



ALMDS

Airborne Laser Mine Detection System

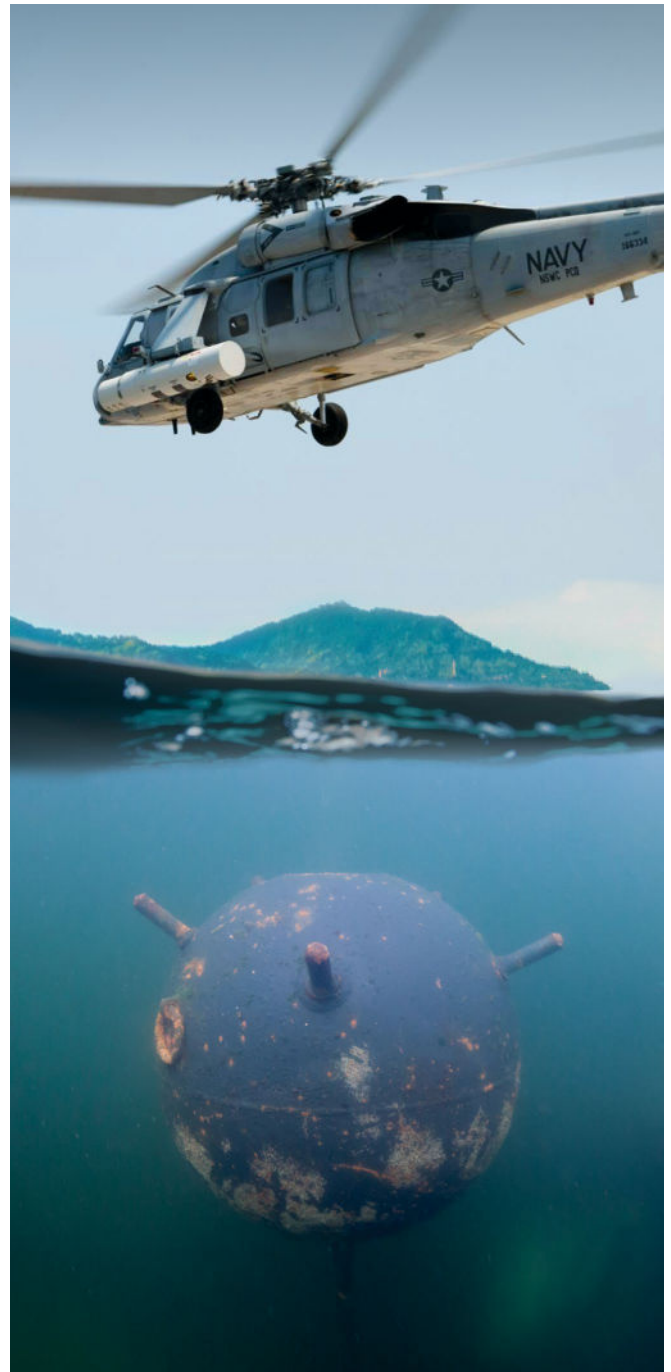
The AN/AES-1 Airborne Laser Mine Detection System (ALMDS) is a laser-based system utilizing streak tube imaging Light Detection and Ranging (LiDAR) to detect, classify, and localize surface and near-surface moored sea mines. The ALMDS is integrated with the MH-60S helicopter and is deployed from the Littoral Combat Ship (LCS) as part of the Mine Countermeasures Mission Package (MP) to provide rapid, wide-area reconnaissance and assessment of mine threats in littoral zones.

ALMDS Pod Production is executed by Northrop Grumman Aeronautics Systems with Arété supplying the Receiver Sensor Assembly (RSA). The RSA contains Streak-Tube Imaging LiDAR (STIL) sensors, laser timing, and transmit optics. In addition, Arété provides technical engineering assistance and vast marine LiDAR experience.

System IOC in FY2016

Key Features

- High Pb/Low FAR detection in shallow and deep water
- Precise target classification and localization (including depth)
- Simplified operator analysis
- Wide area search on the move, no need to hover

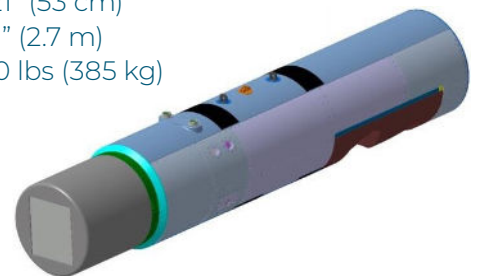


Pod Physical Characteristics

Diameter: 21" (53 cm)

Length: 107" (2.7 m)

Weight: 850 lbs (385 kg)



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