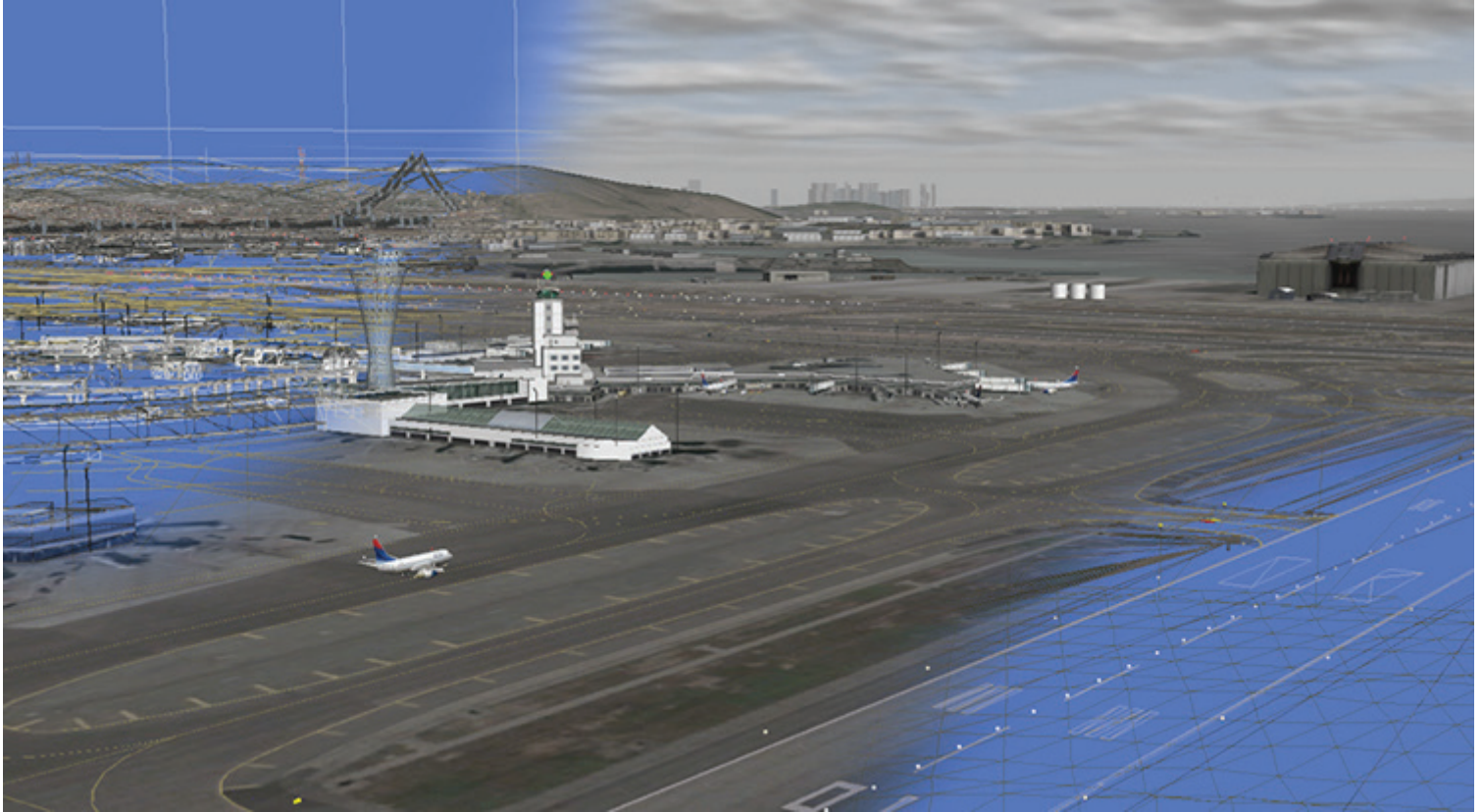


## CatalystSE DBGS | Database Generation System



**Everything necessary for simulation database generation is here. CatalystSE™ is a custom configurable, PC based, open architecture, COTS database solution that enables customers to develop, modify and maintain wide-area, high resolution, geo-specific synthetic environments.**

### Leading Edge Graphics Hardware & Software

CatalystSE is a powerful, professional workstation-class system that provides optimal visual and interactive performance. Database developers can draw on the latest available source data to make the process of database generation more efficient, timely and cost effective.

### Tool Suite Options

viXsen/Quest2 Sensor upgrade for MANTIS®

### Available Options

Optional Quantum3D and 3rd party COTS hardware and software products provide CatalystSE DBGS customers with a cost effective, efficient means to meet additional project requirements for synthetic environment databases.

The currently available Quantum3D COTS options are GeoScapeSE® Synthetic Environment Databases and a comprehensive toolset with material library to create, modify and maintain correlated, material classified, wide-area, geo-specific databases for sensor simulation applications.

## The CatalystSE Tool Suite

- ESRI ArcGIS for Desktop™ - The industry standard desktop GIS and mapping tool for creating and editing geographic data
- ET Spatialtechniques Geowizards plug-in for ArcGIS for Desktop™
- Presagis Terra Vista™ Pro Builder - Widely used for creating, modifying and optimizing TerraPage and OpenFlight terrain databases
- Presagis Creator™ - The visual simulation industry's favorite for creating, modifying, optimizing OpenFlight models
- Adobe® Photoshop® - Standard desktop digital imaging tool for creating, modifying, optimizing and compressing textures
- Quantum3D Celerity™ DBGS Tools - Database publishing tools that produce 60Hz optimized databases formatted for any Quantum3D MANTIS-based Image Generator
- Quantum3D Facets™ Model Library - High-quality, real-time 3D models that offer the highest levels of realism, without sacrificing real-time performance
- Quantum3D MANTIS Image Generation Software, Real-time scene management software

## General Specifications\*

### Hardware

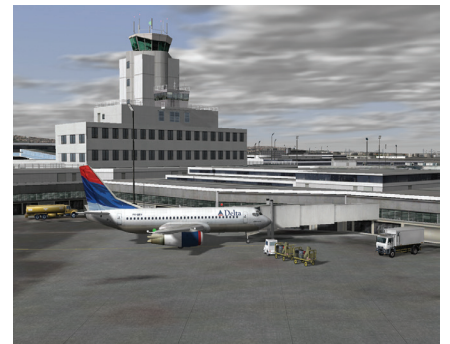
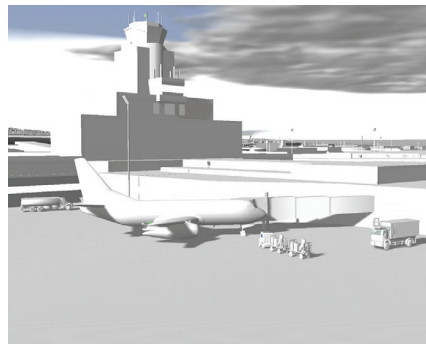
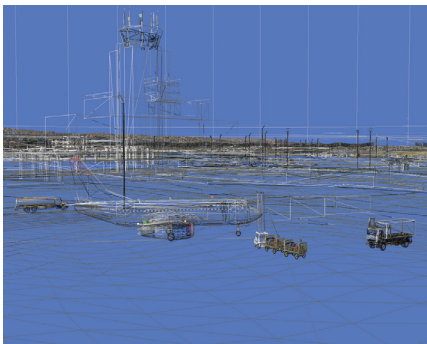
- 4U tower/rackmountable chassis
- Supermicro server-class motherboard
- Intel Xeon 6-core E5-series CPU
- 32 GB DDR4 ECC DRAM
- NVIDIA Quadro M5200 GPU
- 4 x 4TB SAS enterprise-grade hard drives (16TB total)
- LSI hardware RAID controller
- 3000VA UPS external power supply
- Blu-Ray optical read/write drive
- 20" LCD monitor, keyboard, mouse
- 1-year standard warranty on hardware

### Options

- viXsen/Quest2 sensor upgrade for MANTIS
- DI-Guy plug-in for MANTIS
- NVIDIA Quadro M6000 GPU

### Software

- Microsoft Windows 10 Professional 64-bit
- Quantum3D MANTIS Image Generation Software
  - \* Includes all optional plug-ins except viXsen and Quest2 sensor package and DI-Guy
- Quantum3D Celerity DBGS tools
- Quantum3D FACETS model library
- 1-year support/maintenance on all Quantum3D software
- Adobe Photoshop CS
- Presagis TerraVista ProBuilder w/1-year support/maintenance
- Presagis Multigen Creator w/1-year support/maintenance
- ESRI ArcGIS w/1-year support/maintenance
- ET Spatialtechniques Geowizards plug-in for ArcView



\*Specifications subject to change