

Lockheed Martin Advances Threat Protection On U.S. Air Force GPS Control Segment

Upgrades enhance data security and sustainability for more than one billion daily users

COLORADO SPRINGS, Colo., Nov. 9, 2015 /PRNewswire/ -- Security upgrades developed by Lockheed Martin (NYSE: LMT) for the current ground control system of the U.S. Air Force's Global Positioning System (GPS), are now fully operational to safeguard data and ensure satellite availability.

The GPS Intrusion Protection Reinforcement (GIPR) technology refresh is part of the Air Force's strategy to modernize the current GPS

system and to ensure the availability of its services for more than one billion global military, civilian and commercial users daily. GIPR advances the Operational Control Segment's ability to protect data and infrastructure, enhance the sustainability of the system, and meet future GPS operational requirements. Infusing advanced hardware and software solutions for information assurance provides improved protection against today's rapidly changing cyber threats.

"The GPS Control Segment Sustainment (GCS) contract is vitally important to the sustainment of positioning, navigation and timing services for our military, government officials and citizens," said Vinny Sica, vice president of Lockheed Martin's Space Ground Solutions. "A system this large requires continued security focus and that's where Lockheed Martin's information security capabilities are on the cutting edge."

Beyond data protection, GIPR resolves many equipment obsolescence issues and



Future GPS III satellite in development by Lockheed Martin

increases system maintainability with modern vendor supported hardware and operating systems. This is the second major technology refresh on the GPS command and control system since the GCS Sustainment contract was awarded.

The Air Force awarded Lockheed Martin the GIPR engineering modification in 2013, and the system is now fully deployed into the GPS Master Control Station and the Alternate Master Control Station. The project included system design, hardware procurement, software development, network configuration design, and technical documentation.

The [Global Positioning Systems Directorate](#) at the U.S. Air Force Space and Missile Systems Center contracted the GIPR upgrade. [Air Force Space Command's 2nd Space Operations Squadron \(2SOPS\)](#), based at Schriever Air Force Base, Colo., manages and operates the GPS constellation for both civil and military users.

For additional information, visit our website:

www.lockheedmartin.com/us/products/gpsgcs.html

About Lockheed Martin

Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that – with the addition of Sikorsky – employs approximately 126,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services.

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