Mission Support for the Digital Battlespace

Raytheon offers a suite of technology solutions that enhance warfighter operations including integrated mission planning systems, advanced situational awareness technology, datalinks and innovative training systems and weapons development. For more than 30 years, we have worked closely with our U.S. military and global partners to keep the V-22 ready for all of its missions.

IN THE AIR

- **COMBAT IDENTIFICATION**
  - APX-119 and Blue Force Tracker identify nearby friendly units and differentiate enemy forces

- **SENSORS**
  - APQ-186 Multi-Mode Radar and AN/AAQ-27 FLIR

- **SOFTWARE**
  - Operational flight program

ON THE GROUND

- **MISSION CAPABILITY UPGRADES**
  - Keeps the fleet flying worldwide
  - Sensor upgrades
  - Digital interoperability upgrades
  - Engineering Change Proposals (ECPs)
  - Avionics architecture

- **MISSION PLANNING**
  - Seamless data integration for various missions
  - Enables post-mission analysis

- **TRAINERS**
  - Realistic training for the flight crew and maintainers
  - Cockpit simulation for all controls
  - Desktop and virtual reality training
  - Continuous updates to stay current with the fleet

- **LABORATORIES**
  - Fully-instrumented electronic warfare lab
  - Environmental testing
  - Software Integration Lab (SIL)
  - Hardware Integration Lab (HIL)
  - Mission Systems Integration
  - Prototype future architecture

- **CYBER RESILIENCY**
  - Assesses system vulnerabilities and mitigates threats—provides state of the art cyber tools for enhanced protection.
  - Assures reliable, secure mission systems backed by Raytheon’s state-of-the-art cyber solutions

- **MINIATURE AIRBORNE GPS RECEIVER (MAGR-2000)**
  - Improved acquisition and GPS solution performance

- **ELECTRONIC DATA MANAGER**
  - Low-cost situational awareness system with retractable mounting

- **CYBER**
  - Resiliency built in for secure mission operations

- **CABIN SITUATIONAL AWARENESS**
  - Troops remain aware of battlespace changes and are prepared when they join the fight

- **IN THE AIR**
  - V-22 Osprey

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