

## FOR IMMEDIATE RELEASE

### CATI Training Systems & DynaLantic Complete Apache CMS Upgrade

Ozark, AL, January 31, 2022 – CATI Training Systems (CATI) and *DynaLantic Corp.* (DLC), complete Apache AH-64A Combat Mission Simulator (CMS) Visual System Upgrade with Advanced Image Generation Technology and Real-World High-resolution Imagery.

The CMS upgrade included replacing the vintage 2003 visual system with a state-of-the-art COTS based CATI X-IG® Image Generator System and re-created the training visual database utilizing high-resolution 50cm color balanced imagery for a pre-computed emissive scene. There are over 65 million trees and more than 64,000 features (3D structures) included in this database. CATI X-IG® notable features include CUDA-Based FFT Sea State Modeling, Degraded Visual Environment (DVE) Modeling and Tunable IR/TV/NVG effects. Preview a fly through of this database on the [CATI YouTube](#) channel.

The Apache CMS features full motion 6 degrees of freedom motion legs with 60 inches of travel. Each crew member, pilot/co-pilot (gunner) has an individual cockpit platform. Upgrades for the visuals include 3-OTW channels, Pilot Night Vision System (PNVS), Target Acquisition and Designation Sights (TADS) and Direct View Optics (DVO).

The AH-64A Apache CMS (device 2B40) located in the *DynaFlight* Training Center in Ozark, AL is the last remaining fully operational Apache CMS full-flight simulator worldwide. The Apache CMS was originally developed by Singer Link around 1985. Only 10 AH-64A CMS Simulators were produced. Device 2B40, serial number 10A/B was relocated to Ozark, AL in 2013 after it was decommissioned by the Army National Guard in Marana, AZ. Several enhancements have been completed by DLC over the years. These enhancements allow for continued operation of the device with modern Commercial-of-the-Shelf (COTS) computer hardware to facilitate maintenance and improve reliability. This provides a cost-effective training solution.

#### [About DynaLantic Corp](#)

*DynaLantic Corp.* headquartered in Ozark, AL, was initially incorporated in 1984 in Long Island, New York. DynaLantic expertise and experience include original design, build, repair, and upgrade for both full-scope and part-task, “real-time man in the loop” training systems for Aircraft (Fixed Wing, Rotary Wing, and Ordinance), Unmanned Aircraft Systems (UAS), Simulator Support and Maintenance Services, Simulator Hardware and Software Upgrades, and much more.

In 2007, *DynaLantic Corp.* founded the *DynaFlight* Training Center (DTC) in Ozark, AL, and became a Non-Standard Rotary Wing (NSRW) flight training provider. The DTC currently conducts flight simulator training for AH-1 Cobra, Huey II, and AH-64A Apache aircraft. *DynaLantic Corp.* in coordination with PM-NSRW at Redstone Arsenal, the Department of State, and through direct commercial sales, provides training for United States allies from countries across the globe. The DTC is located 10 minutes from Ozark area hotels, and just 20 minutes from the Dothan, AL airport. The DTC offers simulator training unavailable anywhere else in the world.

*DynaLantic Corp.* acquired the assets of the Training Simulation Engineering Team (TSET) in September 2018, formerly known as CATI Training Systems LLC., from URS Federal Services, an AECOM company. TSET has become CATI, Inc. DBA CATI Training Systems.

#### [About CATI Training Systems](#)

**CATI** is headquartered in Ozark, AL, was initially incorporated in 1992 as Carmel Applied Technologies, Inc. CATI entered the competitive visual system providers market in 1997 with an OpenGL® Silicon Graphics (SGI) based image generator, X-IG®. **CATI Training Systems** continues to provide engineering services and products for government, commercial, and civilian organizations around the world.

Today, **CATI's** image generator solutions and UAS Training devices are all PC-based. **CATI's** image generators are specifically designed around industry standard OpenGL®, a high-performance graphics Application Programming Interface (API), and OpenFlight®, the 3D standard format for the visual simulation industry. The open design of X-IG® and X-Gen®, run on 100% Commercial-Off-the-Shelf (COTS) PC-based hardware and software. This allows us to offer high-performance, versatile capabilities for various types of training, testing, and experimentation. X-IG® and its suite of associated tools and programs offer superior image fidelity, realism, and ease of integration with most simulation systems.

Every system **CATI** delivers provides unmatched ease of use, open architecture, COTS tools, and flexible interface options as well as low acquisition, overhead, and life cycle support costs.

### **CATI Training Systems, ISO 9001:2015 Certified Company**

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