

# Professional Services



Virtual Maintenance Training



Cockpit & Dashboard Instruments

Desktop Learning



## 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.

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## Professional Services

### DiSTI Becomes the Leader in Virtual Maintenance Trainer Technology

DiSTI staffs a complete Professional Services organization geared at developing Human Machine Interface content and applications to meet any design challenge. Our expertise is at your disposal if project staffing and/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 replication of existing equipment, safety critical embedded HMI content, or 3D virtual environments, you can count on DiSTI to deliver the right content at an exceptional value.

Our levels of service range from full turn-key end 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
End Product Development	●		●	
Subsystem Development	●	●	●	●
Engineering Services	●	●	●	●



## Professional Services

# Maintenance Training

DiSTI is a world leader in the delivery of HMI content that facilitates virtual maintenance training of operational equipment. The commercial-off-the-shelf tools and technology employed by our services organization can replicate the form and function of any real world device. The benefit is a virtual representation of the operational device, along with any associated test equipment and support tools, which frees the student from being tied to physical training constraints.

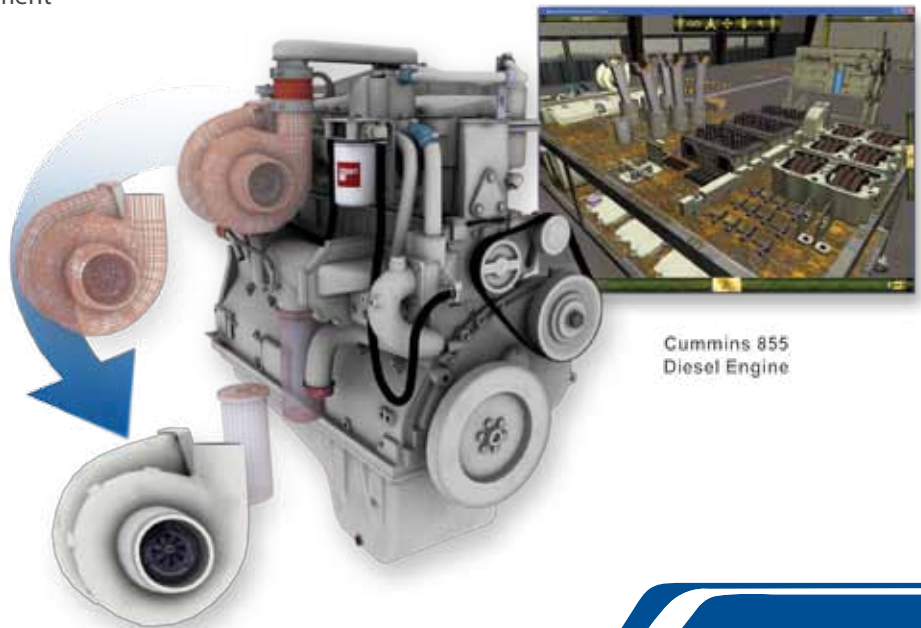
DiSTI's technology and services have been utilized in the production of a variety of maintenance training content, including:

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



The Virtual Maintenance Training Environment (VMTE) delivers a compelling and comprehensive maintenance training solution with features that include:

- » A fully immersive 3-D environment DiSTI's Natural Navigation™ human machine interface (HMI)
- » The capability to provide unrestricted free-play
- » All required test and support equipment
- » A modular upgradable architecture
- » Execution on laptop computers





## 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 is here to assist when HMI development needs exceed current resource capacity.

DiSTI will produce instrumentation to meet your design specifications and application objectives then deliver pre-compiled software builds and designs, along with an ICD, allowing the HMI content to be seamlessly integrated into your software projects.

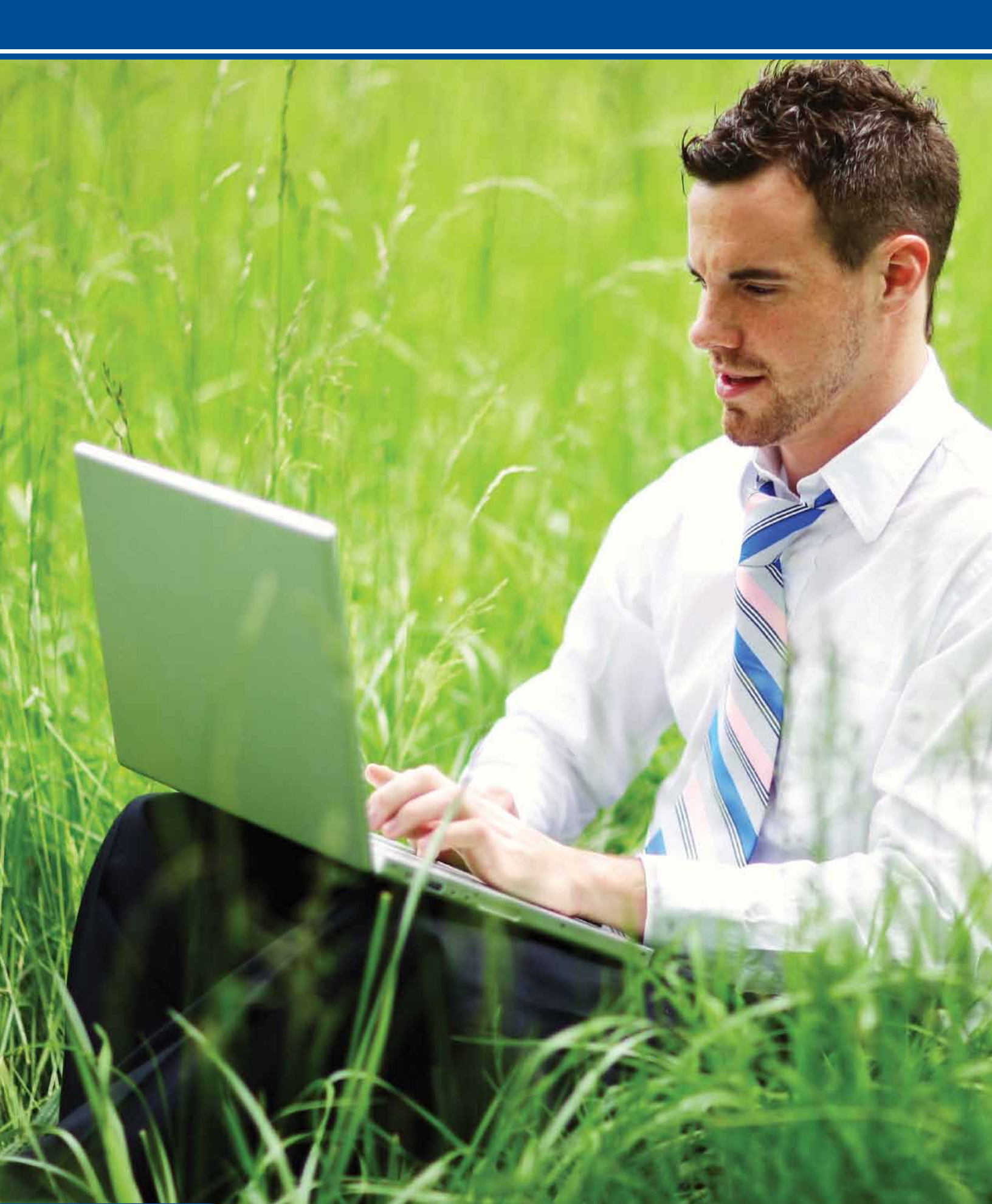
DiSTI produced instrumentation has been used to facilitate a variety of application arenas, including:

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



Our professional services organization has successfully delivered on numerous programs satisfying our customer's requirements for instrumentation with the highest degree of quality, performance, and fidelity. Our success stems from being able to use the GL Studio tools extremely effectively to produce these designs. DiSTI then delivers the designs to our customers so they can control their own destiny.





# Professional Services

# Desktop Learning

By extending the application space of a 3-D interface DiSTI's services organization produces virtual environments of operational devices suitable for use in courseware, web-based training, and distributed learning applications. Producing these virtual environments permits the development of learning content that engages the student by enabling the capability to interact with an accurate synthetic representation of the real-world device.

DiSTI's tools and services have been utilized in the production of a variety of 3-D virtual environments including:

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



The knowledge and skill of DiSTI's professional services staff to integrate interactive graphical environments into desktop learning systems is a natural extension of our capabilities. Our years of experience delivering custom solutions for clients worldwide, combined with the open, object-oriented nature of DiSTI's GL Studio software, makes us ideally suited to create Level 3 and Level 4 courseware components that can be incorporated into all types of learning management solutions.



# PastProjects

Since 2001, DiSTI has successfully completed over 60 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 Service programs.

Virtual Maintenance Training	
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	LCAC SLEP Maintenance Training Courseware* ◇
F-18 Finland SAMT Upgrade	MV-22 Maintenance Trainer Engineering Support
CH-47 / AH-64 Helicopter MT Demonstrators	Allison 4500 SP Control Valve Virtual Task Trainer* ◇

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 ◇†	

## Contact **DiSTI**

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