QUANTUM3D™
TRAINING. SIMULATION. TECHNOLOGY.

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Quantum3D – based in Silicon Valley, provides training and simulation technologies, integrated solutions and services for the commercial, civil and defense markets worldwide. We believe that training is fundamental for the people who operate complex equipment in an ever-changing environment. Whether you are a pilot training and preparing for unexpected emergencies, or a firefighter working as a team to deal with changing weather patterns to put out large fires, or a parachutist preparing for a drop into a new location, or a team of soldiers readying for deployment to fight an unknown enemy, or a mechanic fixing complex and critical equipment in a safe and timely manner, we believe that success and safety of personnel is best achieved through preparation and training and Quantum3D is the leading provider of simulation technologies, content, solutions and services to provide this necessary training.

Simulation and Training Systems Engineering
- Hardware & Software Integration
- HPS(High Performance Server) Architecture, Design
- Visual Systems Integration
- Partial, Full Mission Training Sys.
- Ruggedized Systems Dev.&Testing

Visual Simulation Database Design
- TerraVista, Creator, ArcGIS, CDB, Photoshop, TrianGraphics Tools
- 3Dsmax, Maya Modeling Tools
- Imagery Acquisition & Integration
- Custom Design • Rapid Prototyping
- Custom Scenario (Air, Infantry)
- 3D Modeling & Content Dev.
- Level D Airport Development
- Custom Terrain Development
- Large Existing 3D Model Library

Simulation and Training Software Engineering
- Windows, Linux, VxWorks
- Application Development
- Real-time Systems
- Image Generation • Image Processing
- Sensor Simulation
- Sensor Data Process & Fusion
- Computer Vision
- Video Process & Compression
- VR/AR/ MR Software Dev.
- Cybersecurity Hardening Serv.

Program Management
- Simulator Modernization Program
- Transition Support
- Subcontractor Management
- Technical Training Document Management
- Simulator and Training Equipment Relocation

Manufacturing
- In-house Full System Assembly
- Electronic & Mechanical Assembly Testing (Environmental, Physical)
- Supply Chain Management
- Lifecycle Management
- Logistics Management

Field & Customer Service
- Flight Training Services
- Customer Training
- Complex Server Systems Installation
- Returns / RMA Handling
- Failure / Reliability Analysis

Sales
- Business Development
- Bids & Proposal (Commercial/ Military/US-Local/Global)
- Global Expertise
- Export Mgmt & Compliance

Product Portfolio
- MANTIS ® Image Generator, Independence ® IDX, Multi-channel Visual Systems
- Level D Flight Simulators
- Fixed Wing Flight Simulators
- Rotary Wing Flight Simulators
- UAV/UAS/FPV Drones
- UAV Simulator
- Parachute Simulators
- Virtual Firearms Simulators
- Stinger Simulator
- Forest Firefighting Simulators
- Mixed and Virtual Reality Visual Simulators
- Maintenance Trainers
- AI Based-Tactical Environments for Military

Users/Clients Include
- Users Span 20+ Countries Across Defense, Aerospace, Airlines, AAM
- Air Force, Navy
- North America – Tier-1 Defense/Airframe Primes
- GCC — National Defense Prime
- Europe – National Airline Aviation Training Center
- Asia–pacific – Aerospace And Defense Manufacturer
- N.America–Aerial Firefighting Opr.
- S.America–Major Aerospace Prime
- U.S.-Based AAM/eVTOL OEM
- Space Companies
- Space Agency

Products and Technology for your Training & Simulation Needs
Today, our capabilities, technologies, solutions and services provide fixed-wing or rotary wing flight training, aerial refueling training, infantry training, ground vehicle teraining, jumper training, fire fighting training, maintenance training, firearms training and more. Whether you want to integrate the world's most scalable Image Generator into your training platform or upgrade your current simulator with the latest technology, or purchase new simulation platforms, Quantum3D has the technology and capabilities to meet your training

Training & Simulation Design & Development
Whether it's integrating an aerodynamic host package with an Image Generator for a flight training device or a custom Instructor Operator Station (IOS) to enable instructors to introduce training challenges to students, or customizing new visual capabilities within an IG, or instrumenting your weapon type into a firearm trainer Quantum3D's team of engineers designs, develops and integrates technology for your unique training needs.

Quality & Service
Quantum3D's Quality Policy reflects our strong commitment to provide high quality products and services that consistently meet or exceed the requirements of our customers.

Operating and maintaining platforms and centers for training and simulation requires personnel, experience and technical know-how to ensure your facility or your simulation platform is operating and functional when needed. Quantum3D can work with you to maintain and service your training center and offer retrofit and upgrade options to keep your investment in simulation platform current and modern.

Visit our website at www.quantum3d.com or contact us at sales@quantum3d.com.

MANTIS® Image Generation

eVTOL/AirTaxi Simulator

Synthetic Envr. & 3D Model Library

Level D Flight Simulators

UAV/UAS/FPV Platforms & UAV Simulators

MR Visual Simulaton Systems

VR Parachute Simulator

AI Based Tactical Environments for Military

Augmented Reality Applications

Simulator Modernization Programs

Independence®
IDX 91 & IDX 910 & IDX 9100

GLOBAL FOOTPRINT