GL Studio®

DEVELOP
HIGH-QUALITY
HUMAN
MACHINE
INTERFACES

DiSTI®

DEVELOP. CREATE. INTERFACE.

GL Studio®

The Developers Choice for Performance, Fidelity and Reliability.

GL Studio delivers high-fidelity, feature-rich 2D and 3D graphical interfaces with ease. By supporting drag and drop 2D and 3D file formats, a flexible development environment, compatibility with any third-party scene graphs, and an industry leading runtime engine. Developers create cockpit instruments, dashboard, flight simulators, symbology, and fully immersive cockpit environments with ease.

Experience and Design without Compromise.

Deliver a full 3D user experience without compromising flexibility and performance. GL Studio supports numerous file formats, including 3ds Max and Photoshop, 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.

Symbology

Create heads up displays and other easy symbology which seamlessly integrates with third-party scene graphs.
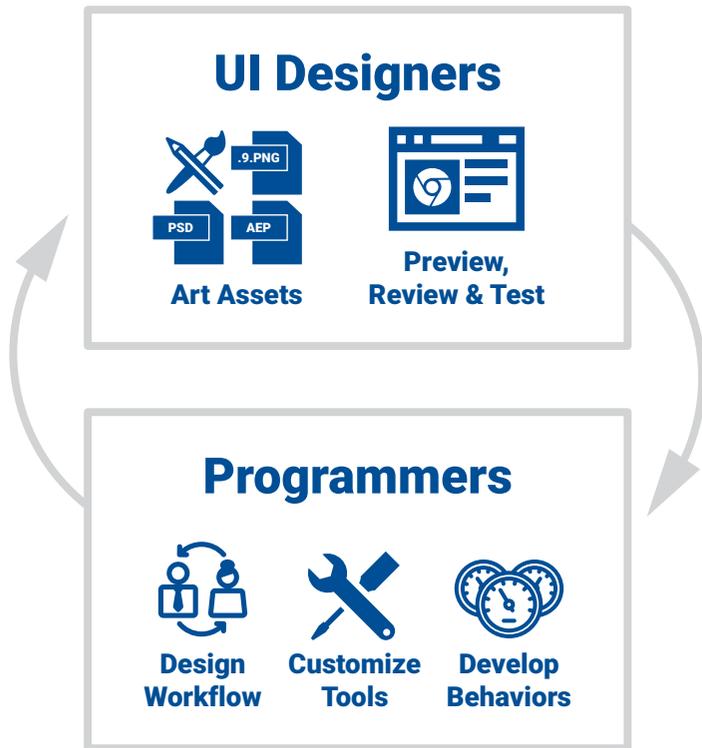
Part Task Trainers

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

Instructor Operator Stations

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

Flexible, Rapid HMI Development Process.

UI Designers

Art Assets

Preview, Review & Test

Programmers

Design Workflow

Customize Tools

Develop Behaviors

GL Studio 6.3

The newest version of GL Studio contains 50 new features and improvements.
- Improved Package Management System
- Conditional Rendering
- Text Ligature Controls
- PSD Importer
- GLS-Map Toolkit (1.5.1)

Create 2D and 3D HMI without compromise.

GL Studio enhances collaboration between the graphic software and the software implementation. For graphics development, GL Studio is quick and easy to use. For Programmers, GL Studio is flexible and highly customizable.

Simplicity

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

Flexibility

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

Productivity

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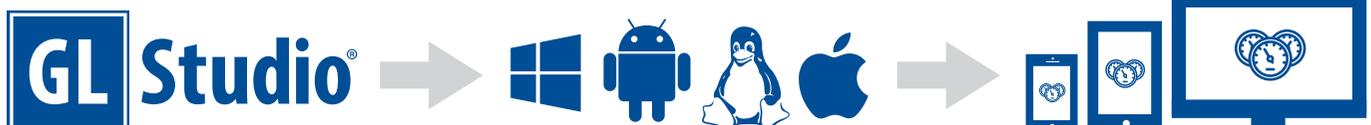Ready-to-deploy for simulation and training

Performance

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

GL Studio®

GL Studio Customer Case Studies

Aero Simulation

The U.S. Coast Guard has protected the United States since 1789. Unique systems such as the HC-144A Ocean Sentry aircraft are required to complete their mission. This aircraft specializes in search and rescue, homeland security, disaster response and national defense missions.
Read full Case Study:
www.disti.com/C144ATrainerProgram

ESG Elektroniksystem

For more than fifty years ESG Elektroniksystem- und 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 have developed a robust reputation for delivering complex training systems to the German Bundeswehr on time and within budget.
Read full Case Study:
www.disti.com/esgcasestudy

Scaled Composites

When world-renowned entrepreneur and designer Burt Rutan founded Scaled Composites in 1982, he created an environment where the best ideas thrive from collaborative efforts of small, close-knit project teams. Today Scaled Composites has a broad range of aerodynamic analysis and design capabilities.
Read full Case Study:
www.disti.com/ScaledComposites/

Since 1994, our software products and professional services have pioneered the advancement of the training experience for Fortune 500 companies, the U.S. Military, and clientele around the world. We bridge the gap between graphic artists and software engineeers with GL Studio to allow the creation of 2D and 3D simulated cockpits environments and avionics, symbology, part task trainers, and instructor operation stations.

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