OBJECTIVE

GA-ASI’s Safety, Technical Operation, Reliability, Maintenance (STORM) Ground Control Station (GCS) significantly improves the Human-machine Interface (HMI), ergonomics, and mission capability for GCS operators. STORM consists of a GA-ASI legacy Pilot/Payload Operator (PPO) GCS workstation equipped with a Linux PC computer upgrade. This provides increased processing performance, improved reliability, Hi-Resolution Video and single-seat pilot and sensor operations. HMI improvements include HD-integrated touch screen displays, as well as a video switching capability that allows aircrew to move any video source to any screen except the HUD. A 24-inch display between the pilot and payload operator provides screen space for shared pilot/payload data such as weather, airspace, or any information of interest to both aircrew. Other ergonomic layout improvements include electronically adjustable and heated aircrew seats and electronically adjustable rudder pedals.

FEATURES

- PPO workstation equipped with 11 HD displays supporting improved data and video presentation
- Each PPO workstation is configured with the following equipment:
  - Map tracker display
  - Head-up display
  - Head-down display
  - Auxiliary displays
  - Common center display
  - STORM Crewstation console
  - Payload Operator Hand Controller (optional)
  - Electronically adjustable Rudder/brake pedals
  - Digital Flight Recorders (DFR) with 24-day recording capability
  - Upgraded intercom/radio system
- User adjustable monitors improve viewing angle for operators
- Ergonomic electric-powered seats
- Network TCP/IP data and video dissemination
- Supports LOS, DLOS, and SATCOM data links
- Mobile (MGCS), Dual Control Mobile (DCMGCS) and Fixed Facility GCS (FPGCS) configurations.
- Integrated UPS battery backup/power distribution system

Reliable Performance