DiSTI®

Capabilities Overview

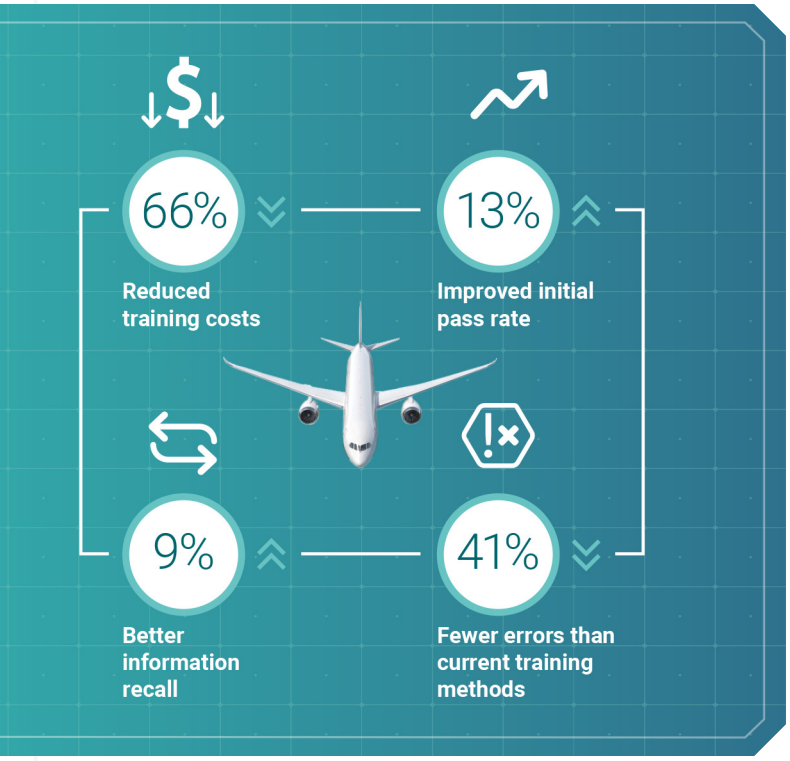
REPRESENT VE STUDIO & GL STUDIO IN:

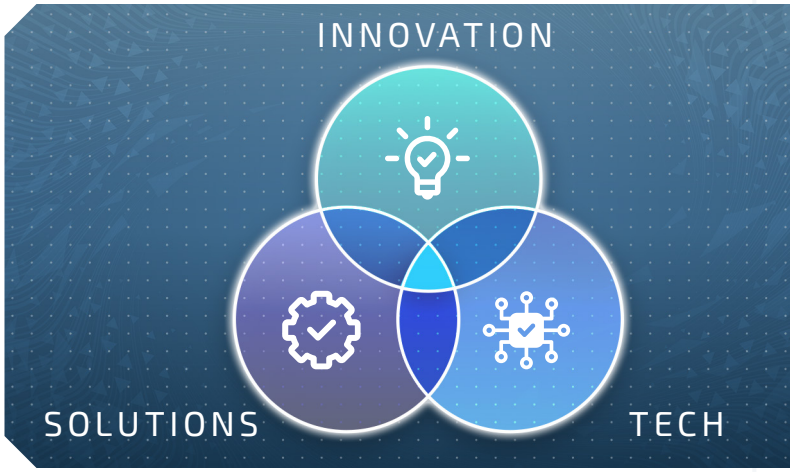
AVIATION | AUTOMOTIVE | DEFENSE | INDUSTRIAL

MEDICAL | POWER & ENERGY | SPACE | TECHNOLOGY

Contents

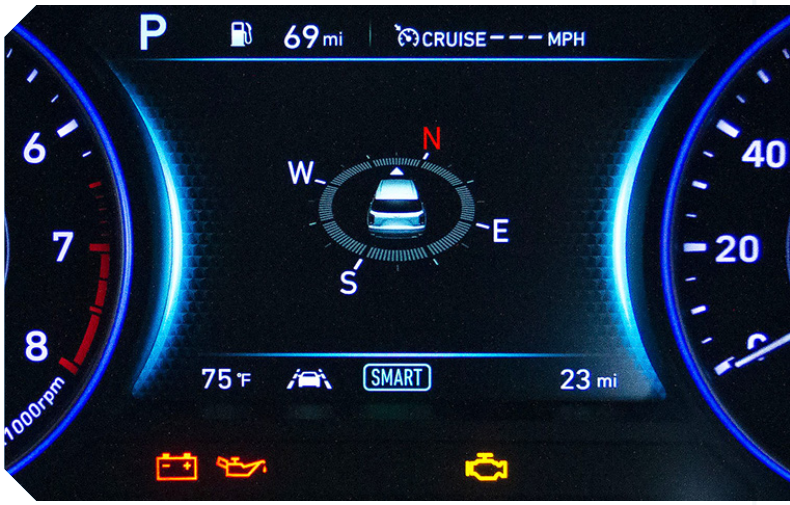
Company Insights





Company Products

Active Industries



Statement From the CEO

Global Leader Over 25 Years

The DiSTI Corporation has been delivering innovative technology solutions while building a solid business foundation for over twenty-five years. As CEO, my mission is to extend this trajectory into the future and cement DiSTI as a leading global solutions provider.

Our industry continues to face new challenges; the pace and scale of change in our business environment are unprecedented.

That is why we remain fully committed to strengthening our capabilities and those of our customers. We must align our actions to meet the needs of our clients. We are confident that we can continue to exceed the expectations of those we conduct business with by carefully considering their respective interests.

> *"We remain fully committed to strengthening our capabilities and those of our customers."*

As a team, our mission is driven, guided by strong and meaningful values, including an unwavering commitment to integrity. We reinforce our ability to deliver continuous innovation through our inclusive teamwork and leadership.

Innovation is not only about growth; investing in innovation helps to drive efficiency. With DiSTI's proven track record of success, this, too, is part of our legacy. We have re-imagined the way training looks, integrating teams and simplifying processes, leading to faster, more efficient project deliveries.

We are grateful for the trust of our customers and the continued support of our partners.

John

Transformative Capabilities Built On A Foundation of Success

Our Mission

To be a global leader in providing expertise, processes, and tools for organizations to create captivating user experiences and highly effective virtual training solutions.

Vision

To be the most trusted provider of software and solutions that transform the way organizations train and interact with technology. We will empower our teams to exceed commitments and expectations. We will be the most customer-focused technology company in the world.

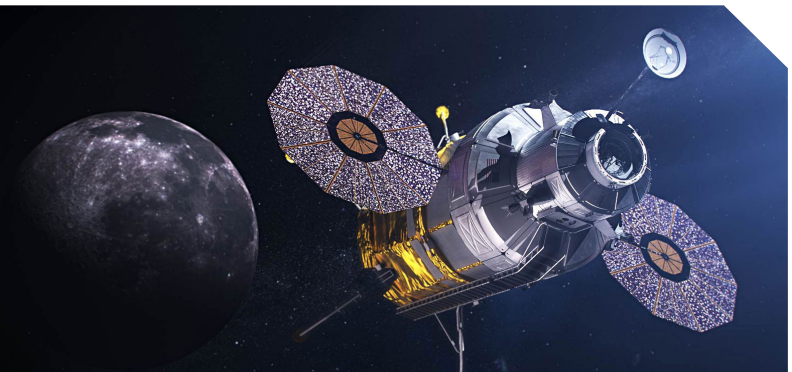
Values

Integrity

We believe that the trust in our brand relies on acting with transparency and integrity in all that we do. We develop projects that we believe in, are committed to quality, and take pride in the work that we do.

Leadership

We know that challenges are opportunities that drive organizational change. We expect a high-level of professionalism that begins with a dedication towards respect throughout our organization.



Innovation

We believe in trailblazing new technology paths while contributing to a brighter world through strategic endeavors, capability development, and meaningful innovation.

Inclusion

We believe that diverse voices enhance our strengths, improve business practices, and inform our thinking. We know that different points of view and varied experience lead to better solutions.

Teamwork

We value and respect the contributions of every person on our team. Customers, suppliers, and partners are a part of that joint collective and we will work collaboratively to achieve common goals.

A True Global Presence

With thousands of projects in over 45 countries, The DiSTI Corporation has a global footprint that continues to expand across the world.

We are resolute in our commitment to be the worldwide leader in virtual training solutions and user interface development.

Our international relationships are an integral part of our future growth strategy and play a vital role in our global expertise and technical capabilities.

GL Studio®

GL Studio

Proven by Our Wide Network of Partners

arm
Bohemia Interactive
Collins Aerospace
CONCURRENT TECHNOLOGIES
COREAVI
DIAMOND VISIONICS
Green Hills SOFTWARE
infineon
intel
MAK TECHNOLOGIES
MathWorks
Mentor Graphics
mercury systems
NVIDIA
NXP
QNX
QUALCOMM
RENESAS
life.augmented
SYSGO EMBEDDING INNOVATIONS
TekChips
Texas Instruments
Toradex Swiss. Embedded. Computing.
WIND
XILINX

HMI & UI Design Software

Gain advantage over your competition

Industry leaders seeking HMI development software tools that will give them a true advantage over their competition rely on The DiSTI Corporation's **GL Studio**®.

Our software makes it possible to upscale the user experience with high-quality design and high performance while simultaneously reducing production costs.

Solution Offerings

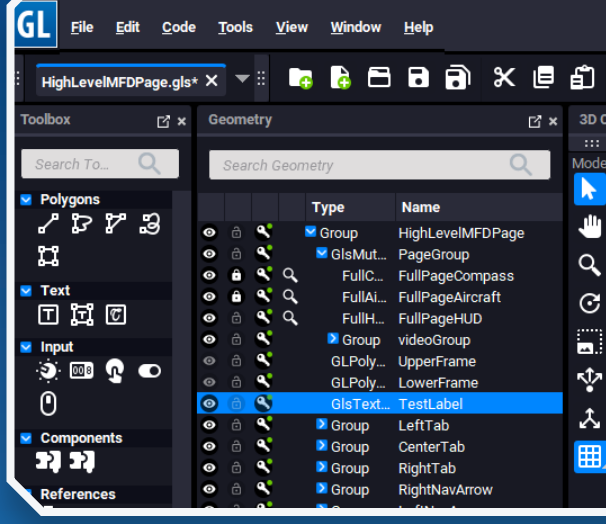
- » Cockpits Instrumentation
- » Instrument Clusters
- » Instructor Operator Stations
- » Heads Up Displays
- » Safety-Critical Avionics
- » Animated Schematics
- » In Vehicle Infotainment
- » Symbology Overlays

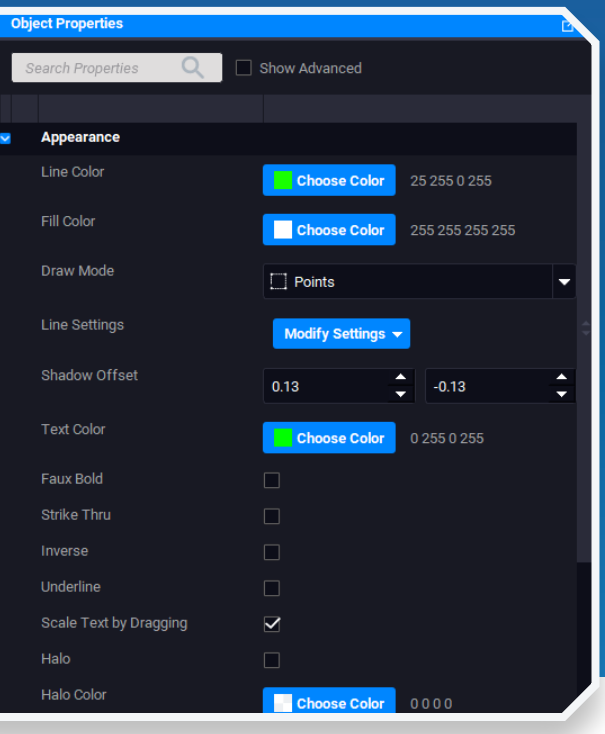
Simplicity

- » OneTouch Deployment ™
- » Drag and Drop Assets w/ Built In Behaviors
- » Instantly preview and test UI
- » Maintain external asset linkage

Flexibility

- » Access to source code
- » Full control of generated code
- » Develop custom behaviors and features
- » Easily interface to third-party software





Productivity

- » Code-free UI Designer workflow
- » Reusable package based system
- » Built-in animation system
- » Work with most any graphics tools
- » Automatic interfaces from Photoshop

Performance

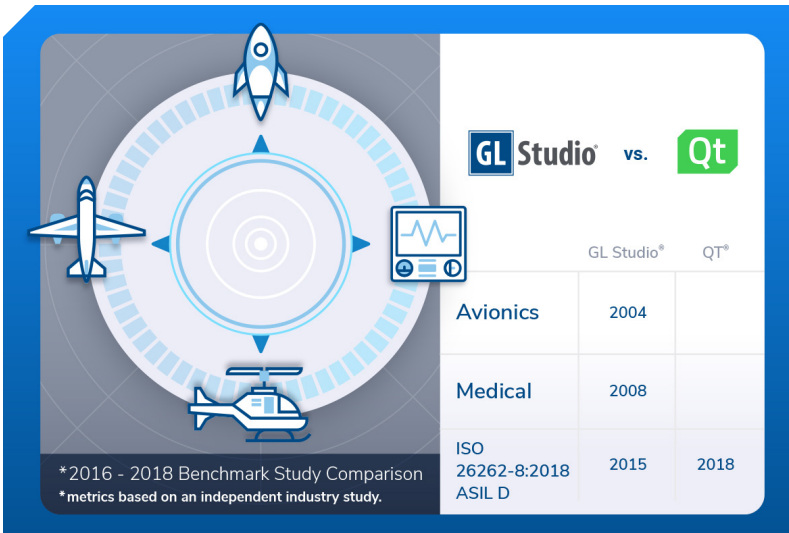
- » Native C++ code
- » Fast application start time
- » Eliminate UI lag
- » Highly efficient and reliable runtime code base

Conceptualize, Develop, and Deploy

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

GL Studio® versus the Competition

- » 80% faster time to market
- » 60% less Central Processing Unit (CPU) utilization
- » 67% faster target deployment time
- » Ten Times better runtime performance
- » 500 milliseconds or less UI startup time
- » First UI tool to achieve ISO 26262-8:2018 ASIL D for safety critical runtime libraries
- » Highest code reliability
- » Lower lifetime program costs.



Safety-Critical Expertise

GL Studio® meets and exceeds the ever-increasing safety requirements

GL Studio® has a built-in Safety-Critical Code Generator for use in Avionics, Aerospace, Agriculture, Medical, and Automotive applications.DiSTI also offers source code for testing, validation, and verification.

GL Studio® Embedded Systems

GL Studio® Safety Critical

Designed for:

Avionics: FAA safety-critical Avionics in Aerospace, Defense and Space

» DO-178C up to DAL A

» Flying in aircraft and spacecraft

Medical: FDA approved for medical devices

» IEC 62304

» Approved and in production for Class II Medical Devices

Automotive: Instrument Clusters and HUDs

» ISO 26262-8:2018 up to ASIL D

Nuclear: Facilities Controls

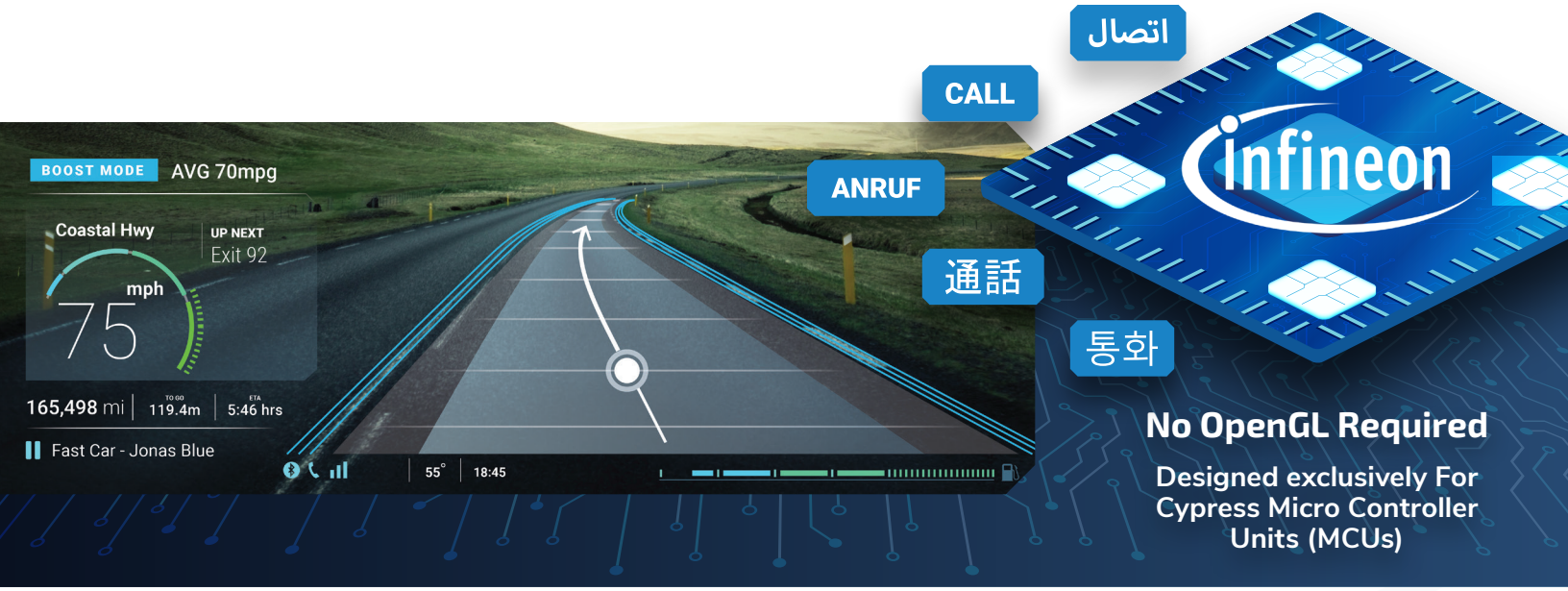
» NQA-1 / IEC 60880

» Nuclear HMI

Safety-Critical Focus

Organizations seeking the highest possible functional safety need to look no further than **GL Studio**®.

With close to 20 years of avionics safety-critical expertise, our software is currently flying in spacecraft and aircraft around the world, used in life critical medical devices and agriculture and automotive displays that demand high reliability. **GL Studio**® also offers the automotive industry's first ISO 26262-8:2018 ASIL D certified safety critical runtime libraries to integrate out-of-the box functional safety features into your UI, sooner than your competitor and at minimal investment costs.



GL Studio® Micro™

Big Things Really Do Come In Small Packages

The robust power, reliability and agility you have come to expect from **GL Studio®** functionality tailored to meet the requirements of smaller embedded MCUs. With **GL Studio®**: Micro™, customers can streamline their power consumption, heat signature and costs without compromising the fidelity you expect from the world's top User Interface development tool.

Designed Exclusively For Micro Controller Units (MCUs)

GL Studio® Micro™ goes beyond what customers have come to think possible from an HMI tool specialized for microcontrollers. **GL Studio®** gives developers the freedom to tailor their designs, even on the smallest scale. That is because we understand the importance of giving customers the very best, while ensuring a safe and reliable foundation.

GL Studio® was the first User Interface (UI) tool to achieve ISO 26262-8:2018 ASIL D for it's safety critical runtime libraries, making its runtime engine one of the only solutions on the market that delivers the entire embedded user interface runtime library source that is certified up to Automotive Safety Integrity Level D; the highest classification of safety criticality defined by the ISO 26262 standard.

Functional Safety at Its Core

The **GL Studio®** Micro™ technology is based on this award-winning Safety-Critical runtime, providing customers with a safe and reliable development foundation, allowing OEM's and Tier 1's to use **GL Studio®** to completely certify their entire display framework.

- **GL Studio®: Micro™ has ligatures support built-in for Arabic, Hindi, and Thai yet still supports all other languages such as Korean, Chinese, Japanese, German, English, and more.**
- **GL Studio®: Micro™ is based on DiSTI's award-winning Safety-Critical runtime**
- **As a C++ code generator and runtime library, GL Studio®: Micro™ provides a smaller footprint compared to the leading competitor tools, while offering more features and capabilities in development.**

GL Studio® Mixed-Criticality™

GL Studio® Mixed-Criticality™ Workflow

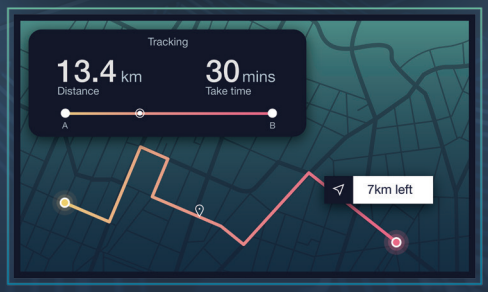
Develop QM and ASIL content in the same GL Studio Design

The DiSTI Corporation's **GL Studio** Mixed-Criticality™ Workflow facilitates both Safe and Non-Safe User Interface content in the same design file with a unified development workflow process.

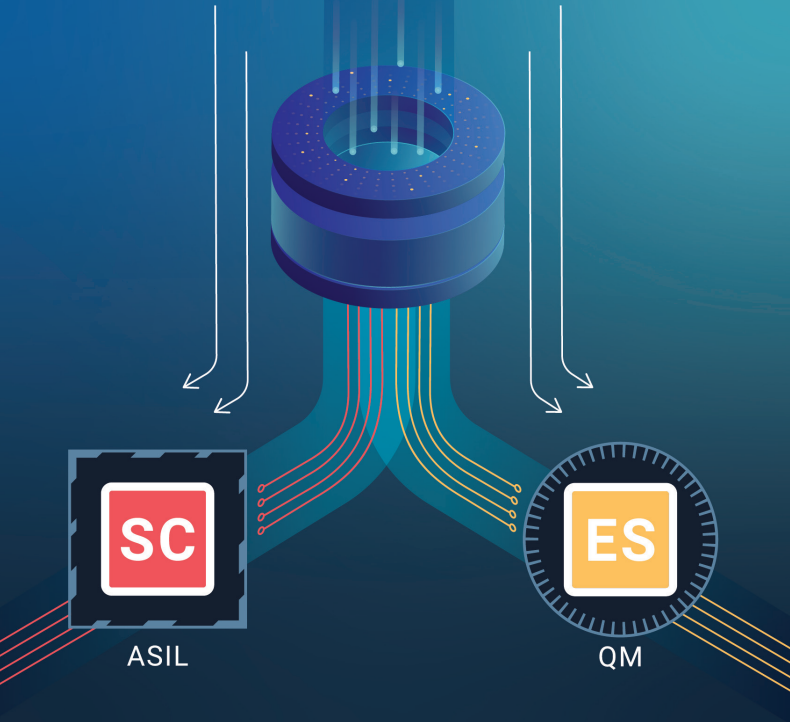
Key Features and Benefits:

Both GL Studio Safety-Critical (ASIL) and Embedded Systems (QM) content in the same design.

OneTouch Deployment™ for single button rapid generation, compilation, content transfer, and application launch.



Visualize User Interface content on hardware target without the need for complex programming.



Benchmark Studies

Software	Dev time	FPS
GL Studio	10 Hrs	278 Hz
QT	2 Wks	50 Hz

*metrics based on independent industry studies

Features

- Faster iteration time
- Prototype directly on the hardware target
- Automated partition of SC and ES content
- Convenient, automated OneTouch Deployment™
- Workflow source code available for customization throughout project lifecycle

10x Runtime Performance

*metrics based on independent industry studies

Benefits

- 80% faster time to market
- 67% faster target deployment time
- 60% less CPU utilization
- Ten times better runtime performance
- Lower lifetime program costs

One UI Design, Two Approaches

As a C++ code generator and runtime library, the **GL Studio** HMI/UI software development tool provides for both Safety-Critical (SC) and Embedded Systems (ES) content in the same design. This is made possible by our Mixed-Criticality™ Workflow.

At code generation time, when **GL Studio** encounters ASIL content, it uses the SC code generator and runtime library for that code. In the next step, **GL Studio** checks for all non-ASIL content and uses the ES code generator and runtime library for that content. All of this content is then transferred to the hardware target and composited together at runtime.

60 Seconds or Less - Iteration on Target

This process uses **GL Studio**'s OneTouch Deployment™ to handle the generation, content transfer, and application launch that takes less than 60 seconds to iterate. This feature allows for a very rapid iteration cycle. It lets UI design teams visualize their content on the hardware target without the need for complex programming and gives a common platform for implementation engineers to work seamlessly with UI designers.

Why Engineers Prefer GL Studio

Independent industry studies have proven that the **GL Studio** development workflow yields up to 80% faster development time. **GL Studio**'s C++ code generation and runtime library method of development boasts up to 10x runtime performance and 60% less central processing unit (CPU) utilization. **GL Studio** application sizes out of the box are already highly optimized, showing just 10% of the application footprint compared to the leading competitor tools.

GL Studio®

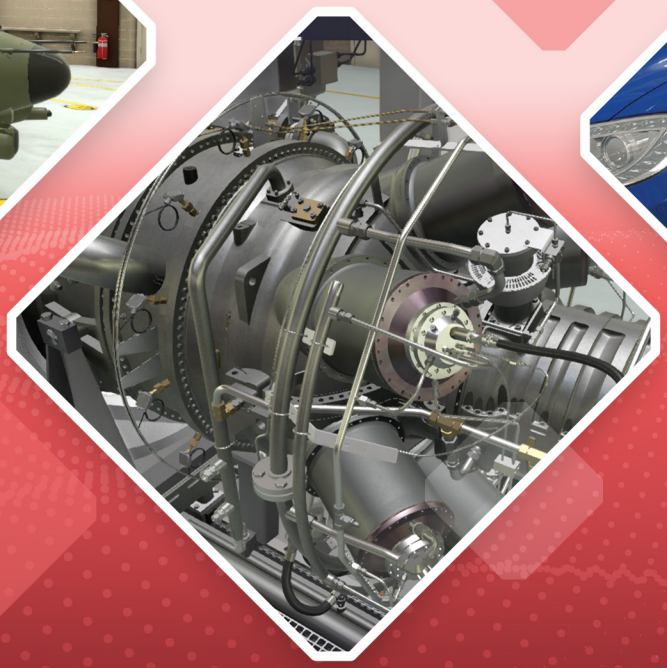
Supported Platforms Table

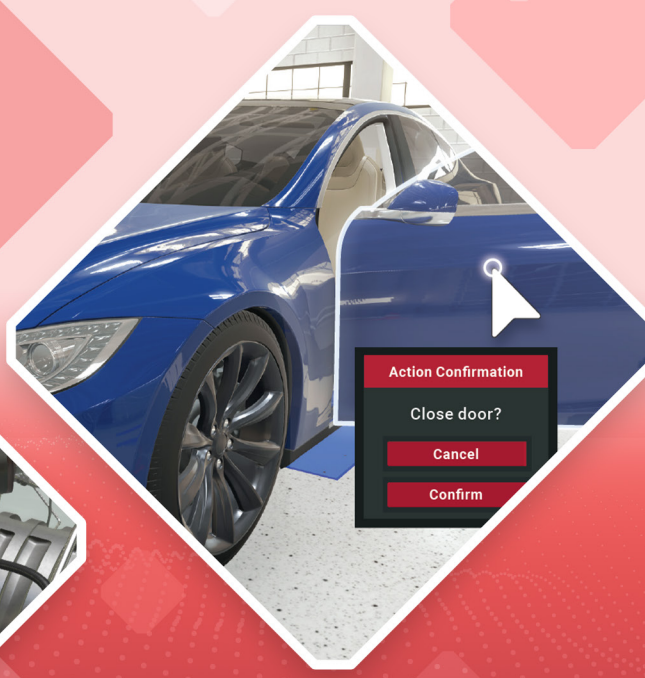
Partial list of the hardware and operating system combinations supported by **GL Studio**. If you do not see the combination you need for your project, please contact us for porting information.

AS OF 12-MAR-2020

	AGL Linux	Android	Angstrom Linux	Bare Metal (No OS)	eSOL eT-Kernel	GHS INTEGRITY	Intel Linux	iOS	Linux	Kendrick Canyon Linux	Peta Linux	QNX	Raspbian Linux	Wind VxWorks	YOCTO Linux
Android Devices		●													
Apple Devices								●							
Fujitsu Coral						●			●						
Fujitsu Triton					●										●
Intel Apollo Lake MRB						●	●					●			●
Intel Atom E3845														●	●
Intel Gordon Ridge							●								
Infineon Traveo II				●											
Intel Bay Trail										●					
Intel VTC 1010									●			●			
NXP i.MX6 Solo															●
NXP i.MX6 Dual						●								●	●
NXP i.MX6 Quad						●						●		●	●
NXP i.MX8 QuadMax						●						●			●
NXP i.MX8 QuadMax MEK						●						●			●
NXP i.MX8 QuadPlus						●						●			●
Qualcomm 802A	●					●						●			
Qualcomm Snapdragon	●								●						
Raspberry Pi2													●		
Raspberry Pi3													●		
Renesas R-Car M2						●						●			●
Renesas R-Car H2						●						●			●
Renesas R-Car M3						●								●	●
Renesas R-Car M3 SK														●	●
Renesas R-Car H3	●					●									●
Renesas R-Car H3 SK															●
ST Micro Accordo 5															●
Telechips TCC8022															●
Telechips TCC8971															●
Telechips TCC803x Dolphin+															●
Texas Instruments Jacinto J6												●			●
Toradex NVIDIA Tegra			●												●
Toradex i.MX6			●												●
XILINX Z702											●				
XILINX ZCU102											●				

VE Studio®





VE Studio

Proven by Our Wide Network of Partners

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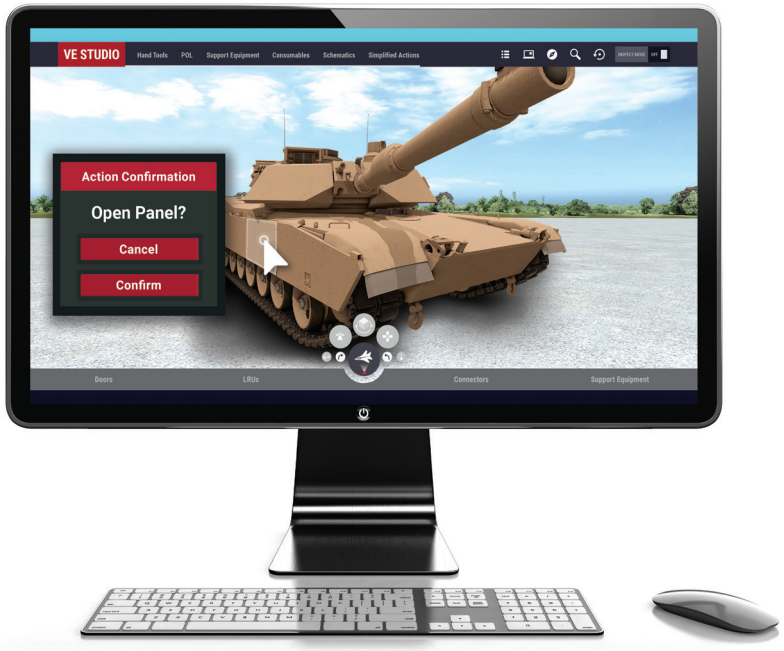
AGUERIS
Booz | Allen | Hamilton
charles river analytics
D2 TEAM-Sim
exozet
GENERAL DYNAMICS
L3 communications
leidos
LEONARDO
LOCKHEED MARTIN
STARK LEARNING
Technical Training Professionals TTP

VE Studio®

The Best Virtual Maintenance Training Development Platform

VE Studio® is the world's most proven development platform for creating 3D virtual training solutions.

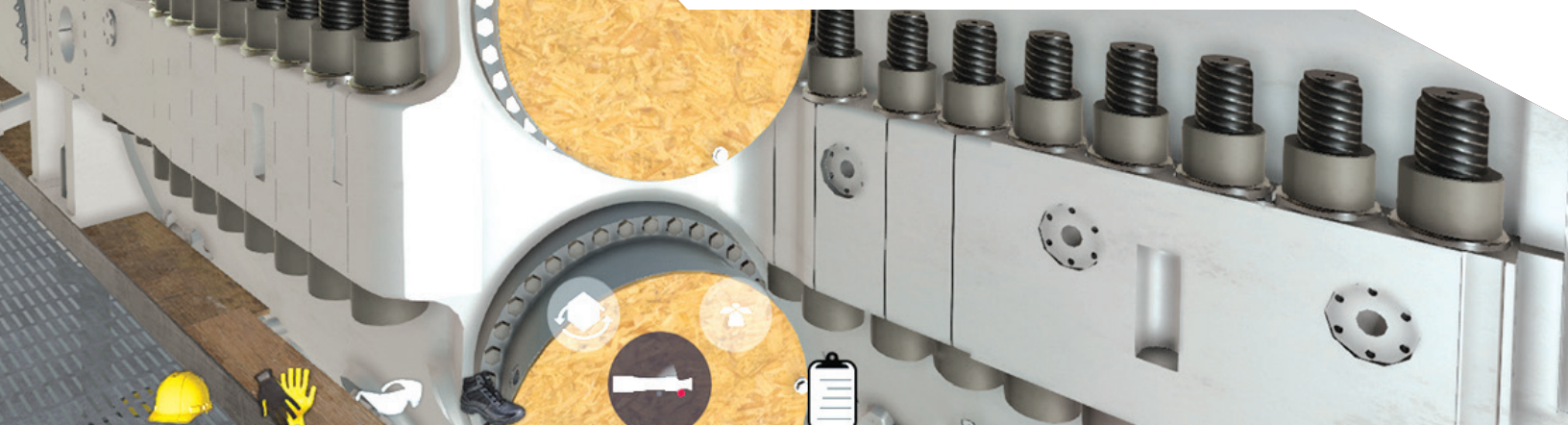
Create complex and immersive commercial and military training applications with the ability to deploy to a multitude of devices. **VE Studio®'s** features enabling you to rapidly prototype and scale your training across an enterprise quickly and cost-effectively.



Develop Training Solutions for Any Device

With **VE Studio®** software, you can take advantage of the latest developments in augmented reality, virtual reality, desktop, mobile, and cloud technologies.

- **Virtual maintenance training**
- **Virtual operations training**
- **Field service mobile refresher**
- **Equipment familiarization training**
- **Guided field services augmentation**
- **Safety training**

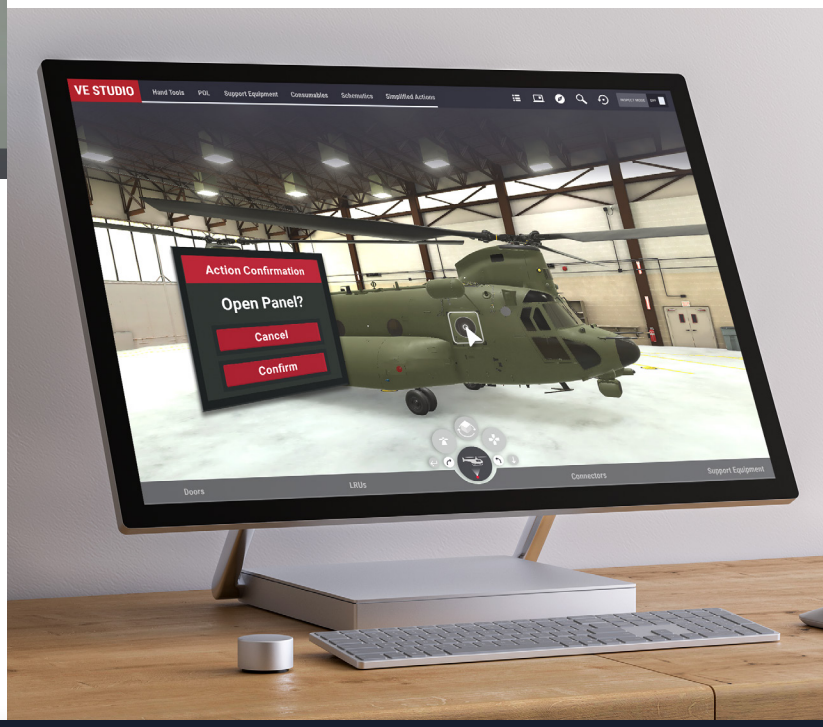


From Prototyping to Full-Scale Solutions

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. **VE Studio**® is robust enough to handle the simplest part task trainers and the most complex equipment such as aircraft and weapons systems.

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
- » Integrated Unity production process

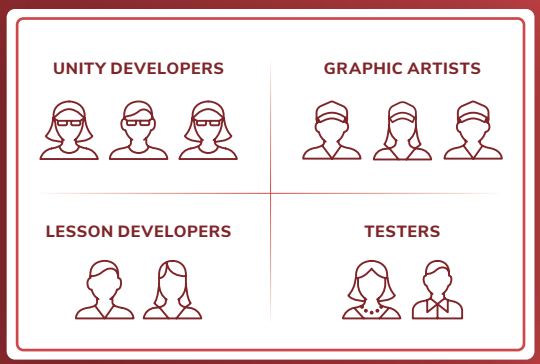


Comparing two development teams working on the same project

Team A

With VE Studio

The development team can be small and lean, achieving just as much as any other team.



Team B

Without VE Studio

This development team requires more people to achieve the same tasks, costing more in the long run.

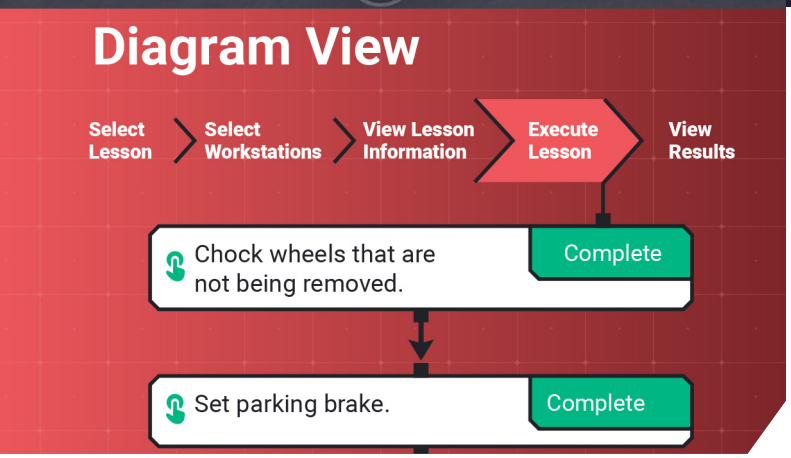
Additional Functionality and Modules

- » Optimized CAD conversion recipes
- » Simulation engine framework
- » Procedure monitoring/ lesson engine
- » Instructor Operator Station application
- » Student station training application
- » Intelligent tutoring

The Future of Training

VE Studio® pioneered and leads the training industry in virtual maintenance training programs because of its proven database architecture, development processes, and productivity tools, available to customers right out of the box.

VE Studio® combines development workflow best practices with innovative tools and components that make building complex virtual training applications, easier, faster, and less expensive.



Design the Training

Requirements Analyzer

- » Read, analyze, and import written procedures directly into the Fidelity Matrix, saving hours to months of manual recreation.
- » Machine Learning – build a database of known word-object pairs on the fly and let the Requirements Analyzer automatically mark up new procedures.
- » Source data modifications propagate through the entire system with confidence that each responsible entity receives and reacts to the modified data.

Manage Content

Fidelity Matrix & Editor

- » A relational database to connect models to behaviors, procedures to lesson, and any other data shared among the system.
- » Easy-to-use database editor simplifies content management and edition with a full API. Third-party applications can also write and read directly to the database.

Content Wizards

- » Create and maintain traceable history from the content presented to the student back to the source data.
- » Simplify project creation and adding content to the system in the early stages of development through content wizards. Get up and running with a prototype in thirty minutes.

Physical Constraints

- » Describe physical interactions between 3D objects to define dependencies and group interactions without having to write code.

Build the Virtual Model

Model Import Wizards

» Use built-in model import wizards or directly import .FBX models into Unity.

Content Processing

» Automatically connect 3D models with their database associated behavior. Any changes in the source art files or database will be automatically detected and propagated through the system to ensure the graphical representation remains up-to-date.

Author & Manage Lessons

Instructor-Operator Stations (IOS)

» A comprehensive Instructor-Operator Station (IOS) application controls the lesson creation and assignment, real-time monitoring, student interaction, and after-action debriefing of the students in the classroom.

Instructor Dashboard

» Assign lessons, manage class data, monitor student progress, mirror student screens, or even take over via remote control. Create after-action reviews of recorded assessments to help students improve.

Student Station

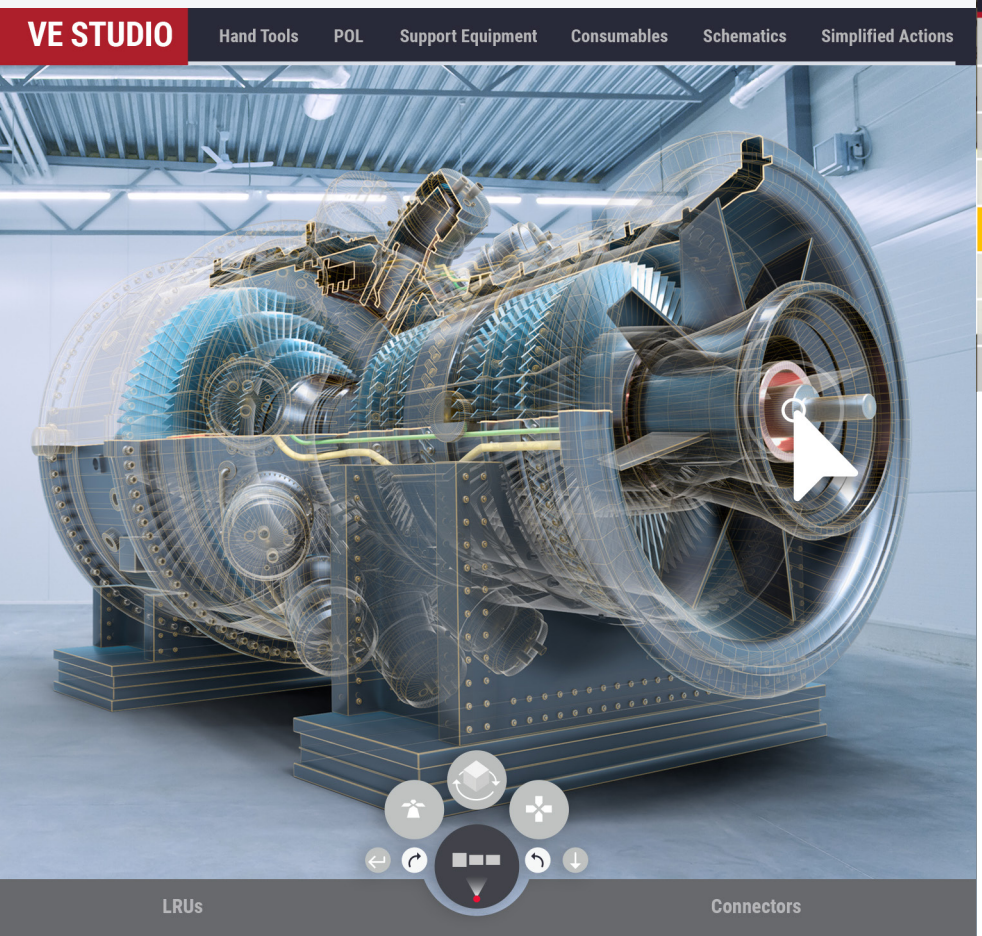
» Watch auto-plays, practice, or receive individual or group assignments from instructors. Track lesson progress with immediate feedback to inform students of mistakes.

Lesson Authoring

» SMEs and instructors use drag-and-drop editing to create lesson scenarios or modify the lessons auto-generated from procedures marked-up in the Requirements Analyzer.

Live Lesson Recording

» SMEs and instructors can create auto-plays, tutorial, practice, and assignment lessons simultaneously by performing and recording actions directly in the virtual environment.



Step #	Description
1	Perform 'Acknowledge Message'
1.1	↳Acknowledge Message
2	Perform 'Acknowledge Message'
2.1	↳Acknowledge Message
3	Move the rear roll-off track axially to the location for fit
4	Adjust the front and rear roll-out skates to take the weig
5	Install the roll-off bridge tracks with support stools.
6	Install the roll-off trolley on the left side of the enclosu

Construct Simulations

Simulation Engine

» Create custom-defined simulations that bring the virtual training environment to life. The Simulation Engine can drive object states, animations, and audio to create dynamic schematics and faults that immerse the user in the virtual experience.

Reinforce Skills

After-Action Review

» Instructors can review a student's assessment by viewing their statistics and recording their performance at each step in the procedure.

Intelligent Tutor

» Leverage AI to observe and dynamically alter training branches based on a student's performance using third-party Intelligent Tutor plug-ins to modify the pace, lessons, and degree of task difficulty based on the student's interaction with the course ware.

SCORM and xAPI Compliance

» Record student progress into a corporate LMS. Easily modified API sets offer compliance integration for recording student process into an enterprise LMS.

Publish the APP and Deploy

Message Manager

» Communicate with all VE Studio runtime applications to keep individual and classroom systems in sync. Third-party tools can also hook into the networking system via a robust API.

Manage Variants

» Manage the development and deploying variants within the same project and database, reusing as much as possible within a project.

One-Button VR Deployment

» Create desktop and Virtual Reality solutions simultaneously, reusing the same lesson and 3D content. Switch from one to the other during development through a simple dropdown.

Localization

» Deliver training solutions worldwide in native languages from a singular deployment.

Lesson
Replace DIP

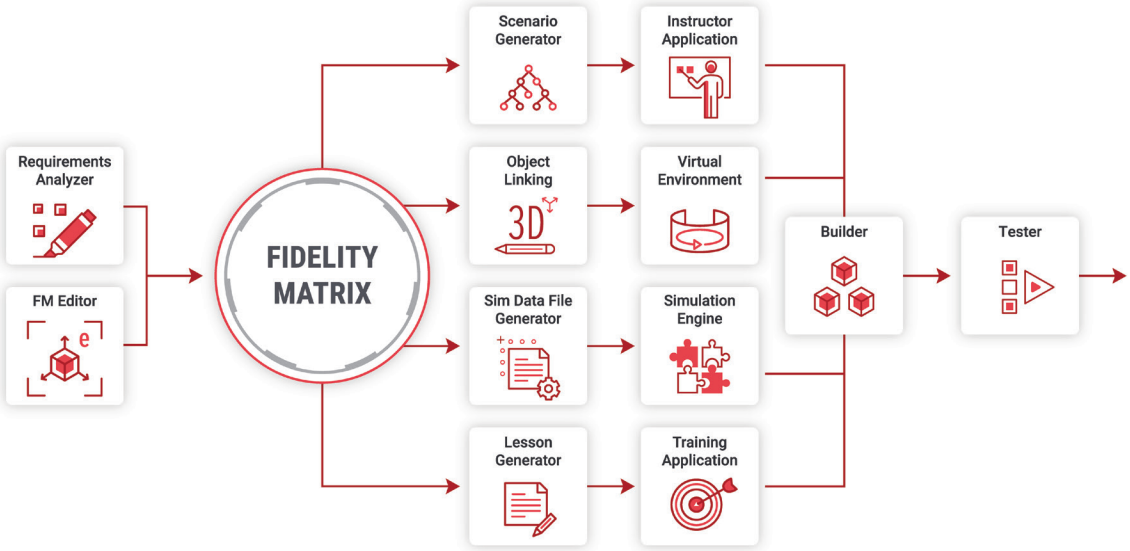
Diagram View

#	Description
6.14	Look at ELECTRICAL SYSTEM voltmeter gauge:
6.14.1	Needle should show 23 to 29 volts (in the green band).
6.15	Check that CABLE DISCONNECTED light is not lit.
6.16	Check that CIRCUIT BREAKER OPEN light is not lit.
6.17	Check fuel level:
6.17.1	Added action: 'Panel Lights Test Pushbutton' set to'1'
6.17.1	Added action: 'Panel Lights Test Pushbutton' set to'False'
6.17.1	Push in and set TANK SELECTOR switch to RIGHT FRONT.
6.17.2	Read amount of fuel in right front tank on gauge.
6.17.3	Push in and set TANK SELECTOR switch to LEFT FRONT.
6.17.4	Read amount of fuel in left front tank on gauge.
6.17.5	Push in and set TANK SELECTOR switch to REAR.
6.17.6	Read amount of fuel in rear tank on gauge.
6.18	Check hydraulic pressure gauge for bleed-off.

Fidelity Matrix™

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.

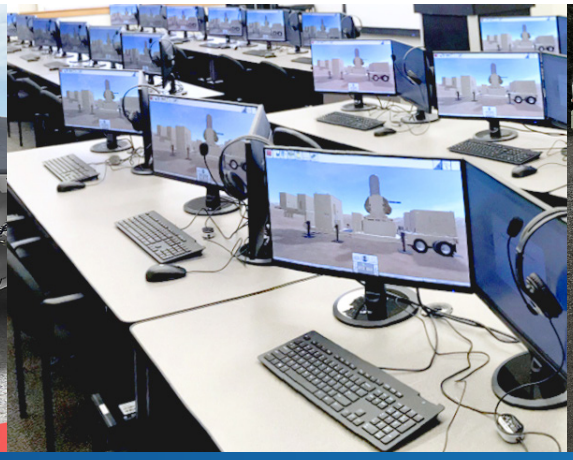
The automated environment build and regression testing tools draw from the Fidelity Matrix™ to construct and check the final environment.



DiSTI Professional Solutions

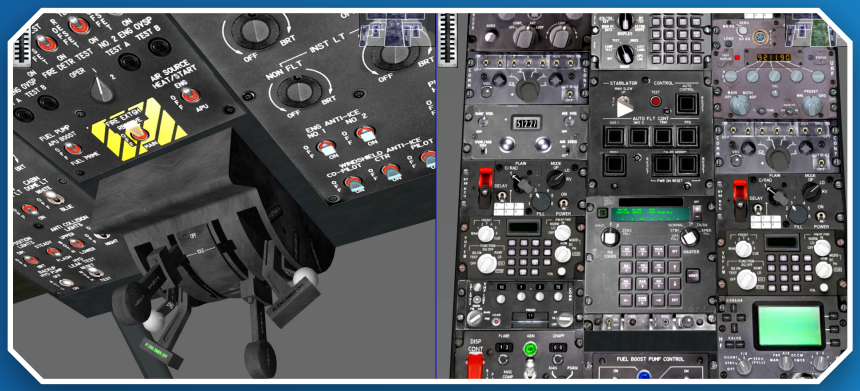
Virtual Training Solutions using VE Studio

- » Virtual Maintenance Trainers
- » Equipment Familiarization Training
- » Safety Training
- » Operator Training
- » Guided Field Service Augmentation
- » Technical Sales Training
- » Field Services Mobile Refresher



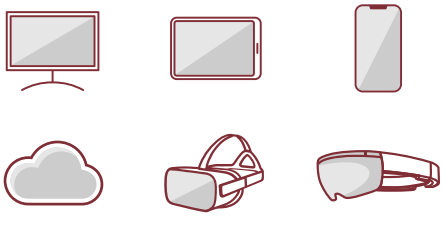
HMI Development Services using GL Studio

- » Rapid Prototyping
- » Simulation & Training
- » Real embedded target devices



Publishing Flexibility

- » Classroom-Desktop
- » Mobile Devices
- » VR Devices
- » Tablet Devices
- » Cloud Delivery
- » AR Devices



Professional Solutions

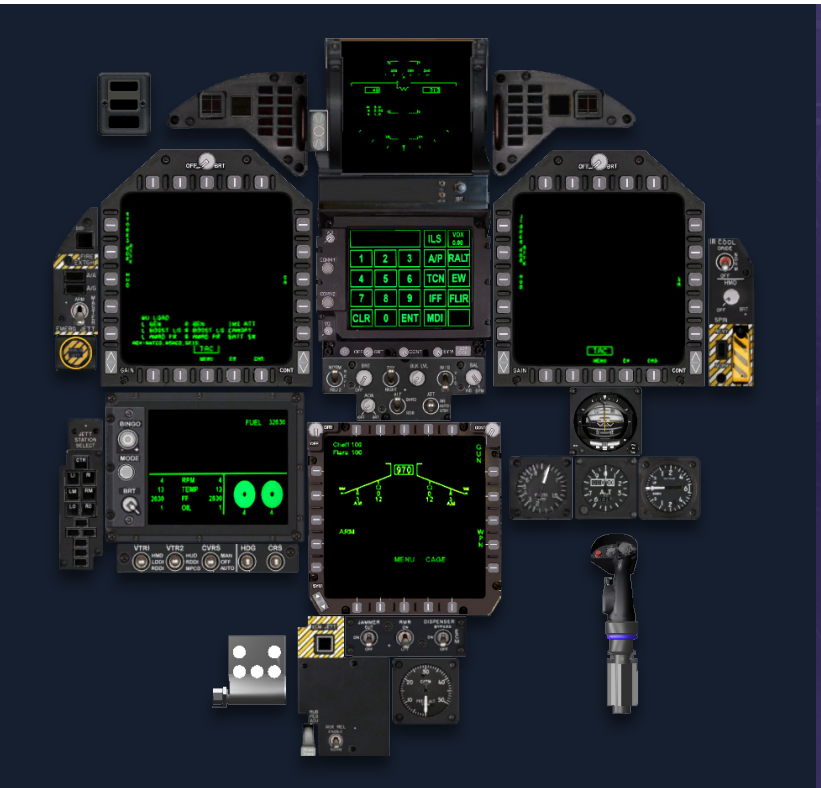
By Markets

Simulation & Training:

- » Instructor Stations
- » Repeater Panels
- » Computer-based training / IETEMs
- » Full Motion Training Simulator digital panels
- » Cockpit Development
- » Simulated Avionics Development

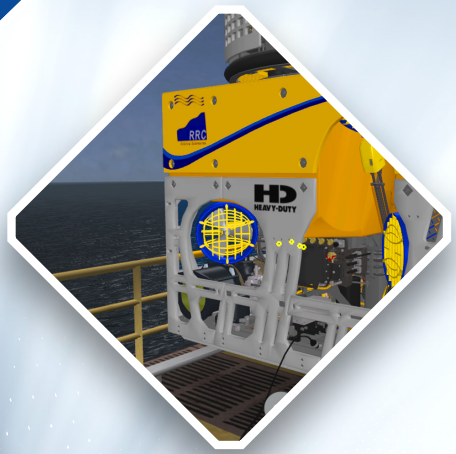
Embedded Systems (Automotive, Rail, Agriculture, Medical, A&D Safety Critical)

- » Rapid Prototyping
- » Embedded instrument clusters, HUDs and IVI
- » Medical device controls
- » Nuclear Facilities
- » Runtime library porting
- » System software architecture



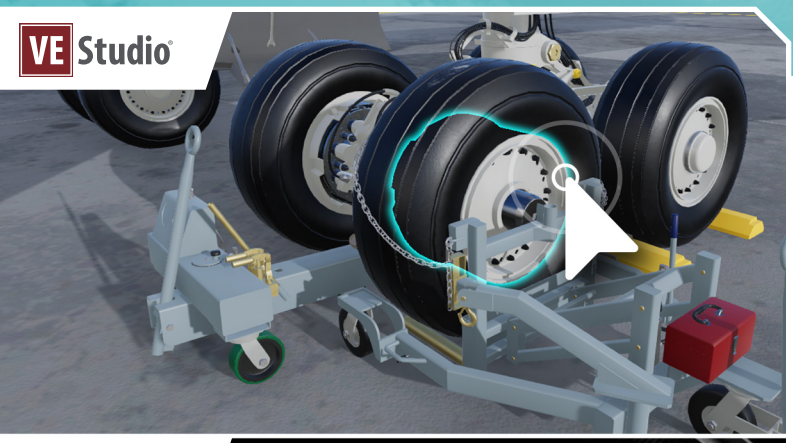
DiSTI®

Active Industries



Aviation

DiSTI provides quality experiences for training and virtual instrumentation



DiSTI is a trusted solutions provider for companies specializing in Aviation. Our lines of services for both military and commercial customers help clients improve the effectiveness of skills transfer, increase knowledge retention, and provide experiential training in real-time, data-driven applications.

Our **VE Studio**®, virtual maintenance training development platform promotes higher engagement through interaction, while our **GL Studio**® HMI software development tools allows for the rapid prototyping of complex avionics displays for seamless interaction in to training simulators and production aircraft.

- **Full Mission Displays**
- **Flight Simulators**
- **Part Task Trainers**
- **Aircraft Instrumentation Prototyping**
- **Aircraft Instrumentation Avionics**
- **Moving Map Simulators**
- **2D and 3D Virtual Cockpits**
- **Virtual Instrumentation**

Highest Quality Avionics, Instrumentation and Controls

Those seeking Safety-Critical development in Avionic need 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.

GL Studio® enables the real-time creation of interactive 2D and 3D geometry through a WYSIWYG environment, alleviating the need to write cumbersome low-level graphical code. Geometry creation is performed using intuitive tools for:

- **Drawing**
- **Ordering**
- **Grouping**
- **Texturing**

Virtual Instrumentation

Create virtual instrumentation to meet your design specifications and application objectives. Facilitates a variety of simulation and training devices, including:

- **Rapid virtual prototypes**
- **Repeater panels**
- **Embedded displays**
- **Instructor training aids**
- **Instructor operator stations**
- **Desktop, part-task, and full mission trainers**

Scene Graph Integration

Build cockpit and instrumentation content once and integrate into any number of OpenGL or DirectX scene graphs, including:

- » Unity
- » Unreal
- » Lockheed Martin Prepar3D
- » MAK VR-Vantage / VE-Engage
- » Presagis Vega Prime
- » Rockwell Collins EP
- » OpenSceneGraph
- » Genesis RT/RTX
- » Bohemia Interactive Simulations

Simulated Cockpits and Embedded Safety-Critical Avionics

Replicate cockpit instrumentation and MFDs at a fraction of the cost of procuring actual flight hardware for instrumentation full motion trainers, flight training devices and reconfigurable cockpit trainers.

Symbology and HUDs

Create heads-up-displays and other complex symbology that seamlessly integrate with third-party scene graphs and overlay on the scene.

Park Task Trainers

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

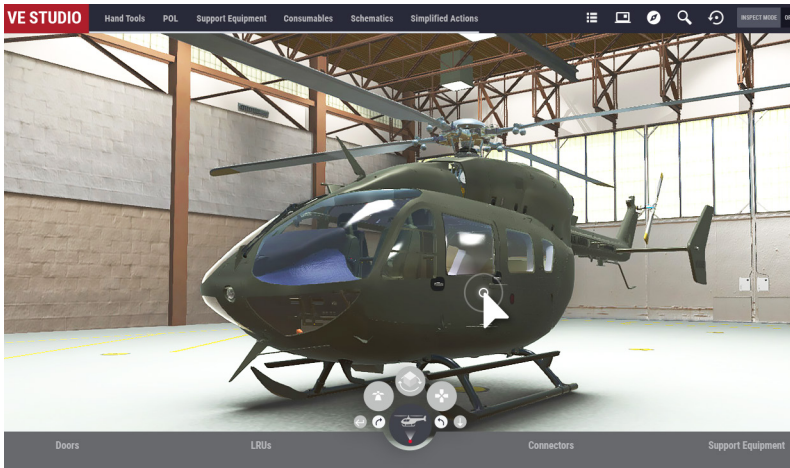
Instructor Operator Stations (IOS)

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

Virtual Maintenance Training

The DiSTI Corporation has been prime, or subcontractor to some of the largest global aviation programs. Including the following:

- » F-35
- » F-15
- » T-45C
- » UH-72
- » CH-47
- » PC-12
- » F-18
- » P-8A
- » Bell 412
- » F-16
- » MQ-1C
- » P-3



Automotive

Future-Proof the User Interface

The world's leading automotive manufacturers and OEMS rely on DiSTI to future-proof their User Interfaces and improve their training through DiSTI's virtual solutions. DiSTI products are currently powering millions of cars on the road today and helping to train technicians and dealers around the world.

Automotive manufacturers depend on **GL Studio®'s** award-winning automotive UI development software. **GL Studio®'s** unmatched performance, rapid support, and ability to produce feature-rich high-quality 3D embedded user interfaces fire the imagination of designers and excite engineers.

Virtual Training on a Global Scale

Virtual Reality Training and Development for Automotive is possible with DiSTI's **VE Studio®**. Our technology allows companies to train technicians on a scale like never before. Without the need for a physical model, virtual reality is an ongoing training tool that provides opportunities to learn new skills and to improve the maintenance and diagnostic process.

HMI Development Tool

GL Studio® produces the highest quality gauges and controls within the automotive industry through one convenient platform. **GL Studio®** allows designers and engineers to create cutting-edge digital clusters, HUDs and IVI solutions with an:

- **80% faster time to market**
- **60% less Central Processing Unit (CPU) utilization**
- **67% faster target deployment time**
- **500 milliseconds or less UI startup time**
- **First UI tool to achieve ISO 26262-8:2018 ASIL D**

Industry Applications

- **Instrument Clusters**
- **Driver Information Modules (DIM)**
- **In-Vehicle Infotainment (IVI)**
- **Heads Up Displays (HUD)**
- **Augmented Reality HUDs**
- **Rear Seat Entertainment (RSE)**
- **Highest Quality and Performance Gauges and Controls**

The Safety-Critical Automotive Difference

Automotive manufacturers leverage **GL Studio®** for the automotive industry's first ISO 26262-8:2018 certified safety critical runtime libraries, to integrate out-of-the-box functional safety features in their UI at a minimal investment cost.

Defense

Improve skills transfer and knowledge retention

VE Studio

From flight simulators to virtual maintenance training, DiSTI's tenure serving the DoD industry spans 25 years. We have been prime, or subcontractor, to some of the largest global programs for vehicle, airframe maintainer and operator trainers.

Our diverse portfolio includes the U.S. Army, U.S. Air Force, U.S. Navy, Air National Guard, along with a global array of organizations and agencies whose operations are trusted to DiSTI solutions and services.

A Complete End-To-End Solution for Virtual Trainer Development

When training is mission-critical DiSTI's virtual training is the solution to reduce costs and increase operational efficiency. **VE Studio**® is the global authority used by Defense companies to build scalable training applications to increase trainees' efficiency.

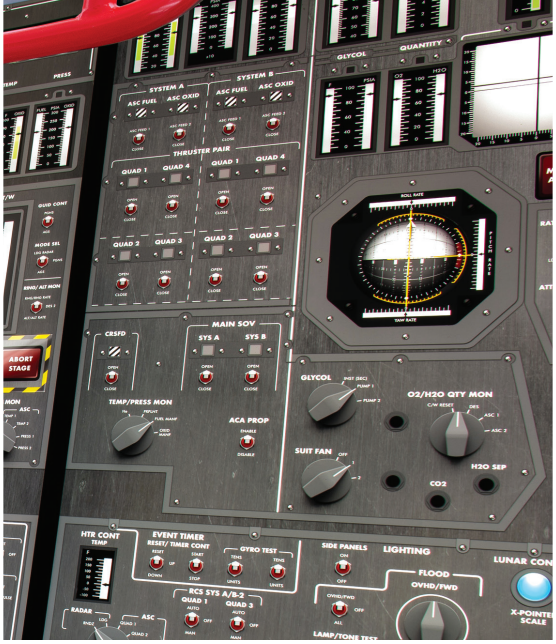
VE Studio® extends the capabilities of Unity to deliver a set of productivity tools to create, implement and monitor interactive training scenarios.

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

Complex, Scalable Solutions to Maintain Readiness

Our line of services for military customers help clients improve the effectiveness of skills transfer, increase knowledge retention, and provide experiential training in real-time, data-driven applications.

DiSTI professional solutions in the realm of virtual reality help promote higher engagement through interaction. Our software development platform solutions allow for the rapid prototyping of complex avionics displays for seamless integration into training simulators and production vehicles and aircraft.



GL Studio®

HMI Software, Simulation Capabilities, and Safety Critical Aircraft Embedded Avionics

- Full Mission Displays
- UAV Ground Control Stations
- Flight Simulators
- Part Task Trainers
- Maritime Bridge Simulators
- Instructor Operator Stations
- Moving Map Simulators
- Virtual Maintenance Training
- Aircraft Instrumentation Prototyping
- Virtual Instrumentation
- Ground Vehicle Controls & Simulators
- 2D and 3D Virtual Cockpits

Warfighter Readiness

DiSTI solutions promote optional performance by developing revolutionary approaches to training. Be it land, sea, or air our programs are not only preferred by the trainer but enhance the efficacy of the trainee.

GL Studio® HMI Design Software

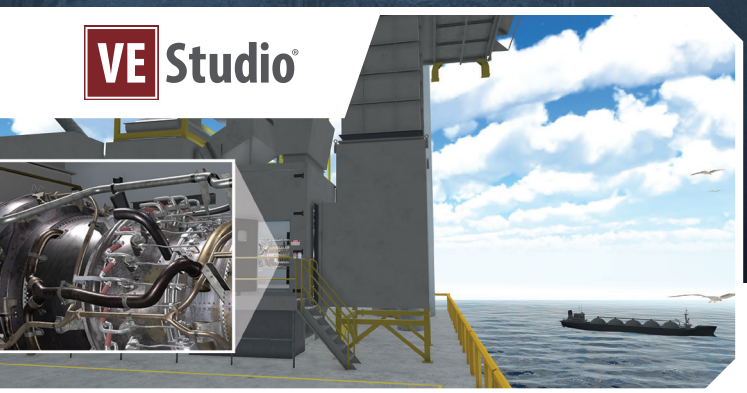
HMI for production Avionics, Simulation, and Training.

VE Studio® Virtual Maintenance Training

Maximize training and scale growth while reducing costs.

Industrial

Forward-thinking software for the commercial market



DiSTI provides transformative professional solutions for the commercial market through forward-thinking software development solutions designed to empower business processes through innovation. Our platforms go beyond immersive solutions and provide companies with a clear path from prototyping to deployment.

Areas of specialization:

- Agriculture
- Oil & Gas
- Manufacturing
- Industrial Planning
- Facility Management
- Services Training
- Safety Procedural Compliance

Virtual environments provide a cost-savings solution. One that allows employees to receive hands-on training without the expensive down time and disruptions that come from traditional methods.

End-To-End Industrial Solutions

The experienced DiSTI professional solutions team can develop custom training solutions to fit any need. Industry leaders such as Technical Training Partners and Schlumberger, rely on DiSTI to create training and field services solutions for their employees and customers around the globe.

- Increase safety in the plant
- Reduce downtime and maximize efficiency of plant maintenance
- Provide a training system more efficient than traditional methods
- Save money and optimize downtimes

DiSTI technology offers unprecedented value by enabling non-developers to create complex training applications that include vital components such as lesson authoring, instructor operator stations (IOS) for managing student stations, and seamless integration for simulation engines and intelligent tutoring systems competing solutions leave out.

Training, Operations, and Field Services

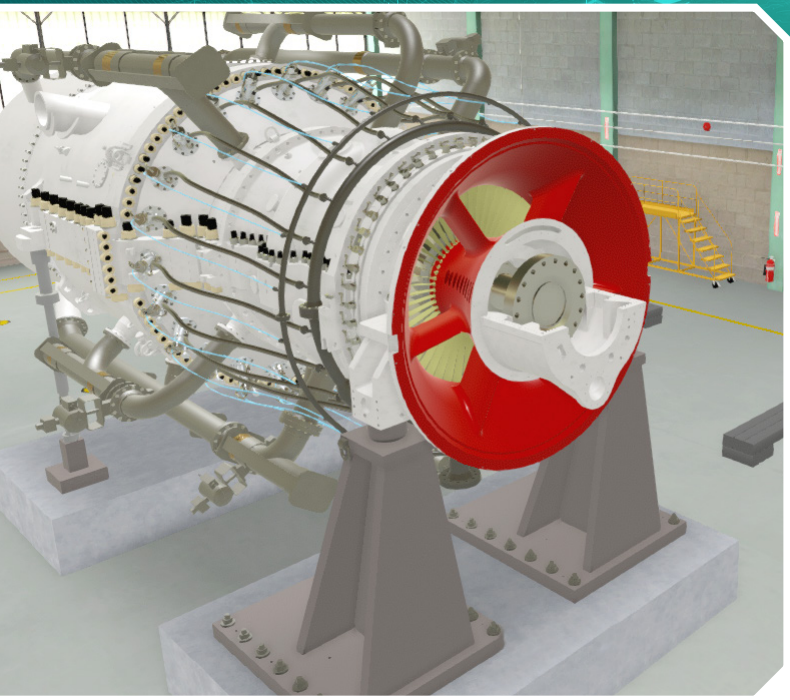
- Virtual Maintenance Training
- Virtual Operations Training
- Field Services Mobile Refresher
- Equipment Familiarization Training
- Guided Field Service Augmentation
- Safety Training

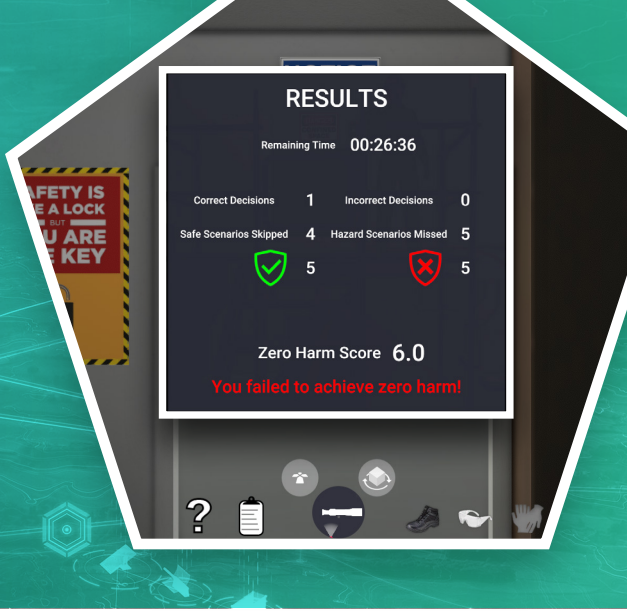
Maximize Productivity and Minimize Costs

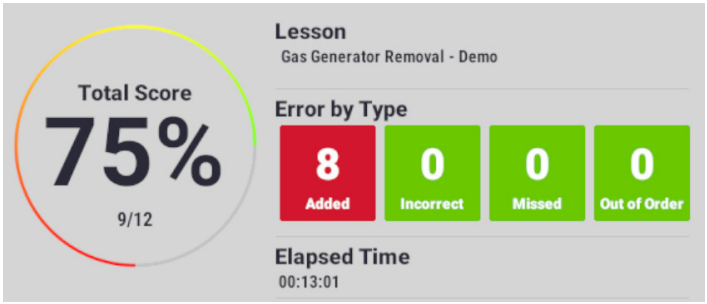
DiSTI is proud to be leading the next generation of sustainable, adaptive workplaces in manufacturing processes through virtual training development solutions and enhanced user interface development platforms.

Power & Energy

Simplifying training for instructors and students







Virtual and Augmented Reality technologies are transforming the way companies want to train and equip their workforce. DiSTI provides companies the tools and solutions to leverage their investments in their content and reduce the cost of developing and supporting virtual training solutions.

DiSTI is revolutionizing the process of sharing content such as CAD and work in process procedures with our virtual training development platform, **VE Studio**®.

Transformative Solutions for Virtual Maintenance Training

From rapid prototyping through large-scale enterprise deployment, DiSTI offers complete solutions that enable organizations to create training applications quickly and cost-effectively.

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

Streamlining Project Workflow

VE Studio® simplifies complex, lengthy training with easy to use grade management portals for instructors and interactive, engaging lessons for students. Perfect for:

- **Maintenance Training**
- **Employee Training**
- **Brushing Up Technical Skills**
- **Muscle-memory Training**
- **Simulating High-risk Situations**
- **Lower Project Costs and Streamline Time-To-Market**

DiSTI training deliverables are the most immersive and engaging solutions on the market. Our focus is on innovation in training, and offering innovative solutions for employee and customer training, all while improving project ROI.

Our UI software and virtual training solutions aid developers and designers alike with the pressures of workflow efficiency without compromising in quality, value, flexibility, or performance. We partner with clients to meet demanding delivery deadlines, budget constraints, and stringent application requirements, all while providing them options for customization that are specific to their business.

Medical

Safety-Critical software is at the heart of what we do

DiSTI has a far-reaching presence in the healthcare sector. Our work is not only about lowering the cost of training and enhancing delivery, but improving health outcomes.

We know that when medical professionals are better equipped, and that equipment is reliable, patients receive the best treatment possible.

Software That Saves Lives

Sophisticated, safety-critical software is at the heart of what we do. DiSTI's **GL Studio**® software is used in the medical industry to create products doctors and nurses can depend on. Although many stages exist between concept and delivery, including testing and regulatory approval, **GL Studio**® can help your project result in a device better able to maintain patient safety.

Virtual Training for Healthcare

Virtual reality has many uses in medicine, and it is revolutionizing the education and training of medical professionals across the globe. For instance, a state-of-the-art MRI machine can easily cost over $3 million, and housing these devices costs even more. These machines must operate in a magnetically sterile environment, with safety features built-in to protect people and property from the powerful field generated by the machine. This can make training technicians and doctors a costly undertaking.

DiSTI's **VE Studio**® software and professional solutions make it possible to create 1:1 virtual twins of these and many other complicated machines so that downtime is not an issue. This approach not only saves dramatically on training costs, but it allows for remote instruction on a global scale.

Space

DiSTI Supports the continued exploration of space

For thousands of years, humans have been looking up to the sky and dreaming of what lies beyond. DiSTI is proud to support the continued exploration of space through human spaceflight missions and private sector space endeavors.

The stringent requirements of space necessitate solutions and training that leave no room for error. DiSTI is very excited to have **GL Studio**® currently employed in dozens different space related production programs.

Simulation and Training

The complex process of preparing for space missions is more straightforward with **GL Studio**®. As the world's leading provider of HMI development solutions, **GL Studio**® is utilized for a wide array of simulation and training programs for space. From true-to-life 3D simulations of landing a spacecraft on the moon to prototype cockpit displays, **GL Studio**® is what the experts trust to build the skills necessary for these monumental scientific feats.

- **3D simulations**
- **Embedded Displays**
- **Cockpit Displays**
- **Head-Up-Displays**
- **Training Simulators**

Commercial Space Flight

As the commercial spaceflight industry continues to grow, DiSTI helps organizations reap the benefits of our expertise to improve programs and fast-track their development. DiSTI software and solutions are in current use by nearly every commercial space program. Our products and solutions are relied upon for:

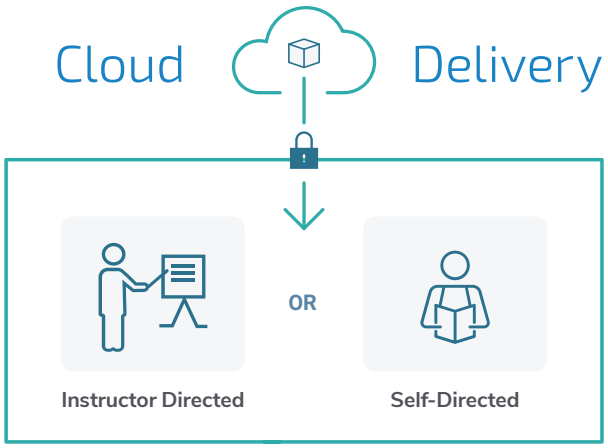
- **Rapid Prototyping**
- **Spacecraft Avionics**
- **Training and Simulation**
- **Next Generation**
- **Spacesuits**
- **Head-Up Displays**
- **Ground Telemetry**

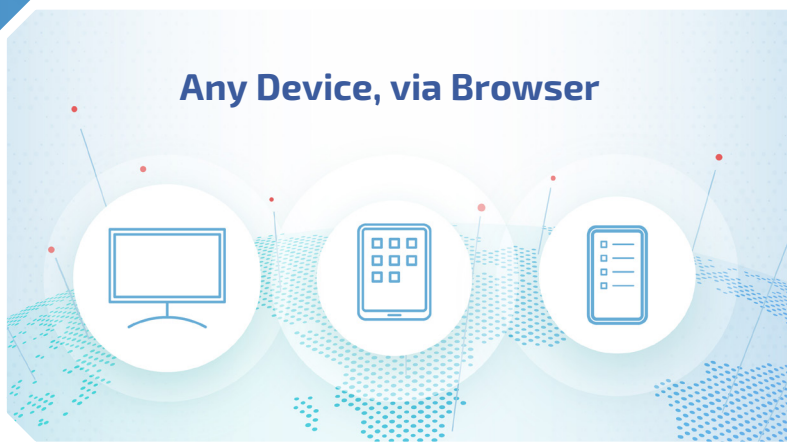
The Moon, Mars, and Beyond

DiSTI is always looking towards the future, working hard to usher in those next giant leaps. From supporting programs as far back as the original MARS500 to the latest ARTEMIS Gateway programs, and everything in between, DiSTI is always looking towards the next frontier. While we may have our feet firmly planted on terra firma, our team works hard to help train those who brave new worlds and make a lasting impact for all humankind.

Technology

DiSTI continues to innovate through powerful tools





DiSTI Schoolhouse™

A Managed Virtual Training Solution by DiSTI

Remote training provides organizations the power to train and certify staff lower training costs, improve overall efficacy, and provide access to online training materials regardless of location. With deployments in the Aerospace, Defense, Automotive, Industrial, and Medical industries, DiSTI Schoolhouse™ enables virtual training with real-time 3D rendering through a standard internet browser. DiSTI Schoolhouse™ is primarily an Application Streaming Service optimized for graphically intensive 3D applications.

This approach doesn't require any locally installed applications and because content is rendered in the cloud, the local computer does not need to contain high-end graphics rendering hardware. This also means that the Windows applications are accessible on Mac, Linux, Chromebooks and Windows without any software modification or installation.

DiSTI Schoolhouse™ Benefits

DiSTI Schoolhouse™ allows organizations the freedom to host nearly any training content, utilize the LMS of their choice, and deploy it quickly and to scale.

DiSTI recommends using this approach for the following reasons: While the possibilities for implementation are boundless, the benefits continue to emerge. One client experienced a 66% decrease in training delivery time from a single course.

Training through DiSTI Schoolhouse™ reduced a traditional 3-day instructor-led technical certification course to 9 hours, while also improving student engagement and knowledge retention rates.

- **Users can access the application from any computer with a broadband internet connection and a modern (HTML 5 compliant) web browser running the latest versions of Google Chrome, Mozilla Firefox, Safari, and Microsoft Edge, on desktop devices, including Windows, Mac, Chromebooks, and Linux PCs.**
- **Alleviates the need for customers/users to have high-end gaming computers to use their 3D training applications.**
- **Enables a rapid and instantly scalable global rollout of the training content.**
- **Cloud-based delivery ensures that any time the user accesses the 3D training application they are running the most current version of the application.**
- **No local software installation required. After exiting the service, no proprietary information resides on the user's system.**

Classroom Training

Classroom content transitions to hands-on training to support progression

VE Mentor

Hands-On Training

Flight line content feeds back into the classroom to support training efficiency

VE Mentor — A cross-over integration between two best-of-breed products:

- DiSTI's VE Studio classroom training platform
- Design Interactive's AUGMENTOR hands-on training authoring system.

VE Studio®

- Desktop classroom with student and instructor stations.
- VR procedural vignettes to enhance student immersion and engagement.
- Relational database correlates all requirements, 30 objects, support equipment, properties, behaviors and constraints.

AUGMENTOR™

- Information placed on/near actual equipment.
- Task steps and decision points are sequenced and placed spatially.
- Authoring capability allows experts to create videos, import pictures, embed animated holograms, and leave virtual sticky notes.

Empowers Developers

Create customizable and unique content once to share across multiple platforms, bridging the gap between classrooms and hands-on training.

Transforms Classrooms

Amplify classroom training using immersive 3D training technologies that improve spatial recognition and extend knowledge retention.

Amplifies Capabilities

Expand your hands-on mixed-reality training with built-in capabilities to create and distribute supplemental content ondemand.

Revolutionizes Learning

Bring adaptable, focused training from the flight line back into to the classroom using a simple, repeatable process, keeping content current.

DISTI®

Have questions?

Please reach out through the information below

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