

# Common Ground Station (CGS)



*Don't Trust Your Future With  
an Unknown*

Proven in Wartime Operations

Battle Management using near real-time data

## Proven in Wartime Operations

The Common Ground Station has been in service since 1996. During that time 102 Common Ground Stations and 70 Joint Service Work Stations have been deployed in support of U.S. Forces around the world.

The CGS is a mobile tactical data processing and evaluation center. The CGS is a subcomponent of a joint Army/Air Force program whose other major component is the E-8 airborne platform. The CGM processes data from the Joint STARS aircraft and Unmanned Aerial Vehicles (UAV) and disseminates intelligence, battle management and targeting data to Army Command, Control, Communications and Intelligence (C3I) nodes via lan, wire or radio. This enables integrated battle management, surveillance, targeting and interdiction plans to be developed/executed using near real-time data.



# Common Ground Station

## System Specifications:

Maintaining a 98 percent operational availability, CGS and JSWS are operationally deployed in support of several missions including:

- Operation Iraqi Freedom
- Operation Enduring Freedom
- Global War on Terrorism
- Bosnia/Kosovo
- U.S. Forces Korea
- U.S. Forces Europe
- MTI Forensics
- Force Protection
- Border Surveillance

### Select Focus™

- Enables high quality imagery and video at ultra low bandwidth, directly to the soldier
  - Multiple real time video feeds
  - Import/export all common imagery formats including NITF
  - Integrated transmit/receive imagery products across network

### Interfaces:

- P3 Orion
- ASTOR Sentinel
- Global Broadcast System (GBS)
- Army Battle Command Systems (ABCS) – Publish and Subscribe Services (PASS)
- DCGS Integrated Backbone (DIB)

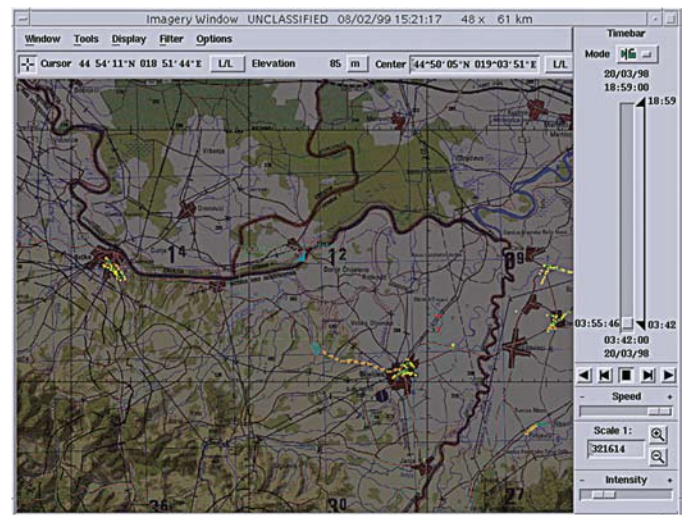
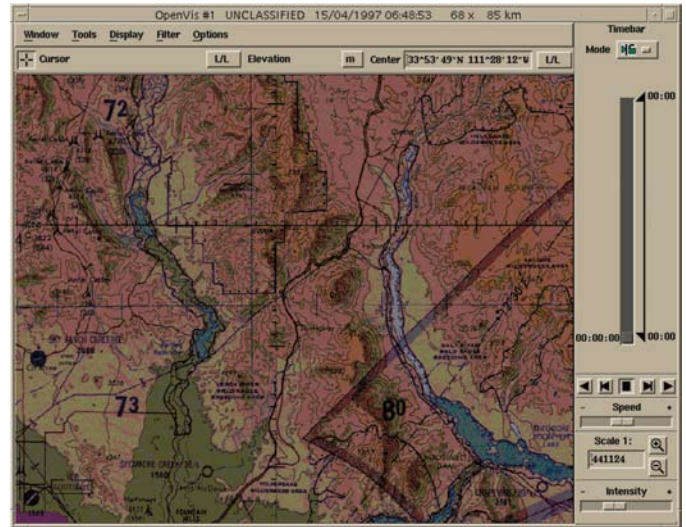
### Service Based

#### Architecture:

- Services published over the network, interoperable with PASS and DIB

### Published services:

- Moving Target Indicator (MTI)
- Unmanned Aerial Vehicles (UAV)
- Track
- Signals Intelligence (SIGINT)
- Fire Detections
- Services are discovered and distributed via PASS and the DIB



## GENERAL DYNAMICS

### C4 Systems

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