

Omnetics Miniature Connection News November, 2007

Applications and Insights on our products, our customized business and capabilities.



Omnetics Connector Corporation has teamed up with Raytheon with the NLOS program. The Non Line of Sight – Launch System (NLOS-LS) is a family of artillery missiles fired from a vertical launcher that can be deployed by ground or air assets throughout a theater and networked to quickly engage an enemy.



The NLOS launch system provides rapid response and lethality in packages requiring significantly fewer personnel, lowering life-cycle costs, while increasing survivability. Compared to current direct fire gun and missile artillery, NLOS-LS strive to take the next step. The original concept was called "Rockets in a Box."

The NLOS-LS has two missiles: The first is a Precision Attack Missile (PAM), which was formerly developed by Raytheon. The missile travels at high speed for minimal time to target or to reach maximum range. It has a variable thrust motor, an un-cooled infrared laser seeker and a multi-mode warhead. The PAM can be utilized for both hard and soft targets. The second is a

Loitering Attack Missile (LAM), which has continued to be developed by both Lockheed Martin and Raytheon. It carries a laser detection and ranging seeker, a turbojet motor, and wings that extend on launch. The missile has a 70-kilometer range with a 30-minute loiter time. It is able to loiter over targets of interest, do automatic target recognition and attack targets on its own range with a 30-minute loiter time.

Currently the NLOS program is utilizing connectors from each of our product lines. Both Dual-Row Nanos as well as Dual Row-Micros are being utilized. Also, Omnetics plastic circulars are playing a large role in the Precision Attack Missile (PAM). Numerous varieties of harnesses have been designed incorporating both circulars and strip connectors by our Engineer team to meet Raytheon's request for smaller, high density connectors. Production is currently in the beginning stages and quantities could reach the 100,000's.



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