



Press Release

ADPM Drones and The Edge Company announce technology integration to enhance long-distance drone flight safety.
Introducing Omni Sphere Sentinel.

ADPM Drones and THE EDGE COMPANY (TEC), members of the Intellimove consortium, are proud to announce the successful integration of their respective technologies, a fundamental step towards autonomous and safe management of long-distance drone operations without the need for ground observers.

Thanks to this innovation, drones will be able to detect non-cooperative obstacles in real-time, such as other drones or birds, and perform evasive maneuvers autonomously. For this reason, it has been named **OMNI SPHERE SENTINEL**. This integration represents a significant evolution for Beyond Visual Line of Sight (BVLOS) flight, increasing operational safety in critical sectors such as the transport of sensitive goods, including blood and organs.

Specifically, THE EDGE COMPANY has developed the BCMS[®] system, an artificial intelligence-based technology capable of recognizing and classifying obstacles in real-time, automatically distinguishing between threats such as drones or birds. This data is then sent to the ADPM IoT Drone Bridge module, developed by ADPM Drones, which collects and transmits the information to the drone in flight, enabling continuous two-way communication with ground sensors.

"The integration between our BCMS[®] system and ADPM technology represents a significant advancement for the drone sector, significantly improving the safety and efficiency of long-distance operations," said Fabio Masci, CEO of The Edge Company. "We are excited to collaborate with ADPM Drones to offer cutting-edge solutions that automate and optimize in-flight obstacle management."

The ADPM IoT Drone Bridge module, known for its ease of integration thanks to the use of APIs and real-time processing capabilities, ensures rapid and accurate transmission of data collected by sensors, allowing drones to promptly react to

obstacles. This modular and flexible solution easily adapts to different operational scenarios, increasing safety and reducing the risk of accidents.

"Our goal has always been to make drone flight safer and more autonomous, and this integration is concrete proof of that," commented Luca Brizzi, Executive President of ADPM Drones. "The collaboration with TEC is a crucial step in opening new opportunities in BVLOS flight, reducing dependence on human observers and improving the efficiency of aerial operations."

The complete automation of this process not only accelerates operations but also ensures greater safety in areas overflowed by drones, significantly reducing risks related to unforeseen events. Currently, obstacle monitoring relies on ground observers, but thanks to this innovation, monitoring becomes automatic, safe, and faster.

Thanks to the integration of TEC and ADPM technologies, the future of BVLOS drones looks safer, more efficient, and more promising.

For more information: www.adpmdrones.com
www.theedgecompany.net

contact: m.forte@adpmdrones.com francesca.dallavenezia@theedgecompany.net