The Alliance Ground Surveillance Programme

NATO AGS Operations

The AGS Core provides unprecedented real-time airborne ground surveillance and situational awareness information throughout the full range of operations for NATO and its Nations. A system of systems, the AGS Core consists of air, ground, mission operations and support elements, performing all-weather, persistent wide-area terminal and maritime surveillance.

Using an advanced radar sensor, augmented with off-board Electronic Support Measures (ESM) and Identification Friend or Foe (IFF) transponders and Full Motion Video (FMV), the AGS Core fuses sensor data, continuously detects and tracks moving objects, provides object emission profiles as well as imagery of stationary objects throughout the observed areas.

Each AGS Core ground entity and the Air Vehicle Missions Command and Control (AVMCC) exchanges NATO standard Command, Control, Intelligence, Surveillance, and Reconnaissance (C2ISR) data with interoperable NATO and national systems. Further expanding the situational awareness available to ground, maritime, and air commanders in support of NATO missions anywhere in the world.

The AGS Core, supplemented by national systems, will provide unprecedented situational awareness to different levels of command in support of NATO forces engaged in the full range of missions.

NATO AGS – The height of ISR knowledge

Northrop Grumman