

## FOR IMMEDIATE RELEASE

### CATI Brings Reality to the Virtual World

**Ozark, AL., February 28, 2023** - CATI Training Systems, (CATI) X-IG® takes flight simulation training to the next level with Mixed Reality. See video on [CATI YouTube](#) channel. Mixed reality is a blend of the physical and digital worlds. Pilot trainees view the real world through the Varjo XR-3 HMD with high resolution pass-through cameras that allow them to see and touch the cockpit instrumentation (knobs and dials) of a physical aircraft cockpit. CATI X-IG® seamlessly fuses a high-fidelity OTW synthetic environment with portions of the aircraft interior cockpit such as the co-pilot position with the physical cockpit to create our most realistic Mixed Reality training environment to date. CATI Mixed Reality provides a very robust training capability at significantly lower cost. X-IG supports Varjo VR-3, Varjo XR-3, Oculus Rift, VIVE and Vision Products VR/MR headsets. Special thanks to our industry partners SGB Enterprises and PLW Modelworks.

#### [About SGB Enterprises Inc.](#)

For more than twenty-five years, **SGB Enterprises**, Inc has combined product design excellence and production expertise to a broad customer base for both military and commercial simulation training sectors.

**SGB** is a systems integrator that designs and manufactures procedural trainers, flight training devices, flight simulators, maintenance trainers, and all the avionics and control components that make up those same systems' cockpits. **SGB's** vertical integration and control over core processes allow **SGB** to maintain best value training solutions while achieving the highest levels of fidelity and reliability that is required to train today's aviators.

#### [About PLW Modelworks LLC](#)

**PLW Modelworks** is a synergy of talent in geospatial modeling and urban model production. The company principals bring a combined 80 years' experience in creating True 3D polygonal city models of real-world urban scenes to **PLW**. Our 3D model professionals take pride in providing superior customer service and True 3D polygonal model solutions that meet or exceed our client's expectations.

#### **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.

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