

FOR IMMEDIATE RELEASE

TEST SUCCESSFUL FOR NEXT GENERATION ELEVATED EARLY WARNING SYSTEM (EEWS)

Aeros' NADATS Division: Elevated ISR System for Persistent Surveillance of Areas Requiring Heightened Monitoring Vigilance



LOS ANGELES (March 16, 2015) – Aeros' NADATS division announced today that integrated functionality testing has been successfully completed on a new Elevated Early Warning System (EEWS), an integrated multi-role aerial surveillance system for use over water, land and air for situational awareness.

NADATS' EEWS integrates a 27 sensor package including radar with ground-moving target indication capability, electro-optic and infrared HD imaging system, and moving map software for empowerment and simplified use by operators. One unique feature of the EEWS is the ability to detect low flying small UAVs.



Elevated Early Warning System (EEWS) during testing

“No other [EEW] system provides the same capabilities for persistent air and surface surveillance and target tracing and identification with greater cost efficiency and fast re-stationing flexibility,” explains **Louis Pu**, Project Lead at Aeros.

The active electronically scanned array radar delivers advanced ISR capability. It features 360° scan coverage with auto track and simultaneous dual-mode operation, delivering robust capabilities for surface surveillance, navigation, beacon detection, target imaging/classification, and ground mapping. Ground moving target detection mode (GMTI) allows to users discriminate a target from clutter.

The EEWS' wide-area HD imaging system include megapixel thermal, daylight, and low-light cameras with high magnification optics; laser payloads; and a fully-integrated IMU to precisely locate targets. It provides HD color in low light, full digital HD video from all its imaging sensors, and output video that meets US DOD and NATO specifications. Moving maps software integrates all sensor data onto one, comprehensive tactical map, displaying target position, speed and direction. The software automates slewing of camera and radar tracks for easy targeting, auto alerts when a target enters a defined area, and records all mission data for later analysis.

NADATS' EEWS supports missions as an elevated and integrated sensor platform for vigilant area monitoring. It can be mounted on elevated aerial platforms or tower systems to provide tactical area coverage and line-of-sight exceeding of 70 KM.

Developed as a solution for enhanced defensive capabilities, border monitoring and detection of small UAVs from a stand-off distance, the EEWS can obtain, analyze and feed data sets in real time to empower commanders with actionable intelligence and better coordinate asset response.

NADATS is a mission-focused division of (Aeros), the world's most innovative FAA-certified lighter-than-air (LTA) aircraft manufacturer, delivering integration solutions for persistent elevated situational awareness in a global environment of growing need. NADATS design capability and portfolio of advanced airships, tethered aerostats and ground based early warning systems provide military and para-military operators with cost-effective solutions to detect, interpret and respond in surveillance, security, and asset protection scenarios. NADATS was established as a simplified sourcing solution supporting persistent ISR capabilities for operators in hostile environments, border/port security, law enforcement/ public safety, event security, and facility and infrastructure monitoring, among others.

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