

A Leader in Advanced GPS Technology



Raytheon Company

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GPS Expertise

With decades of experience in developing and delivering diverse GPS technologies and products, Raytheon offers the most advanced military GPS avionics and navigation equipment available, including high anti-jam systems, integrated GPS/INS navigators, and high performance receiver modules. Raytheon is also the industry leader in developing precision satellite ground control systems, with 110 unique ground systems for space satellites and 75 GPS systems currently in use in navigation, transportation, surveying and rescue operations. We serve numerous DoD, civil, and commercial customers.

Our customers and partners expect cutting edge technology from Raytheon. They rely on us to lay the foundation for transformational change in GPS capabilities. Our advanced microelectronics and breakthrough security solutions prompted the Air Force Space and Missile Systems Center to select Raytheon to design and develop the next generation of military GPS receivers. Our modernized user equipment (MUE) receiver card development program will ultimately yield a family of high-performance, low cost M-code GPS user equipment.

In November 2007, Raytheon was down-selected to develop a new system design for the next-generation global positioning system control segment (GPS OCX), enhancing GPS performance for both military and civilian network users. This revolutionary program will refocus GPS operations from satellite command and control to user-directed, effects-based operations. The GPS OCX control system will fully support legacy satellites while exploiting signal and navigation improvements aboard the latest GPS III satellites, such as advanced anti-jam capabilities and improved system security, accuracy and reliability.

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Key Words:
GPS OCX
GNS

GPS and Navigation Systems

Raytheon's advanced avionics GPS systems include the Miniature Airborne GPS Receiver 2000 SAASM and the Digital Anti-jam Receiver for modern and legacy aircraft; anti-jam GPS receivers; integrated GPS/INS systems; our GPS-Aided Inertial Navigation System for guided munitions; and the Advanced GPS Inertial Navigation Technology system, offering frequency spatial time adaptive processing in a small, affordable unit.

Precision Satellite Ground Control

Raytheon is the only contractor building ground stations for all prime contractors involved in U.S. space efforts. We also provide the ground station for NASA's National Polar-orbiting Operational Environmental Satellite System, as well as products for the Air Force Weather Agency; National Oceanic and Atmospheric Administration; National Reconnaissance Office; and National Security Agency. We supply Differential GPS products for unmanned reconnaissance aircraft and commercial maritime applications.

About Raytheon

Raytheon Company, with 2007 sales of \$21.3 billion, is a technology leader specializing in defense, homeland security and other government markets throughout the world. With a history of innovation spanning 86 years, Raytheon provides state-of-the-art electronics, mission systems integration and other capabilities in the areas of sensing; effects; and command, control, communications and intelligence systems, as well as a broad range of mission support services. With headquarters in Waltham, Mass., Raytheon employs 72,000 people worldwide.

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Customer Success Is Our Mission