investor Relations (US)
Contact: Lena Cati
The Equity Group Inc.
Tel: +1 212 836-9611
lcati@equityny.com

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