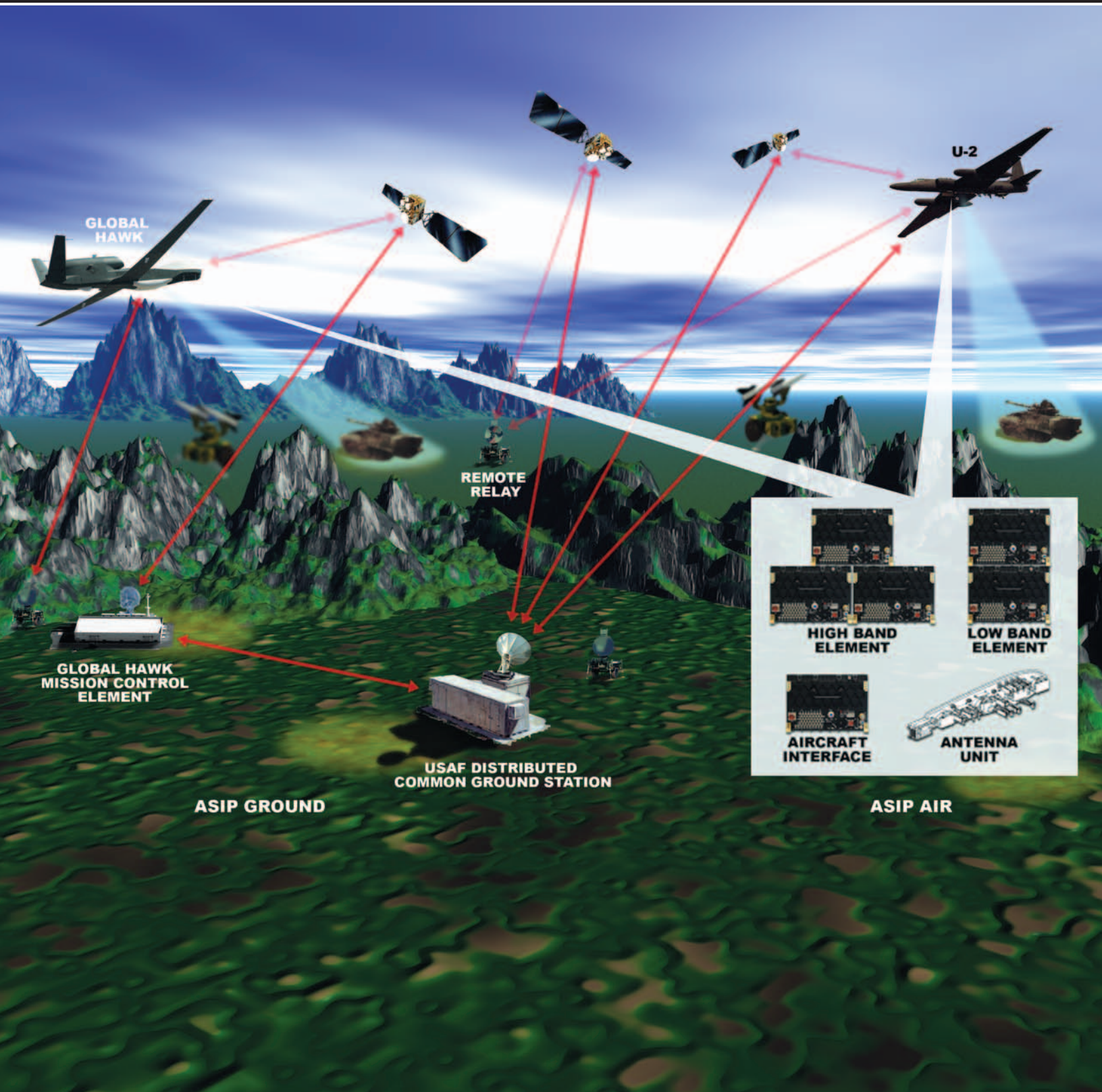
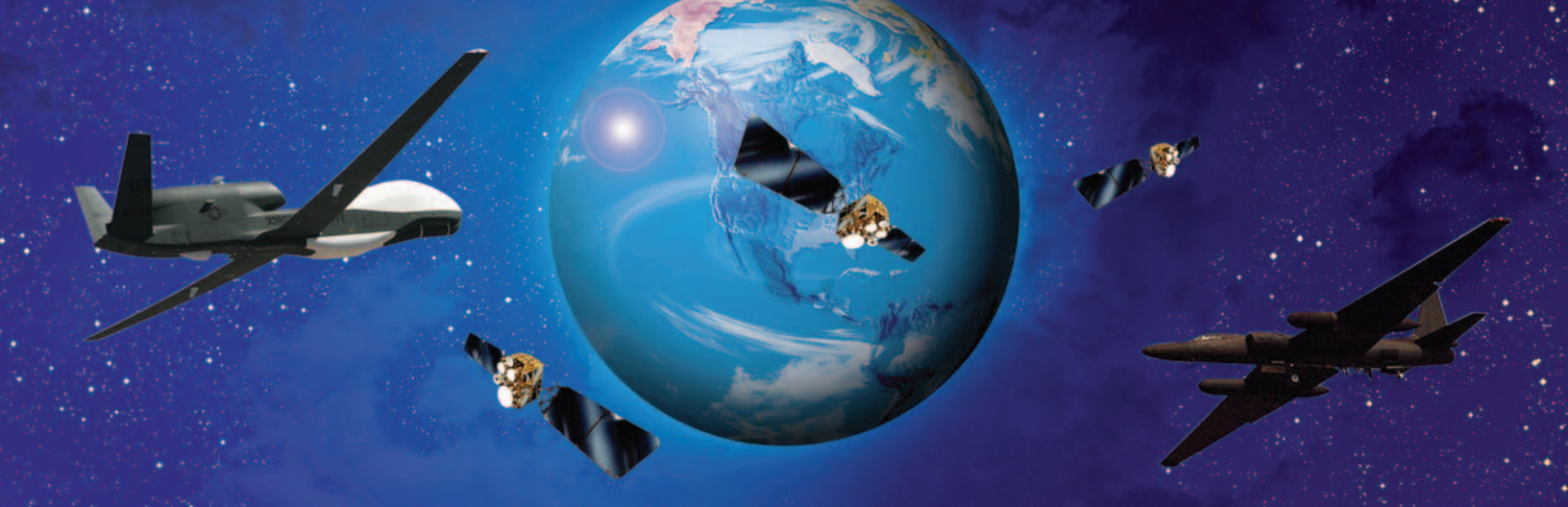


Exploiting SIGINT

Meeting the challenge of proliferation and increasing complexity





Around the globe, modulated, encrypted and multiplexed signals are increasing in number, type and complexity, creating challenges for organizations employing signal surveillance exploitation.

Today's airborne payloads require advanced architectural designs and technical implementation to meet these challenges with improved signal location and exploitation capabilities.

Advanced Solutions for Airborne Signal Intelligence

Northrop Grumman develops modern, integrated airborne SIGINT payloads that are affordable, scalable and sustainable for a variety of airborne platforms. The company's Airborne Signals Intelligence Payload (ASIP) program addresses critical design factors including:

- Advanced algorithms for modern signal exploitation
- Supports cross-cueing capability
- Exploitation in dense signal environments
- Well defined open architecture using industry standards for physical interfaces and protocols, Joint Airborne SIGINT Architecture standards, where defined
- Scalability to meet requirements of various platforms

- Emphasis on use of COTS products
- Software upgradeability for rapid response to new and emerging threats
- Greater operational flexibility in support of warfighters, with common designs shared among platforms
- Reduced complexity in operations, maintenance and logistics support
- Improved affordability for multiple platform fleet modernization
- Greater leverage of commercial development with reduced need for signal-specific hardware

Setting the Standard in SIGINT

Northrop Grumman is a premier developer of airborne SIGINT payloads. The company builds and supports airborne SIGINT payloads for a variety of domestic and international aircraft, including U.S. Air Force and Army platforms. Its ASIP payload, in development for U-2 and Global Hawk platforms, is consistent with the endorsement of the Under Secretary of Defense (Intelligence) for modern airborne SIGINT systems.

Domestic and international clients look to Northrop Grumman for tactical reconnaissance and direction-finding systems with technology they can depend on. They company

has produced more than 200 airborne communications intercept and direction-finding systems for helicopters, turboprop and turbojet fixed-wing aircraft.

COMINT and ELINT Solutions

With decades of experience in developing advanced airborne reconnaissance systems, Northrop Grumman delivers proven technology for communications and electronic intelligence (COMINT and ELINT) systems. The company's COMINT solutions enable interception, geolocation and processing of communication signals using advanced, proven methods that overcome problems associated with complex and wide instantaneous bandwidth modulations. Northrop Grumman's solutions enable automatic, fast, wideband search, high-confidence identification and precision emitter location of complex radar signals in dense signal environments with advanced ELINT signal processing and high signal throughput on COTS processors.

ASIP – a modern system for modern platforms.

For more information, please contact:

Northrop Grumman Mission Systems
6377 San Ignacio Avenue
San Jose, CA 95119
408-531-2376

www.northropgrumman.com

© 2007 Northrop Grumman Space & Mission Systems Corp.
All rights reserved.
MS1810107

NORTHROP GRUMMAN

DEFINING THE FUTURE™