

Robin Radar deploys off-the-shelf CUAS radar with 12km range

The new IRIS Long-Range Mode offers the option to switch between 5km and 12km ranges in minutes, transforming the capabilities of defense forces in Ukraine.

08 September 2025, The Hague, Netherlands / Ashburn, Virginia: Robin Radar Systems today unveils a breakthrough software upgrade to its flagship IRIS counter-UAS radar, extending instrumented range from 5km (3.1 miles) to 12km (7.45 miles). The innovation makes IRIS one of the first off-the-shelf radars proven to detect and classify Shahed loitering munitions at long distances, providing operators with crucial early warning against one of the most lethal weapons in modern conflict.

The new Long-Range Mode (LRM) was first developed and stress-tested through Robin's significant number of IRIS deployments in Ukraine, where Shahed drones have become a near-daily threat to critical infrastructure. Direct feedback from Ukrainian operators has been fed back into Robin's development cycle, enabling the company to deliver the upgrade in record time.

Unlike costly missile-tracking radars, IRIS is a compact and lightweight mobile system that can be deployed in minutes and integrated seamlessly into multi-sensor CUAS architectures. The software-only upgrade requires no hardware replacement, ensuring all IRIS units can be field-upgraded.

For Ukrainian forces, the 12km range will offer a potentially life-saving window of warning to prepare for incoming Shaheds travelling at over 180 km/h (111Mph). For U.S. and European customers, the battlefield-tested technology is set to be rolled out to critical government agencies, including key European Ministries of Defense and Interior, as well as the US Department of Homeland Security Science & Technology, to ensure domestic innovations reflect the best available technology currently being used in live conflict zones.

Siete Hamminga, CEO of Robin Radar Systems, added: *"This upgrade marks a step-change in what counter-drone radar can achieve. By listening to our users on the frontline, we've redefined the capabilities of an off-the-shelf system—delivering a battlefield-proven solution that is now being made available worldwide. As software continues to transform defence, Robin Radar will hold its position at the forefront of innovation."*

Kristian Brost, General Manager of Robin Radar USA, said: *"This upgrade isn't just about range—it's about time. Every extra kilometer of detection gives defenders more precious seconds to react, more chances to protect critical infrastructure, and ultimately, more lives saved. By delivering this leap forward entirely through software, we're showing how the decisive edge in counter-drone defense is no longer just built—it's coded."*

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About Robin Radar

Robin Radar Systems is a global leader in radar technology for bird and drone detection, trusted by NATO, government agencies, and critical infrastructure operators worldwide. Headquartered in The Hague with a U.S. office in Virginia, Robin combines 40+ years of radar



expertise with AI-powered software to deliver actionable intelligence and 360° situational awareness. Its flagship radar, IRIS, is regarded as the gold standard in 3D, 360° drone detection, providing rapid deployment, unrivalled accuracy, and seamless integration with multi-sensor systems. Robin Radar's mission is to protect people, wildlife, and infrastructure by empowering aviation, defense, security, and ecology teams to keep the skies safe.

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