



# Develop High-Quality Human Machine Interfaces

# 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®



## 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.

### Symbology

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

### Part Task Trainers

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

### 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.



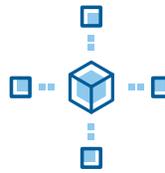
### Flexibility

- 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



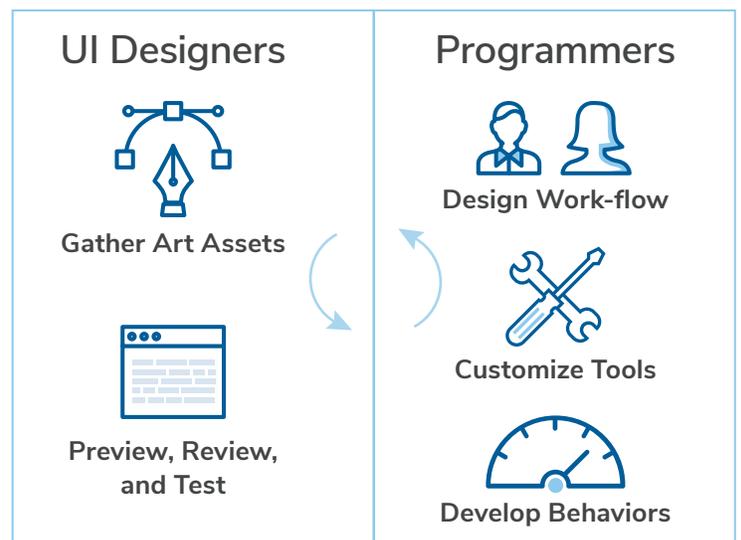
### Simplicity

- 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



# 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.



## Aero Simulation, Inc. HC-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.



## 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.



Elevate your team with tools they need. Get started now.

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Since 1994, DiSTI our software products and professional services have pioneered the advancement of the student experience for Fortune 500 companies, the U.S. Military, and clientele from around the world. We bridge the gap between UI Designers and engineers with GL Studio to allow the creation of 2D and 3D simulated cockpit environments, HUD displays, and safety critical embedded devices.



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## Virtual Training Development Platform

A Commercial-Off-The-Shelf (COTS) virtual development platform for desktop, mobile, augmented and virtual reality devices, designed for both maintainers and operators.



# Desktop, Mobile, and Cloud-Based Technological Solutions For Virtual Trainer Development



## Develop Training Solutions For Any Device

With VE Studio Software you can take advantage of the latest developments in Augmented Reality, Virtual Reality, desktop and mobile technologies.

Develop and deploy VE Studio projects to any devices, anywhere. The flexibility is yours.



## The Leading Virtual Maintenance & Operations Training Development Platform

Over the past fifteen years, we have perfected the process of managing the development of complex virtual training solutions. The world's leading Aerospace & Defense companies rely on solutions developed on VE Studio.

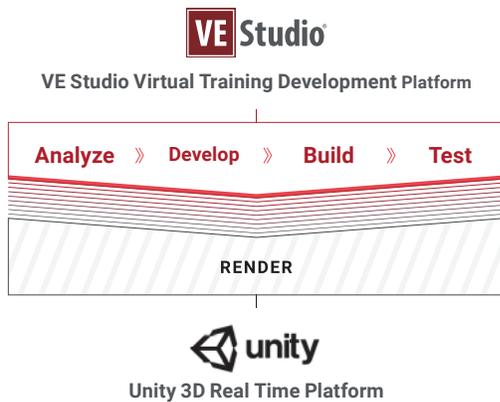


## Training, Operations & Field Services

- Virtual Maintenance Training
- Virtual Operations Training
- Field Service Mobile Refresher
- Equipment Familiarization Training
- Guided Field Services Augmentation
- Safety Training

# From Prototyping To Full-Scale, VE Studio Is The Total Solution

Build a virtual training prototype in a few hours then scale it to a full production system with thousands of procedures. The architecture of VE Studio allows rapid prototyping and iteration and is robust enough to handle the simplest part task trainers and the most complex equipment such as aircraft and weapons systems.



## VE Studio + Unity

### An Integrated Production Process

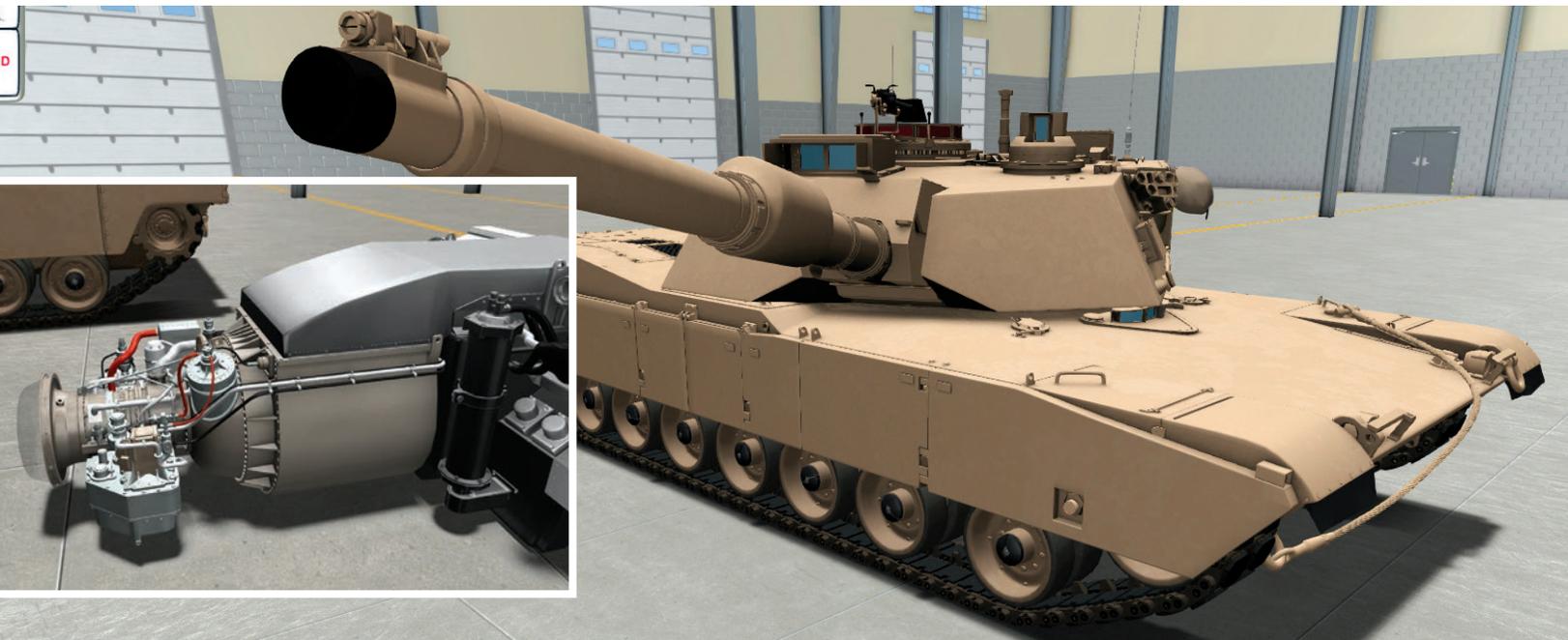
Together, VE Studio and Unity have combined resources to develop complex training solutions. This proven process includes; requirement identification and analysis, source data collection, virtual environment development, automated software build and regression testing. Then rendered on the world's most popular real-time 3D development platform.

### VE Studio Development Features

- Database-driven Production Pipeline
- Use Industry Standard 3D Models
- Revision Control Support
- Virtual Environment Framework
- Automated Requirements Analysis
- Requirements Traceability
- Automated Regression Testing

### VE Studio Additional Functionality & Modules

- Optimized CAD Conversion Recipes
- Simulation Engine Framework
- Procedure Monitoring/Lesson Engine
- Instructor Operator Station Application
- Student Station Training Application
- Intelligent Tutoring





# Drive Your Success with a Proven Platform and Production Process

The foundation of VE Studio is a relational database core called the Fidelity Matrix (FM). This user-friendly database contains all requirements, 3D objects, 2D support equipment, environmental properties, behaviors and constraints. The automated environment build and regression testing tools draws from the FM to construct and check the final environment.



Equip your team with tools they need, get started now.

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Since 1994, our software products and professional services have pioneered the advancement of the student experience for Fortune 500 companies, the U.S. Military, and clientele around the world. We leverage the data-driven platform of VE Studio and our patented processes to design and deliver highly scalable 3D virtual enablement solutions for maintainers, operators and field services teams on desktop, mobile and mixed reality devices.



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