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QUANTUM3D INDEPENDENCE IG SOLUTIONS, GEOSCAPESE SYNTHETIC ENVIRONMENTS AND FACETS REALTIME 3D MODELS SELECTED BY CYMSTAR FOR USAF KC-10 BOOM OPERATOR TRAINER (BOT) UPGRADE

Quantum3D Independence IDX 3000 IG Solutions, GeoScapeSE Synthetic Environments and Facets Realtime 3D Models Provide COTS High-Fidelity Virtual-Environment Trainer for KC-10 Boom Operator Enhanced Training Effectiveness

ORLANDO, FL, I/ITSEC 2007–November 26, 2007—Quantum3D[®], Inc., a leading provider of Commercial off-the-Shelf (COTS), open-architecture, realtime visual computing solutions, announced today at I/ITSEC 2007 that CymSTAR, LLC, has selected the Quantum3D Independence[®] IDX 3000 COTS Image Generator (IG) Solutions, GeoScapeSE[™] COTS Synthetic Environments and Facets[®] COTS Realtime 3D Models for upgrades of the U.S. Air Force KC-10 Boom Operator Trainer (BOT) program.

CymSTAR was awarded contracts by the U.S. Air Force (USAF) to upgrade KC-10 BOTs located at Travis and McGuire Air Force Bases and improve the capabilities, supportability and maintainability of the air-refueling training devices. CymSTAR purchased the IDX 3000 IGs, which provide host-controllable advanced weather effects, 3D ocean with reflections and realtime lighting and dynamic shadows, along with GeoScapeSE Synthetic Environments and Facets Realtime 3D Models, to enhance the realism and improve device fidelity for increased training effectiveness of the BOT simulators. The KC-10 BOT devices were recently accepted by the USAF and placed into training service this month.

Rick Goree, KC-10 Program Manager for CymSTAR stated, “Our partnership with Quantum3D has enabled us to provide significant upgrades of the fidelity, capability and supportability of the original KC-10 BOT devices with minimal disruption—which translates directly into lower cost and overall risk reduction in training-device development, modification and installation.”

“Aerial refueling is a dangerous dance between two aircraft and tons of jet fuel conducted day and night in all kinds of weather—so effective training is of vital importance,” said Ross Q. Smith, Quantum3D Co-founder and President.

“By enhancing the fidelity of the training solution for KC-10 boom operators, we can help improve the safety and efficiency of this mission-critical activity. CymSTAR’s selection of Independence for this precision training device adds another key design win to the growing list of advanced aviation- and weapon system-related simulation and training programs employing the IDX family, which now includes the F-15E MTC, F/A-22 ACS, F-35 ACS, Apache EDS, TH-57C FIT, LSOT and B-2 PES, to name just a few.”

Independence IDX Family at I/ITSEC 2007

The Independence IDX 3000 and IDX 4000 COTS IG Solutions, GeoScapeSE Synthetic Environments, Facets and other Quantum3D realtime visual computing solutions for institutional Visual and Sensor Simulation and Training (VSST) and Embedded Training (ET) applications will be demonstrated by Quantum3D in booth 1501 and select partner booths at the 2007 Interservice/Industry Training, Simulation and Education Conference (I/ITSEC) November 26 to 29 in the Orange County Convention Center in Orlando, Florida. To arrange a meeting, please e-mail salesinfo@quantum3d.com or call +1 (408) 361-9999 x 2.



Quantum3D Independence IDX 3000 Realtime Screen Captures of KC-10 BOT In-Air-Refueling Training Scenarios

About CymSTAR, LLC

CymSTAR, LLC is both an SBA certified HUBZone small business and a Service-Disabled Veteran-Owned Small Business (SDVOSB) ISO certified company that specializes in all types of training device development, concurrency modification, and technology upgrades. The CymSTAR staff has successfully completed over fifty concurrency and technology modifications to training devices built by various original equipment manufacturers. In addition, the CymSTAR staff has designed and produced seven Flight Training Devices which featured the re-hosting of GFE full flight software loads. Successful completion of these projects is direct evidence of CymSTAR's excellent capability to interpret and understand original manufacturer designs and to modify these designs with minimal disruption to the original systems. This demonstrated experience translates directly into lower cost, schedule and performance risk in training device development, modification and installation. For more information on CymSTAR, please visit www.cymstar.com.

About Quantum3D

Quantum3D is an industry-leading small business supplier of COTS, open-architecture, realtime visual computing software and hardware products for the Embedded Visual Computing (EVC), Deployable High Performance Computing (DHPC), VSST and ET markets. Quantum3D's products include advanced IG solutions, realtime scene management development and deployment software and synthetic environment content, FAA DO-178B Level A certifiable visual computing application development and deployment software, and tactical, embedded and industrial visual computing systems and subsystems for C2/C4ISR, machine vision, sensor processing, unmanned vehicle operator control and embedded training applications. Quantum3D is a privately held company headquartered in San Jose, California. For more information on Quantum3D, please visit www.quantum3d.com.



**Quantum3D Independence®
IDX 3000 ER IG Solution with
Noise Reduced 35U Cabinet**

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