



May 10, 2022

The IAF (Israeli Air Force) Flight Test Center (FTC) tested Ciconia's C&CAS (Coordination & Collision Avoidance System) onboard an IAF Blackhawk helicopter and a drone.

In July and August 2021, the IAF (Israeli Air Force) FTC (Flight Test Center) has tested the Ciconia C&CAS (Coordination & Collision Avoidance System) in real life scenarios. An IAF Blackhawk and a drone, both equipped with the C&CAS onboard, were intentionally flown in conflicting routes.

The C&CAS managed the conflicts:

- Provided relevant and timely indications to the operators (remote and onboard pilots).
- Had the drone operators failed to react on time, the C&CAS would take control over the drone and steer it away and provide accurate and timely steering commands to the helicopter pilot in order to escape a midair collision.

According to Brigadier General Matan Adin of the IAF, the C&CAS has met the expectation, the system performed as planned and the concept proved to be feasible. "The unique, first of its kind flight test, was planned and executed very well by the IAF FTC and Ciconia's team. We will further study the results with our partners in the other branches and will soon decide of the measure to be taken to allow safe and efficient usage of the battlefield skies," said BG Adin.

Lieutenant Colonel Idan Chen of MAFAT (The Israeli Ministry of Defence R&D Center), who led the joint effort of MAFAT, the Air Force and Ground forces, mentioned that the purpose of the project was to prove the "Hybrid Concept": autonomous and man-in-the-loop system. The concept, brought by Ciconia, allows to enjoy both the judgment of the operators of the airborne fleet and the reliability of an automatic system. "When operators fail to secure the safety of flight the C&CAS intervenes and the midair collision is avoided." said LTC Chen.

Moshe Cohen, CEO of Ciconia, mentioned that the C&CAS allows for many more airborne vehicles to operate simultaneously in a given airspace while improving safety of flight. "The C&CAS is applicable to both military and civil aviation markets. In parallel to working with the IDF, Following the award of the BIRD foundation HLS grant, we have approached the first responder's market. In this joint Israel-US project, Ciconia Ltd. and Sagetech Avionics Inc. are in the process of installing C&CAS on first responder's airborne fleets: helicopters, airplanes and drones. Thus, drones and fire fighters' helicopters and planes will be able to operate together, safely, in a confined air space," said Cohen

For additional information please e-mail: [info@Ciconia.flights](mailto:info@Ciconia.flights).