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PRESS RELEASE | ENGLISH

Droniq and Sky Drone make BVLOS Drone Flights with Real-time Command & Control possible

Strategic partnership between Droniq and Sky Drone provides the German drone market with regulated and licensed command & control technology for BVLOS flights of industrial, commercial and governmental use.

FRANKFURT, 16th JUNE 2020 – Frankfurt-based Droniq and Sky Drone have entered into a strategic partnership that allows Droniq to use Sky Drone's unique technology for controlling UAS (Unmanned Aerial Systems) remotely in real-time and without any limitation in range. Based on this technology Droniq will offer a complete hardware package for locating, controlling and transmitting data of drones during BVLOS (beyond visual line of sight) flights. This technology is part of the UTM (UAS Traffic Management) system Droniq offers for the German market. That UTM service allows the safe integration of drones into public airspace and provides the basis for broad commercial use of drones over large distances. "Sky Drone perfectly complements the UTM approach of Droniq and is an essential building block for making BVLOS flights reality. We've seen the technology being used at several of our customers in Germany and are absolutely convinced of Sky Drone's technology and their pragmatic mentality." said Ralph Schepp, COO of Droniq.

As an exclusive partner of Sky Drone in Germany, Droniq is now able to provide real-time communication for drones during their flights. By using the 4G/LTE network of Deutsche Telekom, real-time command and control, video, sensor and telemetry data can be transferred with low latency from the drone to the ground control station and vice versa. This technology complements Droniq's LTE-tracking module "HOD4track" (Hook-On-Device), which sends its position every second via the mobile network to the UTM system. That device also receives signals from helicopters, gliders and small aircraft in the vicinity and sends those to the UTM as well. That way the drone pilot is always apprised of the situation in his airspace. Furthermore, the HOD4track broadcasts its own position so that other aircraft in the vicinity see the drone right in their cockpit.

The CE-conform product "HOD4command" extends Droniq's offering by adding real-time communication with the drone over unlimited distances. It can be mounted onto any aircraft and integrates seamlessly into all supported autopilots. The drone therefore becomes controllable over long distances. The data communication is end-to-end encrypted and therefore protected from unauthorized access. The Sky Drone technology the HOD4command is based upon, is already in use in Africa and Europe helping deliver medicine and vaccines to hard-to-reach villages. In Germany it is used for intersite logistics of a large pharmaceutical company. The structurally identical product "HOD4stream" is available with a larger data plan that allows real-time transmission of video, sensor and telemetry data. In industrial applications like maintenance and inspection of pipes and routes as well as in industrial facilities, data can be transferred and analyzed in real-time. First responders already use this technology for remote situational awareness.

"Droniq is the ideal partner for our real-time communication system for drones that's already being used across the globe. Their reach in Germany and Europe allows the efficient use as well as safe integration of drones into the public airspace." said Boris Boege, CEO of Sky Drone.

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About SKY DRONE: Sky Drone was established in 2012 as the UAV division of Skylab Mobilesystems Ltd. to create real-time communication technology for drones. Their latest Sky Drone FPV 3, Link 3 and 4G/LTE Upgrade for Yuneec H520 products provide a bi-directional low latency data link for command & control as well as a real-time Full-HD video link to a ground control station. Sky Drone's customers include Intel, Vodafone, Amazon, Wingcopter, European Space Agency, NASA, the Fraunhofer Institute, Federal Criminal Police Office (BKA) as well as many others. www.skydrone.aero

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About DRONIQ: Droniq GmbH is headquartered in Frankfurt am Main, Germany as a joint venture of the DFS Deutsche Flugsicherung (German air traffic control) and Deutsche Telekom AG. It's goal is to provide, market and sell services for drones and other aerial vehicles in Europe. The DFS IBS GmbH holds 51% and the Telekom Innovation Pool GmbH holds 49% of Droniq shares. www.droniq.de

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