

Professional Services



Virtual Maintenance Training



Cockpit & Dashboard Instruments

Desktop Learning



***EMPOWERING the
Human Machine Interface***

DiSTI®

About DiSTI

Founded in 1994, DiSTI is a leading provider of advanced graphical user interface software and services to businesses, governments and militaries worldwide. The company's flagship offering, GL Studio, is a suite of powerful tools which enable developers to build high-fidelity graphics and fully interactive controls into their software products, enhancing the level of realism and sophistication of their development efforts. DiSTI's solutions have been implemented in a wide range of uses in multiple industries, from virtual cockpits for the defense community to safety-critical applications for the aerospace and medical communities.

EMPOWERING THE HUMAN MACHINE INTERFACE™



Professional**Services**

Geared at Developing Human Machine Interface Content and Applications to Meet Any Design Challenge

Our expertise is at your disposal if project staffing or timing constraints dictate the need for additional HMI development resources or if you need a turn-key end product. Whether you require the development of interactive prototypes, virtual surrogates of equipment and devices, safety critical embedded HMI content, or 3D virtual environments; count on DiSTI to deliver the right content at an exceptional value.

Our level of service ranges from full turn-key product development, to system/subsystem content development, to engineering services; allowing you to interact with our group at whichever level you deem necessary.

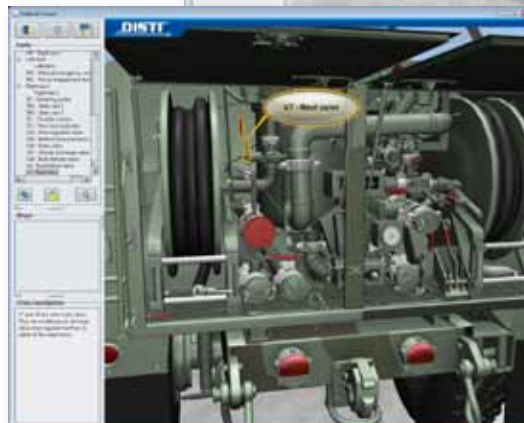
	Virtual Maintenance Trainers	Cockpit and Dashboard Instruments	Desktop Learning/ ADL	Safety Critical HMI
Engineering Services	●	●	●	●
Subsystem Development	●	●	●	●
End Product Development	●		●	



Professional Services

Maintenance Training

DiSTI is recognized as the industry leader in enabling virtual maintenance training through the rapid development of compelling virtual surrogates. From **component level** projects to entire **platform level** maintenance trainers, DiSTI's capable and comprehensive virtual surrogates replicate the form and function of any real world device to meet your requirements and goals.



Screenshots of the maintenance trainer for the Oshkosh HEMTT.

Benefits of utilizing Virtual Surrogates over Hardware Trainers

Maintenance trainers, utilizing DiSTI's virtual surrogates, provide numerous benefits over hardware trainers. Users interact with virtual devices exactly as they would the real object, experiencing equivalent training faster and cheaper, while increasing productivity and learning retention with flexible access.

DiSTI's comprehensive maintenance training successes include:

Platform Level	Component Level
The Lockheed Martin F-35 Lightning II	Caterpillar 3406 & 3408
The Boeing F/A-18 C/D and E/F	Cummins 855 & KTA50
The U.S. Navy LCAC-SLEP	Allison 4500 SP

DiSTI's Virtual Surrogate Benefits:

- » Train smarter and cheaper with lower lifecycle costs
- » Increase retention and student throughput with flexible access
- » Lower cycle times allow for faster training
- » Train safer with reduced physical risks
- » Train anywhere with no bounds on location

Screenshots of the CH-47 VMT.





Professional Services

Cockpit & Dashboard Instruments

DiSTI's name is synonymous with instrumentation development and the GL Studio toolkit is the cornerstone of this development. While the tool is easy to use, our services organization assists when HMI development needs exceed your current resource capacity.

F-16 RDAF Virtual Cockpit.



Customizable Instrumentation and Interactive Displays

DiSTI produces instrumentation to meet your design specifications and application objectives then delivers pre-compiled software builds and designs, along with an ICD. This allows for the seamless integration of the HMI content into your software projects.

DiSTI produced instrumentation facilitates various application arenas, including:

- » Virtual prototypes
- » Desktop, part-task, and full mission trainers
- » Instructor operator stations
- » Repeater panels
- » Instructor training aids
- » Embedded displays



Our professional services organization successfully delivered numerous programs, satisfying our customer's diverse requirements for instrumentation with the highest degree of quality, performance, and fidelity. DiSTI delivers design source files so our customers can control their own destiny.

CH-47 Instruments for U.S. Army FSXII.





Professional Services

Desktop Learning

By extending the application space of a 3D interface, DiSTI's services organization produces virtual environments of operational devices suitable for use in courseware, web-based training, and distributed learning applications. These virtual environments facilitate the development of learning content that engages students through an accurate synthetic representation of the real-world device.

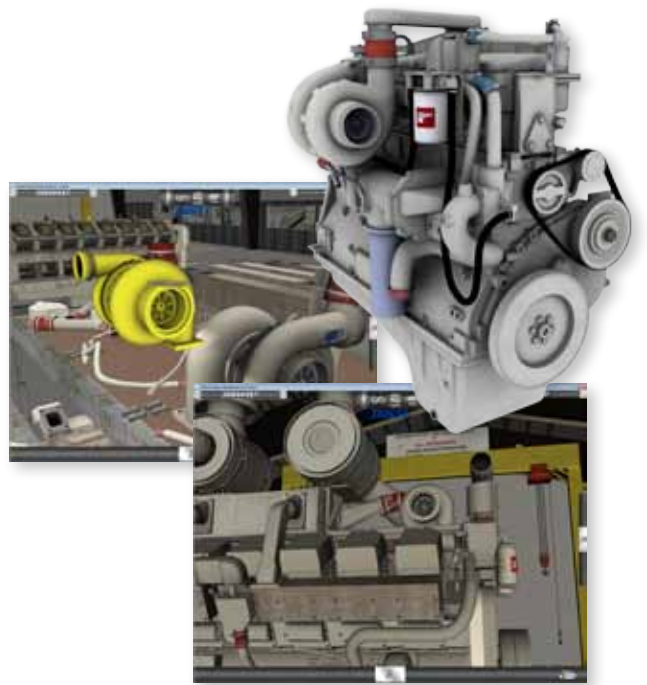


Extendable Capabilities Lead to Dynamic Results

DiSTI's professional services staff has the knowledge and skill to integrate virtual surrogates into desktop learning systems. Our years of experience delivering custom solutions for clients world-wide, combined with the open, object-oriented nature of DiSTI's GL Studio software, makes us ideally suited to create and incorporate Level 3 and Level 4 courseware components into all types of learning management solutions.

DiSTI's tools and services are utilized in the production of a variety of 3D virtual environments, including:

- » Personal computer simulations
- » Industrial Equipment
- » Radios and communications gear
- » Full vehicle systems



PastProjects

Since 2001, DiSTI has successfully completed over 70 projects, supplying both U.S. and foreign governments and industry with full training systems/applications, subsystems, and development tools. The table below provides a sample of past DiSTI Professional Services programs.

Virtual Maintenance Training	
Platform Level	Component Level
F-35 (JSF) Aircraft Systems Maintenance Trainer	Caterpillar 3406 Engine Maintenance Trainer * ◇
F/A-18C/D Simulated Aircraft Maintenance Trainer (SAMT)	Cummins KTA50 Engine Maintenance Trainer * ◇
F/A-18E/F Integrated Virtual Environment Maintenance Trainer	MV-22 Maintenance Trainer Engineering Support
F-18 Finland SAMT Upgrade	Allison 4500 SP Control Valve Virtual Task Trainer* ◇
CH-47 / AH-64 Helicopter MT Demonstrators	
LCAC SLEP Maintenance Training Courseware* ◇	

Cockpit & Dashboard Instruments	
A-10A IOS Repeaters	AH-64 MFD and Grips
Canadair CRJ Cockpit Displays for Level 6 FTD	Bell 206 Cockpit Graphics
E-6B WST Mission Crew Control Panels	UH-60 AVCATT Cockpit Graphics
F-15K and F-15SG IOS Repeaters	Stryker Reticles
F-16 Block 32 IOS repeaters	HEMMT Dashboard and Reticles (CCTT)
F-16A MLU M5 Graphical Cockpit	HMMV Dashboard and Reticles (CCTT)
F-18 Virtual Cockpit, Moving Map and IOS	LMTV Dashboard and Reticles (CCTT)
T-1A GBTS Graphical Cockpit	CH-47 IOS Repeater (Flight School XXI)
T-25 Electronic Combat Trainer	OH-58 IOS Repeater (Flight School XXI)
T-38 Cockpit Repeaters	HH-60J/HH-65B Reconfigurable CPT
T-39 Radar Intercept Trainer (AIRT/GMRT)	LCAC Virtual Environment Desktop Trainer
T-45 Instruments	P-3C MRT3
T-45 IOS Approach Plate Tool	Sea Lynx MK88 Instruments and IOS
T-6 Texan Cockpit Displays	SH-60F Sonar Station
TH-57 Cockpit Repeaters	White Tail Fire Scout UAV Tactical Display
TH-67 IOS Repeaters	

Desktop Learning	
F-35 Interactive Cockpit for Courseware ◇†	Personal Computer Troubleshooting * ◇
LCAC Operator & Maintainer Courseware ◇†	TACLANE 1.0 and 2.0 Courseware ◇†
MH-60R and MH-60S Training Systems Development ◇†	

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