

# Insitu Introduces PLEO SATCOM for ScanEagle UAS, Adds Laser Targeting Capability



A UAS Operator holds ScanEagle with PLEO SATCOM capability at Insitu HQ in Bingen, Washington.

[Release From Insitu](#)

BINGEN, Wash., November 3, 2025 – Insitu, a Boeing Company, is proud to announce the addition of Proliferated Low Earth Orbit (PLEO) Satellite Communication (SATCOM) datalinks and [laser-targeting capabilities](#) to its long-endurance, battle-tested [ScanEagle](#) Uncrewed Aircraft System (UAS). These enhancements position ScanEagle as the premier choice for reliable over-the-horizon Beyond Line of Sight (BLOS) Intelligence, Surveillance, Reconnaissance and Targeting (ISR-T) missions, further solidifying its reputation as the most proven small UAS in operation today.

ScanEagle, recognized for its reliability with over 1.3 million flight hours logged across contested and combat conditions globally, now offers SATCOM datalinks leveraging PLEO satellite constellations. This capability will enable operators to achieve extended mission reach, even under the most challenging conditions, while controlling ScanEagle UAS from anywhere in the world. Resilience features include visual-based navigation and autonomous RF-switching, ensuring confidence in dynamic and challenging operational scenarios.

“As the leading small UAS on the market, ScanEagle has continuously earned accolades for readiness, reliability, and innovation,” said Diane Rose, Insitu CEO. “The integration of PLEO SATCOM provides operators unparalleled BLOS capability, enabling real-time decision-making capability and operational success for land and maritime missions. The addition of laser targeting capability greatly expands ScanEagle’s reach and mission capability for the most demanding ISR-T missions.”

With [Vertical Takeoff and Landing \(VTOL\)](#) launch and recovery, ScanEagle is ready to fly both maritime and land-based sorties from small ship decks and other expeditionary locations, meeting mission requirements with unequaled flexibility. Its robust capability set includes E0 and multi-spectral optics, AI-assisted wide-area and maritime search, communications relay, Signals Intelligence, Electronic Warfare, and laser-designator targeting.

These upgrades are the latest evolution in ScanEagle’s storied track record of innovation, ensuring mission-critical autonomy and resilience in the most demanding environments. Insitu announced PLEO SATCOM capability for Integrator in 2024, and Integrator ER has offered GEO SATCOM capability for years.

As Insitu continues to push the boundaries of UAS capability, ScanEagle and Integrator remain the trusted choice for global operators seeking unmatched reliability and operational excellence.