MGCS
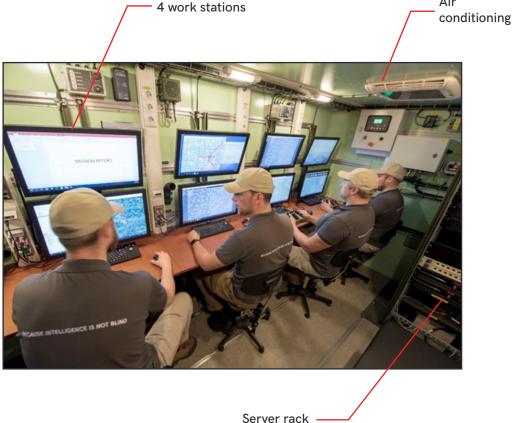
The mobile ground control station is a high capability GCS for long duration missions where maximum operational capability, integration and user comfort is required. MGCS type control stations can be built inside various shelters and containers.

THREOD
SYSTEMS

FM2 shelter

4 work stations

Air conditioning

Power and data connections

Server rack

Key features:

- Modular solution with many configuration options

- Can be connected to all common GDT´s

- Various accessories to choose from

MGCS Specifications

Standard configuration with FM2 shelter

MGCS used with Stream C UAS

Shelter	
Type	FM2
Dimensions	4250 x 2200 x 2075 (LxWxH)
Total Mass	1T
Workstations	4 seats (pilot, payload operator, image analyst, mission commander)
Monitors	8 total, 2 per workstation
Climate Control	Air conditioning, heating
Generator	4 kW
UPS	Backup power provided by integrated batteries via Power Distribution Unit (PDU)
Illumination	Regular and battle illumination
Equipment Rack	
Size	35U
Workstation Computers	4x 2U rugged workstations with Core i7 processors, dedicated graphics card, mirrored SSD storage
Server	1x 2U rugged server with Core i7 or Xeon processor, optional dedicated graphics card, mirrored SSD storage
Tactical Radios	Mounting options for several tactical radios
Networking	Managed Ethernet switch with 24x PoE and 4x SFP ports for F/O connectivity

Interfaces	
Communication	Outer panel includes multiple Ethernet and F/O plugs in standard or custom military formats
Power	External A/C input A/C output from PDU with UPS redundancy
Environmental	
Operating Temperature	-20 °C to +50 °C
Standards	
Environmental	MIL-STD-810G
Features	
Integrated weather station	
Highly customizable according to client specifications	

Note! MGCS can be built inside various shelters and containers. Components such as monitors and servers can be selected according to user requirements. Contact Threod for options and quotations.

MGCS is UAS agnostic, which means it can be used with many different unmanned systems and subsystems. Threod Systems also provides mission software and simulation systems which can be configured per user needs. MGCS can be used with most GDT solutions and its performance can be enhcanced with various hardware and software solutions.

MGCS on MAN truck

MGCS workstations

MGCS server rack

THREOD SYSTEMS

info@threod.com
www.threod.com