



Industry Applications

- Civil Aviation Authorities
- Military Organizations
- Air Training Organizations
- Unmanned Aerial Systems


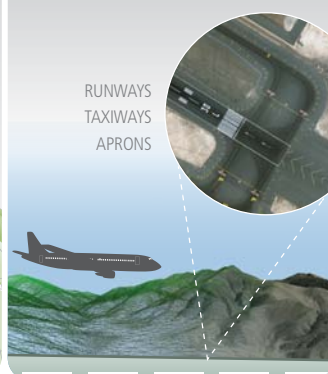
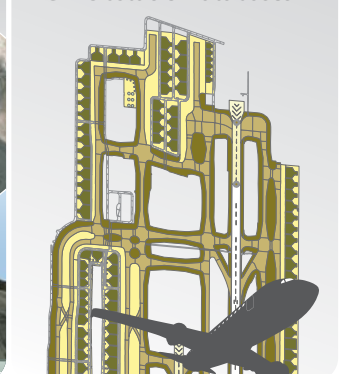
GeoEye is a leading provider of airport mapping solutions that help aviation professionals increase revenue and decrease costs. GeoEye 3D Airports meet all the latest industry standards to enable Performance Based Navigation (PBN) allowing organizations to grow revenue by increasing flight frequency and reducing fuel consumption while enhancing flight safety.

Large and Growing Archive

GeoEye has collected stereo imagery for thousands of airports around the world. Our constellation of high resolution satellites allows us to keep our image archive up to date even when events like natural disasters cause rapid changes on the ground. Air transportation officials can be confident that GeoEye 3D Airport Solutions will remain current and accurate.

Precise Airport Mapping

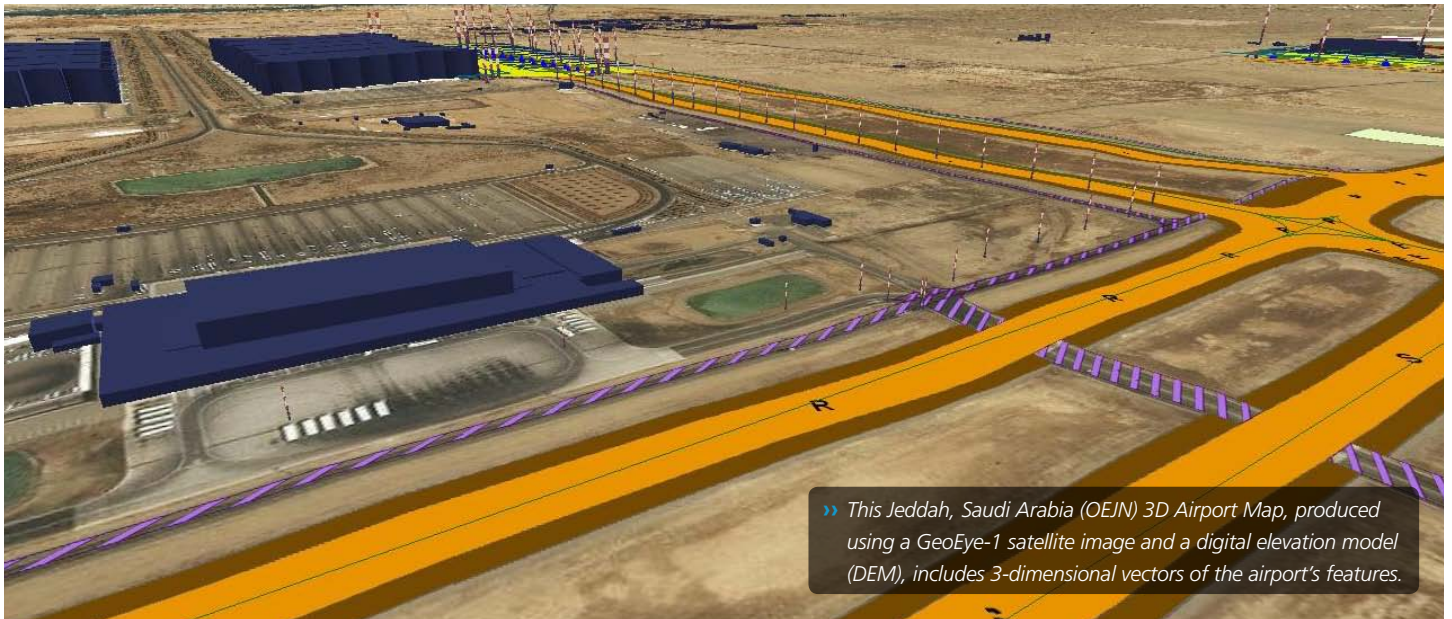
GeoEye has been analyzing imagery to understand the features, terrain, and vertical obstacles for military and commercial clients since 2001. Our team of experts has mapped over 3,500 airports worldwide and is knowledgeable in aeronautical procedures and standards. In many cases, we helped define these global standards.

Precise Airport Imagery Around the World	Deep Aeronautical Expertise	Standards-Compliant 3D Airport Products
<ul style="list-style-type: none"> › GeoEye-1 › IKONOS › Aerial 	<ul style="list-style-type: none"> › Feature Extraction › Digital Elevation Models 	<ul style="list-style-type: none"> › 3D Airport Maps › 3D Terrain Databases › 3D Obstacle Databases 

3D Airports Maps

A 3D Airport Map is a 3-dimensional geospatial model of an airport's significant features required to support aircraft and helicopter surface operations. Typical features used by aircraft include all runways, taxiways, aprons, gates, parking positions and buildings.

3D AIRPORT MAP SPECIFICATIONS	
Supported Standards	ICAO Annex-15 Area-3 RTCA DO-272(B) EUROCAE ED-99(B) EUROCONTROL AIXM 5 FAA AC-150-5300/18(B)
Delivery Formats	ESRI® Shapefiles, GML, MicroStation and AutoCAD®
Pricing	Fixed price based on complexity of features: Simple, Medium, Complex, or Very Complex
Imagery Updates	Provided as an annual subscription option



» This Jeddah, Saudi Arabia (OEJN) 3D Airport Map, produced using a GeoEye-1 satellite image and a digital elevation model (DEM), includes 3-dimensional vectors of the airport's features.

GeoEye extracts detailed 3-dimensional vector information from imagery to meet the needs of the air transportation industry. Our team can construct a 3D airport map of any commercial or military airport in the world.

Key Benefits of 3D Airports

» Global Reach

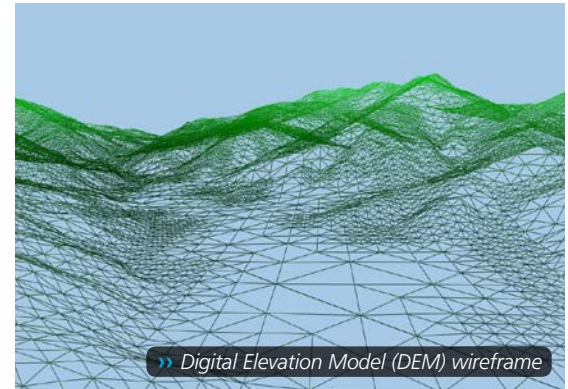
GeoEye has mapped over 3,500 airports around the world.

3D Airport Terrain & Obstacle Databases (eTOD)

A GeoEye 3D Airport Terrain & Obstacle Database contains elevation vector data for all significant natural or man-made obstacles around an airport to support Performance Based Navigation (PBN) Procedure Design. By 2015, all ICAO Civil Aviations Authorities must capture this data for:

- Navaid-based Procedure Design
- PBN Procedure Design
- Engine-Out Procedure Design
- Noise-Abatement Procedure Design
- Drift-down/Let-down Procedure Design
- Pressurization-Failure Escape Routes
- Unmanned Aerial System (UAS) Airports

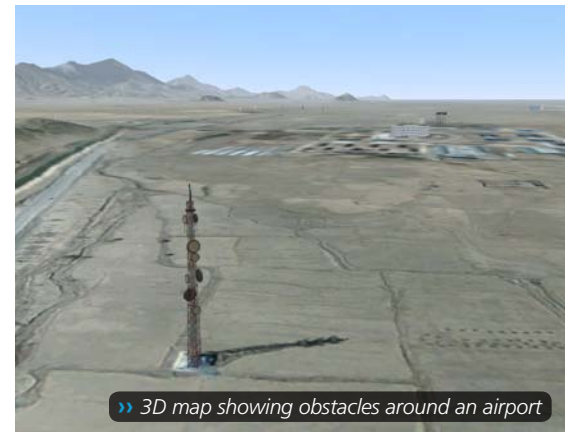
3D AIRPORT TERRAIN & OBSTACLE SPECIFICATIONS	
Supported Criteria Standards	ICAO Annex-15 Area-1, Area-2, Area-3 ICAO PANS-OPS ICAO RNP FAA TERPS FAA RNP
Supported Database Standards	RTCA DO-276(A) EUROCAE ED-98(A) EUROCONTROL AIXM 5 FAA AC-150-5300/18(B)
Obstacle Database Delivery Format	ESRI Shapefiles, GML, MicroStation and AutoCAD
Terrain Database Delivery Format	USGS DEM, NGA DTED
Pricing	Fixed price based on number of Runways
Imagery Updates	Provided as an annual subscription option



» Digital Elevation Model (DEM) wireframe



» GeoEye imagery draped over a DEM



» 3D map showing obstacles around an airport

» Timely Updates

GeoEye's constellation of satellites can keep your maps up to date and capture changes within days of an event.

» Flexible Coverage

Purchase a single airport, every airport in your country, or every airport you operate from.

» Built to Industry Standards

GeoEye 3D Airports meet all ICAO, FAA, and EUROCONTROL standards.

» Customized to Meet Your Needs

3D Airport Terrain & Obstacle data can be acquired for any area around the airport, well beyond the minimum ICAO Area-2 requirements.

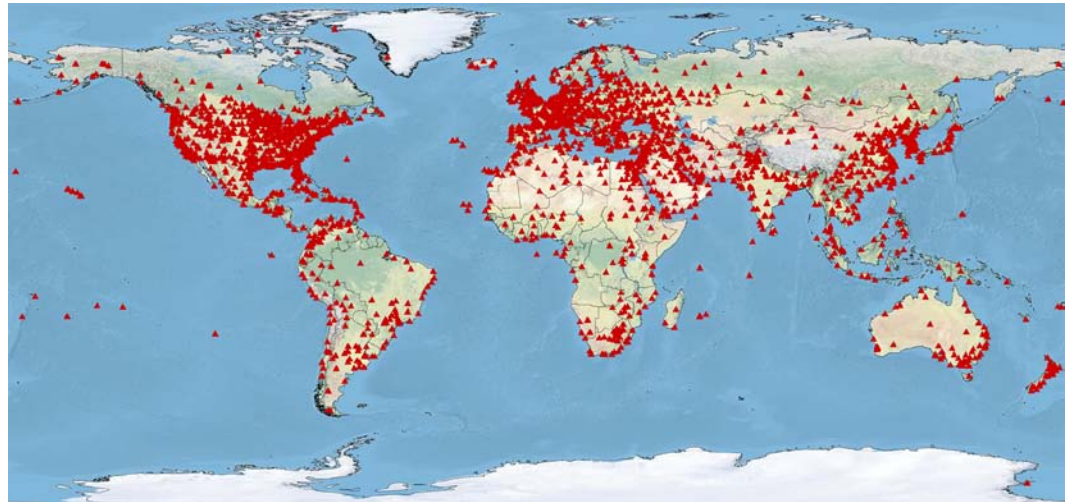
» Simple Access

GeoEye 3D Airports can be delivered in a variety of formats. Using EyeQ online access capabilities, airport operators will be able to use intuitive web services to access and share airport data.



Over 3,500 Airports Mapped Worldwide

This map shows locations of airports mapped by GeoEye for our commercial, civil and military customers. The table shows the number of airports mapped by region.



ICAO Regions	Mapped Airports
Americas	
North America	1,150
South America	183
Central America/Caribbean	85
Middle East/Africa	
Europe	944
Middle East/North Africa	282
Africa	188
Asia/Pacific	
Southeast Asia	366
Asia	177
Australia/New Zealand	127

For More Information

Contact us for detailed product information, or to learn more about how GeoEye can meet your airport mapping needs.

☎ 800.232.9037 / International +1.703.480.5670 🌐 GeoEye.com

👤 Contact Your GeoEye Sales Representative

