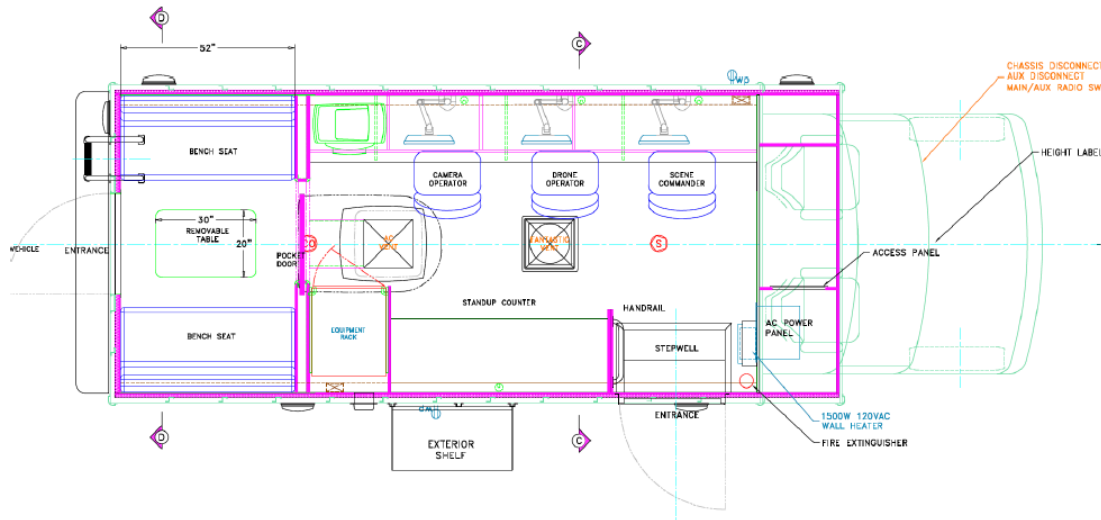# OnScene Commander™ Mobile C3 Unit

**Defense-Grade Blue Force Tracker for States and Municipalities**
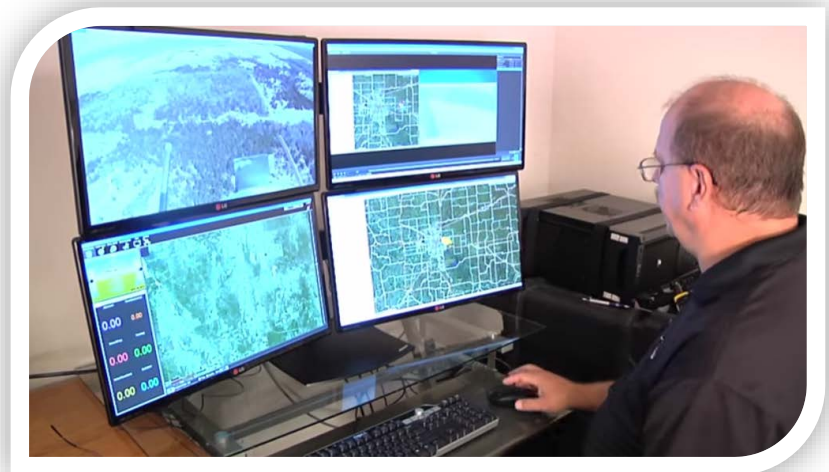
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## Mobile Command, Control, and Communications for In-Field Emergency and Recovery Management

**Staging.** Assign satellite transponders to personnel and equipment while OnScene Commander is rolling toward the preparation area.

**Resource Tracking & Management.** Monitor and record individual and equipment movement within a geo-fenced area, with GIS and visual data recorded and shared with local and remote commanders. Create and maintain situational awareness and a common operating plan.

**Event and Post-Event Analysis.** Study a situation in real time, commanding and coordinating more effectively, and review an incident after it's over for training and improvement.

**OnScene Commander** is a civilian version of a widely used GPS-enabled system used by the military to track friendly ("blue force") troops and resources. For example, a Sikorsky UH-60 Black Hawk pilot wears one strapped to his leg at all times. PLEXSYS Interface Products, Inc. is a defense contractor based in Washington State and Oklahoma City (at Tinker AFB), specializing in C2&ISR, Fighter, and Bomber aircraft simulation and support systems. OnScene Commander will be deployed this summer at the United States Military Academy at West Point, tracking 160 cadets in training exercises. In Oklahoma, five OnScene Commander units, installed in trucks and equipped with all necessary equipment, will integrate with the State's existing procedural and communication systems, dramatically expanding responsiveness and event coordination and management.

# OnScene Commander™
# Mobile C3 Unit

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**Defense-Grade Blue Force Tracker
for States and Municipalities**

*Includes unmanned fixed and rotary wing aircraft, batteries, cameras, pilots.*

## State of Oklahoma Mobile C3 Unit Configuration

The **OnScene Commander Mobile C3 Unit** is crafted by Turtle Top, a leading manufacturer of special-purpose light buses. This mobile command center is built on a Ford F450 chassis. It contains workspace for the OnScene Commander operator; an aircraft pilot; and a camera operator, and seating for three others plus a driver. With a 7 kW generator, satellite communications, and a rear workspace, OnScene Commander and field commanders can co-locate with other command units at the site of the emergency, providing real-time information and control over rescue, recovery, or firefighting operations and resources.

### Wildfire and Post-Disaster Response Support

- Ground Asset Management with Personnel Accountability & Warning System (PAWS): "Where are my people and equipment?"
- Integration with Unmanned Aerial Systems (UAS), with common operating picture and eye-in-the-sky functionality
- Field Video Distribution to any fixed or mobile device
- Reliable Two-Way Communications via Iridium Satellite, plus integration with existing VHF systems; "man-down" and "out-of-bounds" warnings
- Provides safe egress to crews
- Infrastructure Awareness: GIS location of shelters, utilities, hydrants, shutoffs
- UAS Bird Dog and Probe Operations
- Optional UAS-based Air Sampling

## Indispensable for Wildfire Fighting or Recovery Operations

Seated next to a drone pilot and camera operator in the OnScene Commander mobile command/control/communications center, the OnScene Commander operator studies mapping data that is combined with real-time video images. Emergency personnel and equipment in the field carry satellite transponders that signal location and exchange text messages, even warning "man down" when a transponder stops moving. Transponders also let an operator know when someone has moved outside a geo-fenced area. Combined with mapping data, a OnScene Commander can instantly alert leaders in the field if a fire shifts direction, or guide them to movement spotted under rubble in the case of recovery operations. Video and mapping data is combined into a single screen image and sent to the internet cloud. Bookmarked video feeds are accessible to those on location or anywhere else using any connected web browser. During or after an event, the archive can be studied for continuous improvement or changes in strategy.