

Urban3D

The Powerful 3D Urban Site Modeling Solution

OVERVIEW

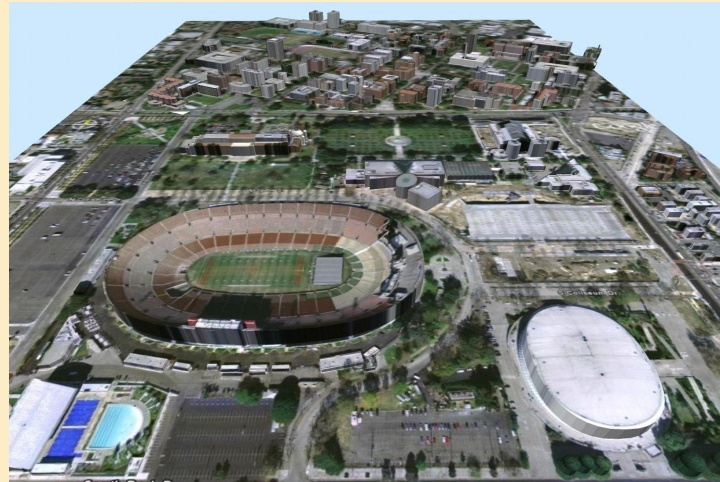
The Urban3D is a state-of-the-art software solution for rapid creation of 3D urban models from imagery and range sensing data. New breakthroughs in computer graphics and modeling algorithms give Urban3D advantages in speed and ease of use. Urban3D operators easily model complex building shapes and rooftops and then apply high-resolution images as façade textures, all in an integrated environment.

FEATURES

- ❑ Rapid fusion of aerial lidar, aerial imagery, and ground imagery to construct accurate 3D models of urban scenes
- ❑ Advanced data processing and tessellation algorithms preserve geometric topology and completeness of 3D models
- ❑ Innovative model fitting and refinement technology produces building models with a variety of irregular shapes and structures
- ❑ Rapid merge and calibration of images for producing high-quality building façade textures
- ❑ Customizable control and interface provides flexible and abundant editing functions suitable for varying data sources and requirements

APPLICATIONS

Urban3D is a powerful and flexible solution for both integration with existing systems modeling systems or as a stand-alone application. Urban3D produces large-scale models for urban planning, land assessment and management, geographic information systems (GIS), utility services, surveillance, security, and military applications.



CONTACT INFORMATION

Sentinel AVE is an innovative technology company that offers expert solutions and services for civilian and defense industries.

<http://www.sentinelAVE.com>