

GL Studio and Leidos Partner for Multi-Function Display in FOX-V

“GL studio was used by Leidos to create an advanced Multi-Function Display for Live Exercise Command and Control in its Forward Observer and eXcon Vehicle FOX-V. See this in action at the Leidos Booth 1770 during IITSEC 2018.”



Challenge:

Looking for ways to present complex mission and systems performance data in a clear, concise and structured manner, Leidos envisioned a Multi-Function Display (MFD) format.

Solution:

Leidos with support from DiSTI, created a scalable and responsive framework to provide an MFD solution readily adaptive to current and future information access and presentation needs.

About the FOX-V:

The Forward Observer and eXercise control Vehicle (FOX-V) is a special projects support vehicle conceived, designed and outfitted by Leidos to support the Leidos Live Combat Training (LCT) team mission and exploratory needs.

Equipped and configurable to support data collection, analysis, communications, and network needs, the FOX-V can function as stand-alone “mini” Combat Training Center managing Platoon size MILES type training exercises or it can attach as a node on the CTC network.

The FOX-V provides the LCT unprecedented mobile capabilities for data collection of instrumented vehicles and soldiers, client/server application management and performance, network connectivity and bandwidth utilization, along with mission performance analytics, Observer/Controller capabilities, and after action review.

GL Studio Benefits:

- » 80% FASTER TIME TO MARKET
- » 6X BETTER RUNTIME PERFORMANCE
- » 50% LESS CPU UTILIZATION
- » HIGHEST CODE RELIABILITY
- » FIRST UI TOOL TO ACHIEVE ASIL D
- » 500MS OR LESS UI STARTUP TIME
- » ABSOLUTE DESIGN FLEXIBILITY
- » LOWER LIFETIME PROGRAM COSTS

AEROSPACE & DEFENSE INDUSTRY APPLICATION:

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| * AIRCRAFT INSTRUMENTATION PROTOTYPING & AVIONICS | * MARITIME BRIDGE SIMULATORS |
| * FLIGHT SIMULATORS | * SPACESHIP DISPLAY PROTOTYPING, AVIONICS & SIMULATORS |
| * GUNNER STATIONS/RETICLES | * MOVING MAP SIMULATORS |
| * UAV GROUND CONTROL STATIONS | * GROUND VEHICLE CONTROLS & SIMULATORS |

About GL Studio:

Leading OEMs and Tier 1 suppliers use GL Studio to create cutting-edge graphics for digital clusters, HUDs, and IVI solutions. GL Studio has **supported over 40 different Arm-based target systems** with adoptions by companies such as Boeing, GARMIN, GE Transportation, Hyundai Mobis, Jaguar Land Rover, Lockheed Martin, NASA, Northrop Grumman, Raytheon, and The Spaceship Company. GL Studio can be ported to any OpenGL based target system.

