

Professional Services

Maintenance Training

DiSTI is recognized as the industry leader in enabling virtual maintenance training through the rapid development of compelling **virtual surrogates**, enabling the complete form and function replication of real-world devices at component and platform levels.



EMPOWERING *the*
Human Machine Interface

Virtual Surrogates **Benefits**

Virtual surrogates reproduce any device's form and function in its entirety, reducing the need for physical access to the device and delivering an array of benefits to the users.

DiSTI utilizes a proprietary engineering process, allowing for the creation of the most interactive and visually stunning 3D models in the industry. DiSTI's superior runtime, specifically developed for up close interaction, allows users to interact with the virtual devices exactly as they would the real object. This results in a user training experience equivalent to live training but with reduced training times, lower overall costs, and no limits on location.

DiSTI's Virtual Surrogates Benefits:

- » **Train Smarter:** Engage digital generation
- » **Train Cheaper:** Lower lifecycle costs
- » **Train Faster:** Lower cycle times
- » **Train Safer:** Reduce physical risk
- » **Train Anywhere:** No bounds on location
- » **Train Better:** Understand the first time

CH-47 Virtual Maintenance Trainer

DiSTI developed the CH-47 virtual maintenance trainer as a platform level training device. The CH-47 and similar demonstrations for the AH-64, showcase how operator training content is used to augment virtual surrogate development for maintenance training.



Success Stories

Platform Level Virtual Surrogates: the F-18 IVEMT

Built on the foundation of the F/A-18 Simulated Aircraft Maintenance Trainer (SAMT), the F-18 Super Hornet Integrated Visual Environment Maintenance Trainer (IVEMT) is a platform level maintenance trainer providing enhanced interactivity and detailed real-time aircraft schematics through the use of CAD data.



The Fuel HEMTT Prototype Showcases Part Task Training

DiSTI's virtual surrogate technology demonstrates the superior benefits of platform level maintenance training with the Oshkosh Corporation's OEM expertise. This strategic partnership capitalizes on efficiency and cost reductions to produce visually stunning, high-fidelity training materials for the fuel Heavy Expanded Mobility Tactical Truck (HEMTT).



DiSTI Delivers Level 4 and 5 Courseware for Navy's LCAC

Built for the U.S. Navy, DiSTI developed a blended learning system with 200 hours of SCORM conformant courseware for the Landing Craft Air Cushion (LCAC) vehicle. DiSTI's solution resulted in unprecedented training realism and significant cost savings through courseware and simulation portability.



F-35 JSF Virtual Maintenance Trainer

DiSTI developed the platform level Aircraft Systems Maintenance Trainer (ASMT) for the F-35 Lightning II, as part of an entire training system developed by Lockheed Martin. The ASMT, as a virtual surrogate of the aircraft, provides training for student maintainers on ground operation, maintenance, and testing procedures.





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DiSTI's comprehensive Virtual Surrogates enable complete platform level maintenance training solutions for any device.



Empowering the Human Machine Interface

Scalable Maintenance Training Solutions:
From Small Arms to Big Jets



See virtual training solutions
at www.disticom/VMTE



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