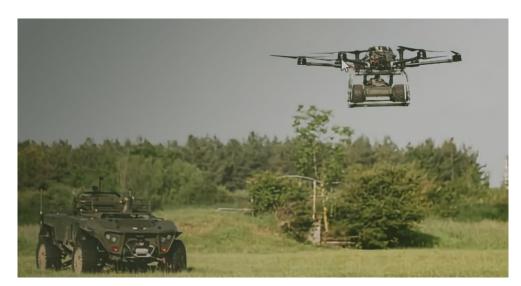# Thales unveils OpenDRobotics to support a new era of extended collaborative combat enabled by AI

- Thales is launching OpenDRobotics, a revolutionary new solution that combines robotics technologies with unmanned air and ground vehicles to provide the armed forces with an integrated, human-in-the-loop mission system capability.
- Artificial intelligence transforms collaborative combat by integrating multiple drones and robotic systems, increasing their ability to operate autonomously and reducing the cognitive burden on warfighters.
- OpenDRobotics was developed in close cooperation with the armed forces and leverages the expertise of an ecosystem of innovation partners to meet the challenges of high-intensity combat.

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With OpenDRobotics, Thales is taking collaborative combat to the next level through the development of a revolutionary integrated system that ties together robotics technologies and different types of drones to provide an automated mission system capability.

Recent conflicts have demonstrated the operational value of drones and robotic systems in terms of battlefield transparency and speed of action to enhance mission effectiveness while keeping human operators out of harm's way. These systems can also saturate enemy defences without requiring larger numbers of human operators or increasing the cognitive burden on the forces already deployed.

Thales is a pivotal player in the field of collaborative combat, providing AI modules, connectivity solutions, mission systems that enable engaged units to operate as a network and a unique ability to integrate with conventional assets already in service with land forces.

Building on the success of [CohoMa II](#)[1], the OpenDRobotics initiative creates operational value by coordinating the capabilities of a wide range of drones and robotic systems, providing command-and-control and extended collaborative combat functions by capitalising on the Group's long-standing experience with tactical mission systems, in particular for the Scorpion programme.

OpenDRobotics has a central role to play in a broad spectrum of armed forces missions: reconnaissance, intelligence, CBRN[2], Special Forces operations, cavalry, artillery, etc.).

OpenDRobotics builds on the open-source ROS (Robot Operating System) and STANAG 4586 standards, which are widely used by NATO and were developed as collaborative initiatives to promote easier integration of drones and robotic systems developed by partners and third parties.

"We are proud to present OpenDRobotics, a comprehensive offering that will accelerate the process of integrating drones and robotic systems in land combat operations. Building on our experience on the Scorpion programme and the lessons learned from collaborative combat deployments, Thales is enabling the forces to conduct their missions more quickly and in greater safety by coordinating large numbers of autonomous systems on the battlefield," said ***Arnaud Lacaze, Vice President Defence Business Segment, Thales.***

About Thales

Thales (Euronext Paris: HO) is a global leader in advanced technologies specialized in three business domains: Defence & Security, Aeronautics & Space, and Cybersecurity & Digital identity.

Our products and solutions help make the world safer, greener and more inclusive.

The Group invests close to €4 billion a year in Research & Development, particularly in key innovation areas such as AI, cybersecurity, quantum technologies, cloud technologies and 6G.

Thales has close to 81,0001 employees in 68 countries. In 2023, the Group generated sales of €18.4 billion.

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[1] Experimental challenge to test Manned-Unmanned Teaming capabilities
[2] Chemical, biological, radiological and nuclear threats