

Space & Navigation

POSITION/NAVIGATION UNIT (PNU)

PRECISION POINTING & LOCATION...FROM THE INDUSTRY LEADER



L-3 Space & Navigation (L-3 S&N) continues its record of excellence in providing the Multiple Launch Rocket System (MLRS) program with the highest performance, reliability, and quality pointing and position location system capability. Equipped with more than 20 years of direct experience in aiming and navigating the MLRS launcher, L-3 S&N is under contract to develop and build the PNU for the MLRS Improved Fire Control Systems (IFCS).

The IFCS PNU truly points the way for the future direction of the Army Land Navigation and Pointing Systems. Utilizing advanced sensors, electronics, software and aiding (GPS and odometer), the PNU delivers precisely what the Army of tomorrow needs – a system designed to remain operationally effective and affordable to support well into the future.



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MORE THAN 500 PNUs FIELDIED AND FORWARD DEPLOYED

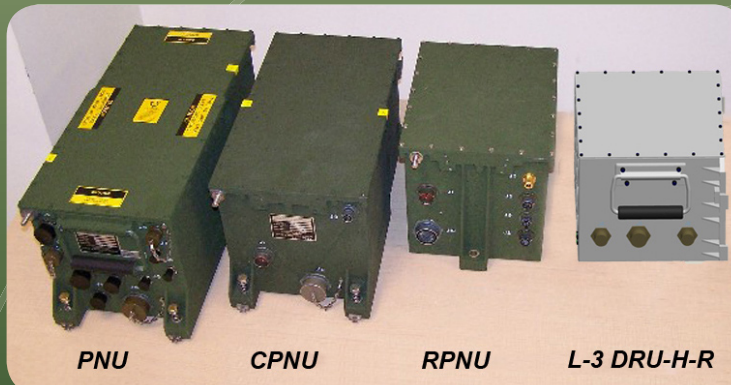
The IFCS PNU represents a true state-of-the-art system approach. Its design features permit ready adaptation and/or optimization to any current or future weapon system or sensor requiring precision pointing and positioning. The PNU was conceived and designed to provide significant growth capability in performance and functionality, assuring its ability to meet the Army's future needs. Further, its advanced electronics architecture has been focused to minimize Operations and Support costs and to avoid lifecycle parts obsolescence issues.

FEATURES

- High Performance RL-34 Ring Laser Gyros
- Advanced 32-bit Microprocessor
- Common Architecture
- Integrated SAASM
- Combat-Proven
- Nuclear Compliant

SYSTEM CHARACTERISTICS

Azimuth	0.25 sec 1 mil (PE)
Initialization Time	5 minutes (max)
Realignment Time	Not Required
Roll/Elevation Accuracy	0.17 mil (PE)
Position Accuracy	<0.15% Distance Traveled
Temperature Range	-32°C to + 60°C
Shock	100g (damped sine)
Stored Heading	< 2 minutes
Moving Base Alignment	< 15 minutes



The L-3 S&N's PNU precision pointing and positioning products

FOR MORE INFORMATION PLEASE CONTACT:

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L-3. Leading. Headquartered in New York City, L-3 Communications employs over 64,000 people worldwide and is a prime contractor in aircraft modernization and maintenance, C³ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems and government services. L-3 is also a leading provider of high technology products, subsystems and systems. The company reported 2007 sales of \$14 billion.