

Elsight Announces the DroneCommX™, Aftermarket Kit for DJI's Commercial Drones

Key Highlights:

Elsight DroneCommX™ enhances the DJI M30 & M350. DJI commands nearly 70% of the global drone market, available in over 100 countries

The DroneCommX™:

- **Facilitates more effective strategies for first responder crisis management**
- **Improves data security by diverting communications**
- **Enables non-line-of-sight (NLOS) missions**

Elsight Limited (ASX: ELS) (Elsight or the Company), the carrier-agnostic, AI-powered connectivity solutions company, is pleased to announce the launch of its newest product **DroneCommX™**, an aftermarket upgrade kit that extends the functionality and security of DJI's Matrice 30 and 350 drones. DJI's Matrice 30 and 350 drones are widely used in public safety, law enforcement, emergency management, and various commercial applications.

Elsight's **DroneCommX™** replaces the DJI drone's basic communications as a simply applied and configured attachment and allows users to extend the capabilities of the DJI while overcoming other serious challenges. Most notably, commanders and other key personnel can view and analyse the data and video collected by the drone from a remotely located command centre instead of watching through the drone pilot's remote-control console.

DJI, the leading drone manufacturer worldwide

DJI, or Da-Jiang Innovations, is the dominant consumer and enterprise drone manufacturer worldwide for numerous industries, including public safety, law enforcement, HLS and first responders. Founded in 2006, today DJI commands nearly 70% of the global drone market, offering its products in over 100 countries. At this writing, the U.S. government is considering the passage of Countering CCP Drones Act, to add DJI drones on the "covered list" of products that are prohibited from running on US communications networks. However, the many organizations engaged in critical emergency response and law enforcement work, are fighting the bill as they rely on DJI drones for their operations. One aspect of **DroneCommX™** enables organizations using DJI Matrice 30 and 350 drones to bypass the DJI communications, thereby keeping that data leakage safe.

Rerouted communications in NLOS flights

All communications are re-routed through **DroneCommX's** multi-link LTE or 5G connectivity solution, thereby bypassing DJI's P2P for tighter data security. In addition, the **DroneCommX™** enables the DJI drones to fly non-line-of-sight (NLOS) missions.

“These two DJI Matrice drones are widely used by law enforcement and drone first responder teams for all the right reasons across the globe,” CEO of Elsieht Yoav Amitai said. “However, some of the benefits may be outweighed by a few disadvantages leading Elsieht to design and develop the **DroneCommX™**, which redirects the communications for better security and enables NLOS flights.”

Analysing the data from a remote-control room, not from a RC console

“As we are involved with several first responder organizations, we understood that first responder teams would be more effective if they could operate their DJI drone fleet remotely from their headquarters or from a mobile command unit instead of using a hand-held remote-control device. With this ‘wider lens’ of viewing all the data and live video streamed from all the drones, commanders and first responder personnel can make better tactical decisions,” added Amitai.

DroneCommX’s additional functionality includes:

- **Robust and secure multi-link bonded LTE communications:** An aggregated bonded link of 4 LTE modems using M-TLS and AES-256 encryption replacing the DJI standard 2.4GHz communication.
- **Jam-resistant communications:** As the connectivity is based on an aggregated multi-link LTE bonded propriety technology, the risk of losing a communication link to a jamming attack is significantly reduced.
- **NLOS (non-line-of-sight) connectivity:** A drone fleet can fly to remote non-line-of-sight distances, while being controlled from a remote location without the need for human observers.

Based on the Elsieht Halo

The **DroneCommX™** is based on the Elsieht’s field-proven Halo, a highly reliable multi-link communications system with over 250,000 flight hours logged. Halo aggregates multiple IP links to a secure bond using public and private cellular, satellite, and RF technologies ensuring uninterrupted drone communications even in the most challenging environments. Whether it’s disaster response, surveillance, deliveries or lengthy remote inspections, UAV (uncrewed aerial vehicle) flights powered by the Elsieht Halo complete their missions with continuous transmission of high-bandwidth video and data to the command-and-control center (C2).

Authorised for release by the Board of Directors of Elsieht Limited.

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**About Elsieht (ASX:ELS)**

Elsieht's (www.elsieht.com) flagship product, the Halo, uses AI-based multi-link bonding to provide the most robust connectivity for drones and other unmanned systems. By adding cellular communications aggregated with satellite and RF communications, the Halo is 99.99% reliable and cyber secured. With options for less than a 100-gram card or a boxed ground version, the Halo provides continuous connectivity even in the most challenging areas for stationary, portable, or actively mobile situational requirements. Elsieht's products serve many vertical markets leveraging UAV and UAS technologies including the military, HLS, public safety, delivery, medical, oil and gas, utilities, inspections, surveillance and others. Elsieht was founded in 2009.
