

Autodesk® LandXplorer® Products

Model infrastructure change.



Better Planning. Better Design. Better Results.

Leverage existing investments in software and data by aggregating geospatial, civil engineering, computer-aided design (CAD), building information modeling (BIM), and utility network data in a single digital model. Use Autodesk LandXplorer products to help improve decision making, lower costs, view and share changes, and avoid the expense of creating physical models.

Cities, utilities, property developers, and the public are all seeking a better way to experience, understand, and collaborate on infrastructure projects and urban design. Imagine being able to experience more real-world project scenarios and share them with stakeholders before construction. Whether you need to create models of small- or large-scale city and infrastructure projects, Autodesk® LandXplorer® products provide you with visualization tools to help you make better decisions throughout the design lifecycle.

The Autodesk LandXplorer products help you to:

- **More easily realize additional ROI on existing data and software** by leveraging your existing investments in Autodesk® design software and data. Aggregate different levels of geospatial (GIS), civil engineering (CAD), building (BIM), and utilities detail in a single model.
- **Reduce the cost of the design process** by minimizing the need for costly physical models.
- **Enable design stakeholders to explore and interact with 3D city and infrastructure models** by sharing visualizations and creating a common environment that helps foster collaboration.

Autodesk LandXplorer Studio Professional

Autodesk® LandXplorer® Studio Professional software helps make it easier to create, manage, and distribute digital city models; infrastructure models; landscape models; and virtual 3D environments. With help from Autodesk LandXplorer Studio Professional, build more accurate and visually compelling models and create presentation-quality video and imagery to share with stakeholders.



Figure 1: Incorporate detailed 3D building models along with data prepared in AutoCAD® Map3D software into your city model to better illustrate affected residential buildings within 100 meters of a proposed development.



Figure 2: Create more informative city models by combining scanned maps with detailed building models.



Figure 3: Aerial view of a digital city model of Berlin.

Discover. Comprehend. Decide.

With help from Autodesk LandXplorer products, you can more easily create and explore digital city and infrastructure models to better conceptualize and visualize design projects before they are built.

Autodesk LandXplorer Server

Autodesk® LandXplorer® Server software provides more dynamic visualizations of large-scale, 3D city and infrastructure models over the web. Model data is processed with Autodesk LandXplorer Studio Professional and published to the web using LandXplorer Server where it can then be shared with internal and external audiences, helping to provide project reviewers, stakeholders, and team members with the ability to view and gather information about proposed infrastructure and urban development and renovation plans using a standard web browser.



Figure 4: Combine GIS data prepared in AutoCAD Map 3D software and roads designed in AutoCAD® Civil 3D® software to better visualize a proposed highway interchange.

Display, Explore, and Share City Models

Autodesk LandXplorer Server and Autodesk LandXplorer Studio Professional can help provide several advantages for planning changes to the built and natural environment. Using these products to construct a 3D model of a project can help you to better conceptualize and visualize design projects before they are built. LandXplorer products can minimize the need for costly physical models of projects and enable you to view and highlight changes on screen. You will be better able to effectively share ideas and scenarios with stakeholders by creating videos, high-resolution scene renderings, and panoramas of your project. And the ability to incorporate numerous sources of data helps to more accurately visualize infrastructure and illustrate the impact that infrastructure change, urban planning, tourism, or economic development projects have on a city and the surrounding environment.



Figure 5: Thematically represent buildings with high occupancy levels within areas zoned as residential using data held within the model.

Publish and share city models more easily

Autodesk LandXplorer Xpress Viewer

With help from Autodesk® LandXplorer® Xpress Viewer software, you can more securely and rapidly share your city and infrastructure models, with customizable functionality, in packaged LandXplorer Xpress Viewer project files. Navigate and explore the model and search points of interest. Measure straight-line distances and create snapshots, panoramas, and videos of the model. Autodesk LandXplorer Xpress Viewer is available as a free* download from www.autodesk.com/landxplorer.

Autodesk LandXplorer CityGML Viewer

With help from Autodesk® LandXplorer® CityGML Viewer software, view CityGML data sets without licensing additional software. Autodesk LandXplorer CityGML Viewer is available as a free* download from www.citygml.org.

Autodesk LandXplorer Publisher

With help from Autodesk® LandXplorer® Publisher software, share visualizations with key stakeholders more rapidly by publishing digital city models to KML format for use in Google Earth™ or Microsoft® Virtual Earth® applications. Autodesk LandXplorer Publisher is available as part of Autodesk LandXplorer Studio Professional.

Cities, utilities, property developers, and the public are all seeking a better way to experience, understand, and collaborate on infrastructure projects and urban design. With help from Autodesk LandXplorer products, stakeholders from the public, city government, construction, and business communities can work together to visualize infrastructure projects before they are built.

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