



MGCS CIVIL

GROUND CONTROL OPERATOR SOFTWARE
FOR COMMERCIAL APPLICATIONS

LOCKHEED MARTIN 
We never forget who we're working for®

MGCS

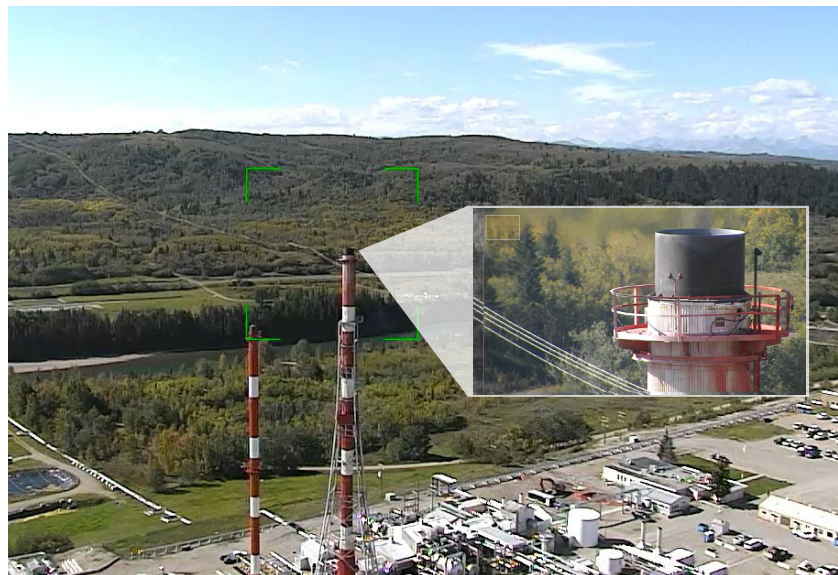
mGCS is our mobile ground control station, built on the million hour legacy of our larger systems. It serves as the UAV operator's user interface for flying small unmanned vehicles. mGCS is optimized for portability, supporting touch screen tablets, laptops or hand-held controllers. mGCS is universal in that it can be used with numerous types of aircraft, be it quad-copter, fixed wing or otherwise. mGCS supports interoperability through STANAG 4586. mGCS will be the last GCS you ever need to buy whether you have one type of aircraft, or an evolving fleet.

FEATURES:

- **Fly the Mission** – optimized to take care of the flight for you, leaving the operator to focus on the sensors and the overall job at hand.
- **Intuitive** – works just like any other app, using a simple touch screen interface to handle advanced maneuvers with the tap of a finger.
- **Interoperability** – uses the STANAG 4586 protocol to enable interoperability with multiple aircraft or other ground control stations.
- **Map and Video** – allocates primary screen space to map and video, which can be swapped with a single touch.
- **Mapbox** – Access to free, worldwide, high resolution maps downloadable with an internet connection
- **Recording** – automatically records all flight data, including video and stills, in digital formats, for later review and analysis.
- **Sensor based** – allows the user to focus his attention on the sensor feed, using click and drag in the video window or joysticks for camera slewing.
- **Automation** – allows creation of complex missions or area searches which are executed automatically without user aid.
- **Safety** – prompts the user with bright colored warnings and audible alerts whenever there are issues with the aircraft, or the flight parameters.
- **Joysticks** – uses gaming joysticks or an embedded hand controller for complex inspection maneuvers or camera control
- **Remote Video Terminal** – allows distribution of payload viewing to other copies of mGCS or mobile devices, including segregation of payload control from flight control.
- **Data Fusion** – completely integrates with our Hydra Fusion Tools™ mapping software which can create wide area 3D maps maps in real-time.

mGCS is configured to operate effectively on Windows® operating systems and is optimized for portable computing environments.

mGCS is compatible with the Lockheed Martin Kestrel Autopilot and Micropilot® Autopilots.



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