

OVERVIEW

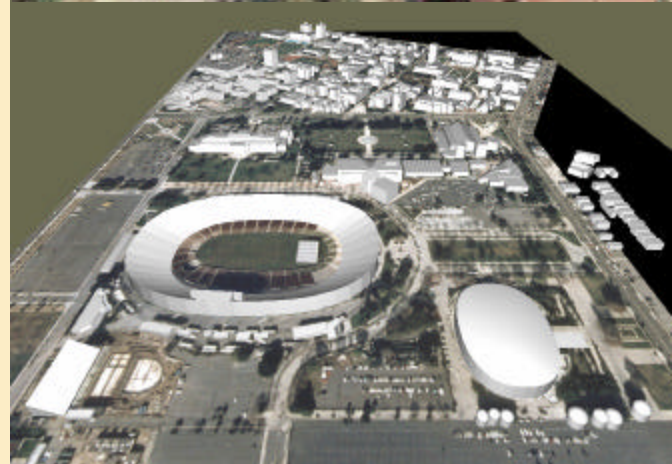
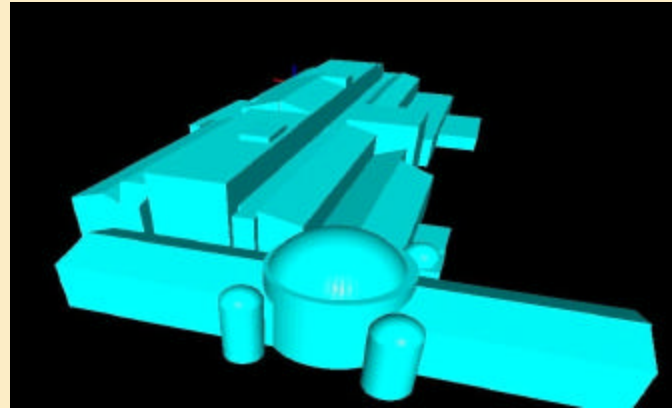
The V-Urban3D is a state-of-the-art software solution that facilitates the rapid and reliable creation of large-scale 3D urban models from range sensing data. Based on the latest computer graphics and modeling technologies, the V-Urban3D offers many superexcellent features over existing systems, including true 3D urban site reconstruction, rapid extraction and modeling buildings with a variety of irregular shapes and rooftops, and accurate geometry model refinement, etc. - all performed in an integrated environment.

FEATURES

- Automatic acquiring and processing raw point-cloud data to reconstruct accurate 3D mesh models and DEM of urban scenes
- Advanced 3D data processing and tessellation approaches preserves geometric topology and completeness of reconstructed models
- Innovated model refinement technology produces building models having geospatial-correction and visual reality
- Hierarchical model fitting and representation enables modeling linear and high-order geometry objects with a variety of irregular shapes and structures
- Customizable control and interface provides flexible and abundant editing functions suitable for varying data sources and requirements

APPLICATIONS

V-Urban3D is a powerful and flexible solution suitable for both integration development to enhance user existing systems and end-user practical applications of producing large-scale urban models at modest cost, such as urban planning, land and facility assessment and management, geographic information system (GIS), utility services, situational awareness and security, and military applications.

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