

ABOUT US

The world leader in unmanned aerial systems.

We invent and pioneer modern solutions for military, security, governance, environmental operations and more.

We support our customers with the greatest medium-altitude and small unmanned aircraft systems, and cutting-edge mission payload and exploitation technologies.

OUR MISSION

Provide persistent, versatile, affordable airborne surveillance and effects, and turn surveillance data into actionable intelligence.

Expeditionary Ground Control Station

MODULAR C2 WITH END-TO-END CAPABILITY

General Atomics Aeronautical Systems, Inc.'s (GA-ASI) **Expeditionary Ground Control Station (EGCS)** is built on more than 25 years of experience in developing and deploying command and control (C2) for unmanned aircraft systems (UAS). This modular system leverages prior defense investments in open architecture software development to provide an updated user experience for UAS C2 within a ruggedized, highly affordable, and portable package.

The EGCS is a fully featured, go-anywhere ground system that easily accommodates changing mission requirements and supports GA-ASI's Modernized Gray Eagle® Extended Range (ER), Gray Eagle® Short Takeoff and Landing (STOL), and Eaglet aircraft. EGCS is both dual operator and single operator compatible, enabling multi-entity, multi-platform control with increased survivability and maneuverability—all within a minimal footprint.

Expeditionary Ground Control Station

MODULAR C2 WITH END-TO-END CAPABILITY

CHARACTERISTICS

HARDWARE
Desktop, laptop, and/or mission server

OPERATING SYSTEM
Containerized applications able to run on Windows or Linux

DATA LINK SUPPORT
Portable Ku-LOS, Ka/Ku BLOS, PLEO, and mesh data links

WEIGHT
Separable subsystems (2- to 4-person lift)

STANDARDS SUPPORT
STANAG 4586, STANAG 4609, MISB 0601, and built on FACE® 3.1

SUPPORTED UAS

Modernized Gray Eagle® ER

Gray Eagle® STOL

Eaglet

FEATURES / BENEFITS

- Advanced User Experience (UX) & Human Machine Interface (HMI)
  - » Single pane of glass for UAS C2
  - » Native support for autonomous tasking and collaborative autonomy
  - » Built to enable multi-entity, multi-platform control
  - » Plug-and-play insertion of AI / ML and sovereign capabilities
- Modular Open Systems Approach (MOSA)
  - » FACE® 3.1 software architecture for C2
  - » Containerized deployment supports rapid application integration
  - » Cloud-ready deployment for networked C2 and data mesh integration
- Modular and Expeditionary Hardware
  - » Ruggedized hardware built to meet demanding environmental requirements
  - » Customizable hardware for specific mission needs
  - » Hardware and software separation to deliver a scalable control interface
- Full Mission Control of Group 4 and 5 UAS
  - » Full ground subsystem support, including radios and tactical links
  - » 30-minute holdup for safety-of-flight in case of power disruption
  - » Dual operator and single operator support to suit mission needs
  - » Hosts tactical-edge software such as Optix for intel analysis and dissemination



Configurable hardware and software designed to adapt to expeditionary mission requirements

CONTACT US
14200 Kirkham Way
Poway, CA 92064
+1 (858) 312-2810

SCAN TO LEARN MORE

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Enabling Information Dominance