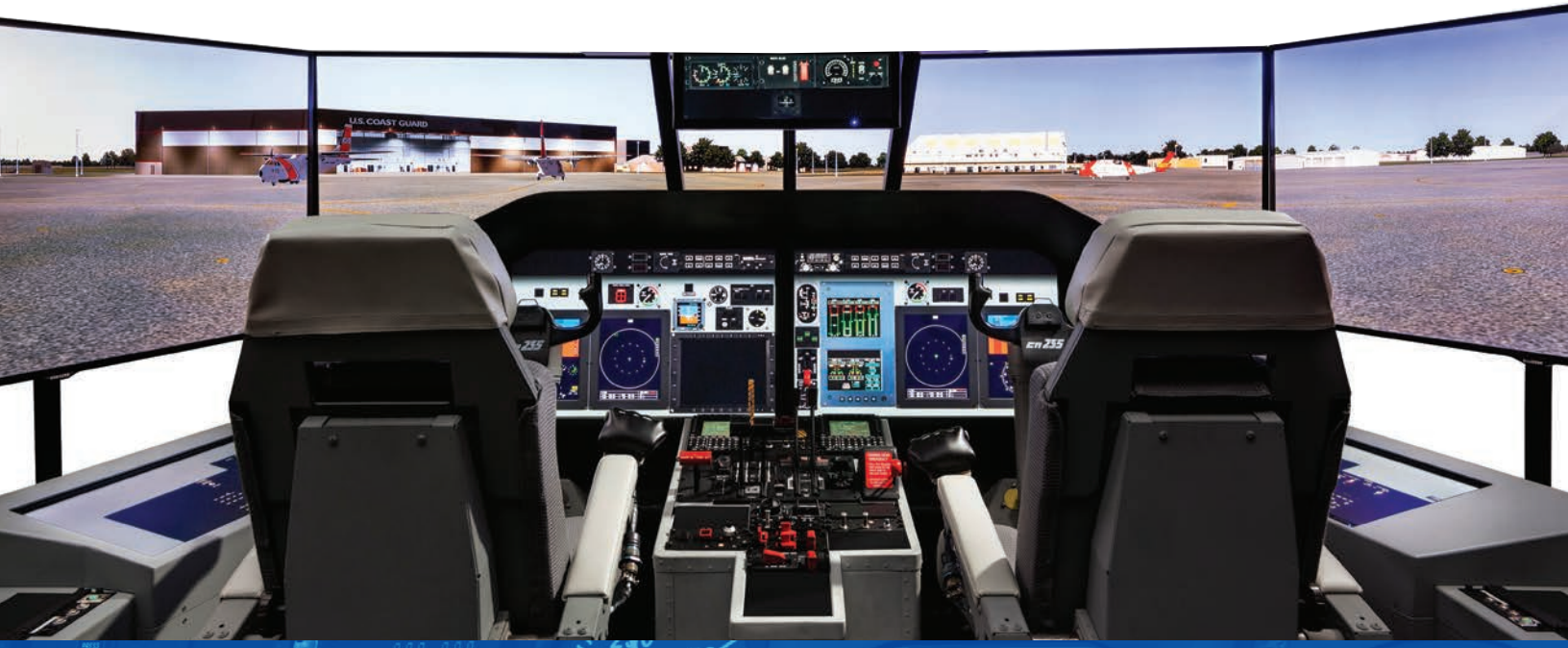
GL Studio®

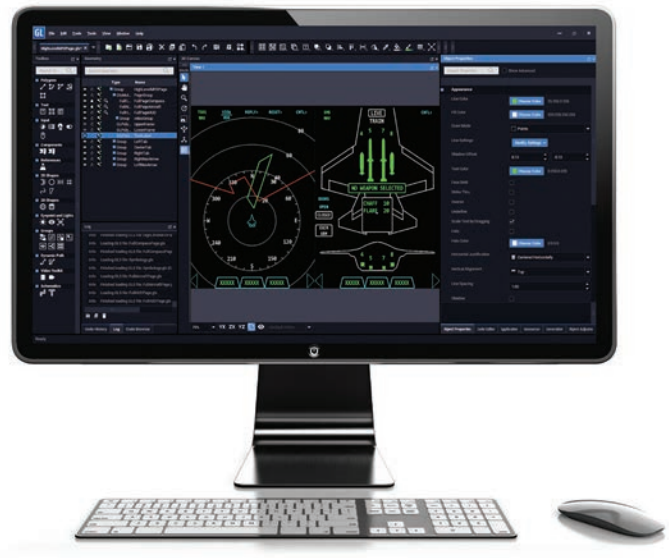


Develop High-Quality
Human Machine Interfaces

DiSTI

The Developer's Choice for Performance, Fidelity and Reliability.

GL Studio delivers high fidelity, feature-rich 2D and 3D graphical interfaces with ease. Our award-winning software supports drag and drop 2D and 3D file formats, flexible development environments, compatibility with any third party scene graphs, and an industry-leading runtime engine. Developers create cockpit instruments, dashboard flight simulators, symbology, and full immerse cockpit environments.



GL Studio®

Ps

3 MAX

SVG

Design without Compromise.

Deliver a full 3D user experience without compromising flexibility and performance. GL Studio supports numerous file formats, including 3ds Max, Photoshop and .Svg, delivering 100% correlation between concept and reality.

Conceptualize, Develop, and Deploy.

Simulated Cockpits and Avionics

Replicate cockpit instrumentation and MFDs at a fraction of the cost of procuring actual flight hardware.

Part Task Trainers

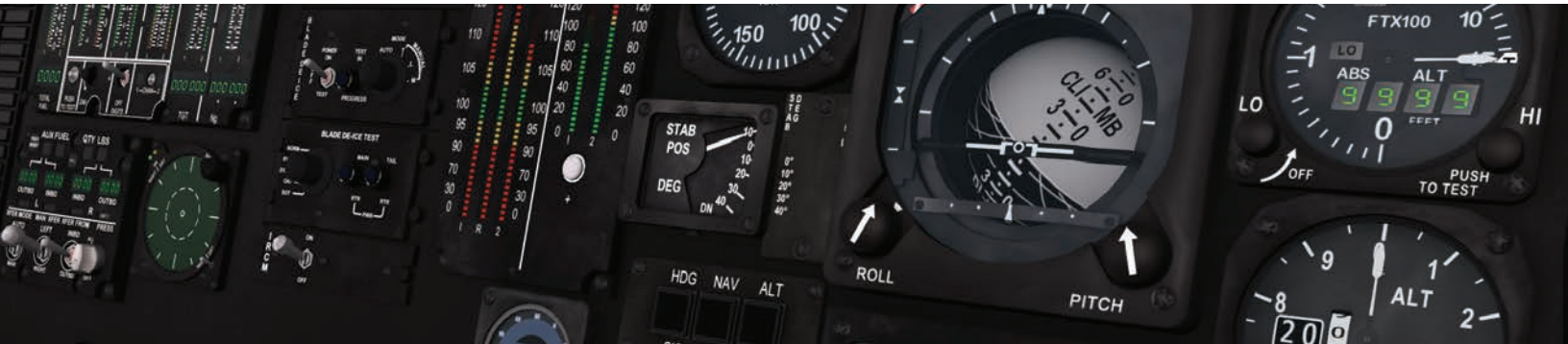
Reproduce complete aircraft cockpit layouts into touchscreen displays enabling lower cost training.

Symbology

Create heads-up-displays and other complex symbology that seamlessly integrates with third party scene graphs.

Instructor Operator Stations (IOS)

Re-purpose graphical content into IOS, repeater panels, and after-action-review stations for maximum benefits.



A flexible, functional development process.

GL Studio HMI development tool offers complex 2D and 3D development without compromising performance, flexibility or reliability.

GL Studio enhances the collaboration of graphics software and software implementation. GL Studio is quick and easy to use for graphic development. For programmers, GL Studio is flexible and easily customizable.

GL Studio®

Those seeking Safety-Critical development in Avionics need to look no further than GL Studio®. As an HMI software development tool GL Studio® was developed for DO-178C up to DAL A. Global industry leaders are utilizing GL Studio® for aircraft and spacecraft flying around the world.

Flexibility

- Platform-independent design portability
- Multi-touch and gesture support
- Customized toolbox objects and behaviors
- Cross platform protability for Linux, Windows, and embedded systems

Productivity

- Single push-button deployment
- Drag and drop assets and logic elements
- Instantly preview and test HMI
- Maintain external asset linkage

Simplicity

- Comprehensive importer for Photoshop and 3ds Max
- Design localization
- Object-oriented architecture
- Create HMI 60% to 75% faster
- Code generation reduces manual coding
- Ready-to-deploy for simulation and training

Performance

- Native C++ code
- Fast application start-up
- Five times the runtime performance
- Half the CPU utilization

UI Designers

Gather Art Assets

Preview, Review, and Test

Programmers

Design Work-flow

Customize Tools

Develop Behaviors

Customer Highlights

ESG Elektroniksystem
A Ten-year Partnership

For more than fifty years ESG Elektroniksystem- and Logistik-GmbH (ESG) has been one of the leading German companies in the development, integration, and operation of complex safety-related electronic and IT systems. During their tenure, they developed a robust reputation for delivering complex training systems on time and within budget to the German Bundeswehr.

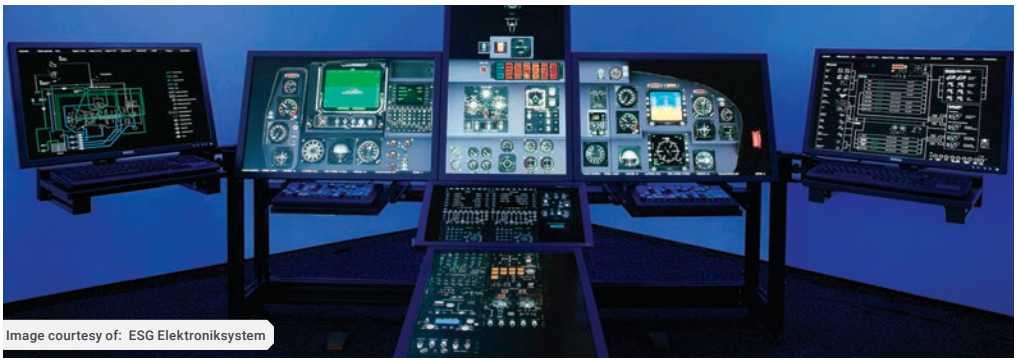


Image courtesy of: ESG Elektroniksystem

Aero Simulation, Inc.
C-144A Trainer Program

The U.S. Coast Guard has protected the United States since 1789 using unique systems to complete their mission such as, the HC-144A Ocean Sentry aircraft . This aircraft specializes in search and rescue, homeland security, disaster response and national defense missions.

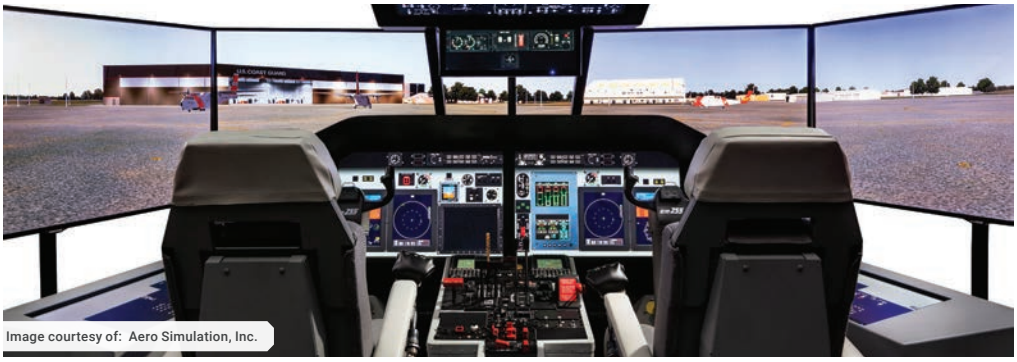


Image courtesy of: Aero Simulation, Inc.

Boeing
T-7A Red Hawk Avionics

The world's largest aerospace company adopted GL Studio software for the prototyping and production avionics in the T-7A Red Hawk. This aircraft is the new advanced pilot training system for the United States Air Force that will train the next generation of pilots for decades to come.

Draper
Artemis Lunar Landing Simulator

The Artemis program will ensure that NASA lands the first woman and next man on the moon by 2024. GL Studio was carefully selected by Draper to develop true-to-life 4D training simulations for landing a spacecraft on the moon. Draper selected GL Studio to develop the HMI for the panels and control displays of the Lunar Landing simulator.

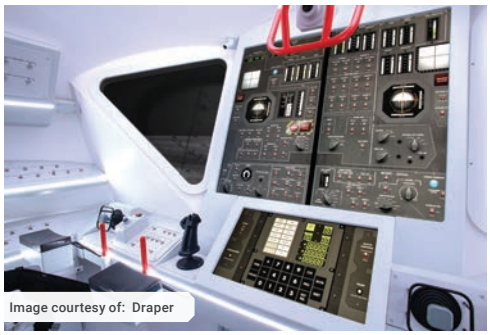


Image courtesy of: Draper

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