

# Autodesk® Infrastructure Design Suite

The flexibility to innovate in one  
cost-effective package.



Rendering of an infrastructure model including roadway, railroad, bridge overpass, electrical utilities and water utilities with survey data provided by Wigan Council, a government agency in the UK. Designed in AutoCAD® Civil 3D® software. Rendered in Autodesk® 3ds Max® Design software.

Autodesk®

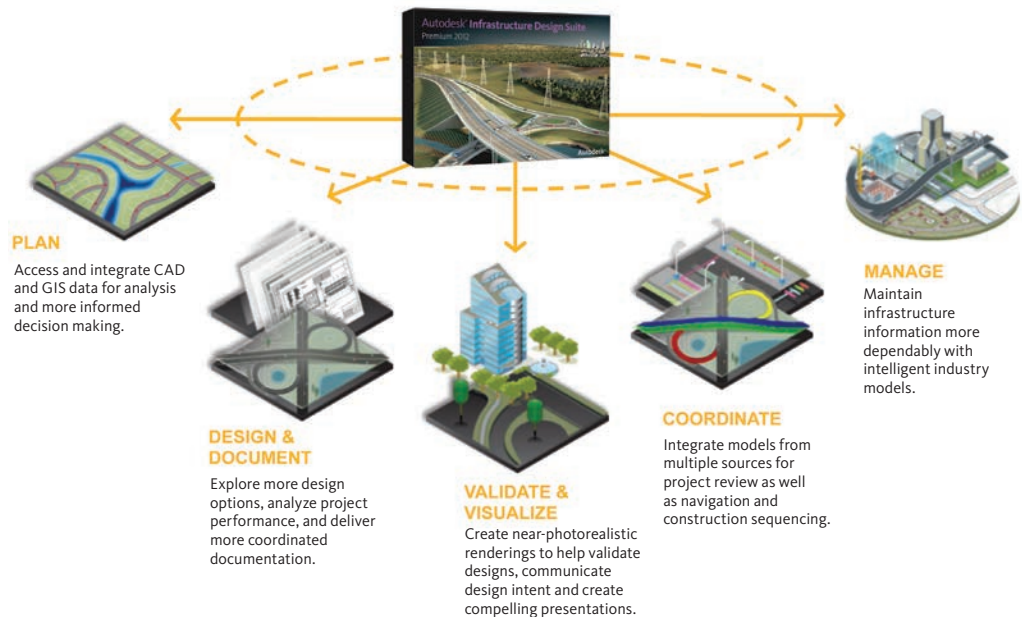
# Plan. Design. Build. Manage. All with BIM for Infrastructure.

Autodesk® Infrastructure Design Suite is a comprehensive Building Information Modeling (BIM) solution for planning, designing, building, and managing infrastructure projects. Get the flexibility to innovate now in a single economical and convenient purchase.

## Are you facing these issues?

- Are your potential risks and costs rising due to projects being planned, designed, and built without consistent and coordinated information?
- Is having data in multiple locations and formats making it difficult to evaluate existing conditions?
- Are inefficient means of sharing information causing duplication of efforts and lost time?
- Are you not realizing the full benefits of model-based design, including visualization, simulation, and analysis?
- Are you finding it difficult to get stakeholders to understand how designs will appear and perform in the real world?
- Are your teams finding it difficult to create compelling exhibits for building stakeholder approval and winning new work?
- Is the cost of your project going up because design problems are discovered after breaking ground?

Learn how Autodesk Infrastructure Design Suite can help you overcome these issues to help improve your business at [www.autodesk.com/infrastructuredesignsuite](http://www.autodesk.com/infrastructuredesignsuite).



With help from Autodesk Infrastructure Design Suite, you can realize the benefits of BIM for Infrastructure. Whether you are working on transportation, land, water, or energy projects, BIM is an intelligent model-based process that can provide insight, helping you take your projects from concept to completion, faster, more economically, and with less environmental impact. Three editions of the Autodesk Infrastructure Design Suite are available to meet your particular business needs: Standard, Premium, and Ultimate.

### Plan

With Infrastructure Design Suite Standard, you can plan your projects with greater confidence and help inform critical design decisions earlier in the process. Broad access to CAD and geographic information system (GIS) data helps you develop a better understanding of existing conditions. And geospatial analysis capabilities can help you gain insight into project feasibility and impact.

### Design & Document

Infrastructure Design Suite Premium helps you design and document more productively with intelligent model-based technology that streamlines time-consuming design tasks with specific tools and configurable standards. Improve the performance of your project with integrated analysis capabilities, including quantity takeoff and comprehensive storm and sanitary analysis.

### Validate & Visualize

Help tell the story behind your designs with integrated visualization capabilities. With the Premium edition you can automate the process of turning civil data into more accurate, near-realistic visualizations with a “push-button” easy workflow. Help validate designs, communicate design intent, and create compelling presentations for winning more work.

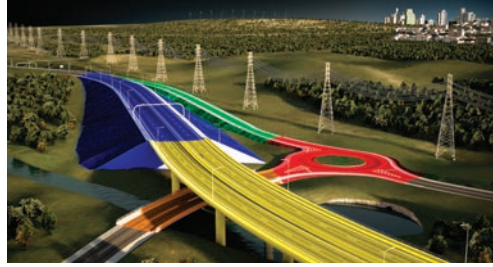
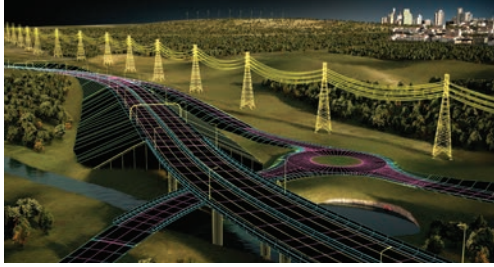
### Coordinate

Most infrastructure projects require extensive coordination with other engineering disciplines. With the Standard and Premium editions, you can integrate models from the extended team to improve coordination. And by moving to the Ultimate edition, you can also identify potentially costly conflicts before breaking ground.

### Manage

With all editions of the Infrastructure Design Suite, you can manage your infrastructure information more dependably with intelligent industry models that help you maintain data quality standards and better support future decision making for operations, maintenance, and capital planning.

# Model-based design, analysis, visualization, and simulation.



Autodesk Infrastructure Design Suite offers a comprehensive solution for planning, designing, building, and managing infrastructure projects at an exceptional value.

**AutoCAD®** software provides powerful design and documentation tools, extensive customization options, and native DWG™ support to take infrastructure projects further.

**AutoCAD® Map 3D** software is a model-based infrastructure planning and management application that provides broad access to CAD and GIS data, helping geospatial and planning professionals make more informed design and management decisions.

**AutoCAD® Civil 3D®** software brings the power of BIM to infrastructure projects to help civil engineering professionals stay coordinated, more easily and efficiently explore design options, analyze project performance, and deliver consistent, higher-quality documentation.

**Autodesk® Storm and Sanitary Analysis** software\* is a comprehensive hydrology and hydraulic analysis application for planning and designing urban drainage systems, highway drainage systems, storm sewers, and sanitary sewers.

**Autodesk® 3ds Max® Design** software helps you create near photorealistic renderings and animations to tell the story behind designs. Dynamically link to civil data, validate designs, and better communicate project intent.

**Autodesk® Navisworks® Simulate** software provides advanced tools for review and coordination of project information. Comprehensive 4D simulation and animation capabilities enable better design insight and predictability. Real-time navigation combined with review toolsets supports collaboration among the project team.

**Autodesk® Navisworks® Manage** software\*\* is a comprehensive review solution for analysis, simulation, and coordination of project information. Multidisciplinary design data can be combined into a single integrated project model for interference management and clash detection. Navisworks Manage helps design and construction professionals anticipate and avoid potential problems before construction.

\*Autodesk Storm and Sanitary Analysis is included with AutoCAD Map 3D 2012 and AutoCAD Civil 3D 2012.

\*\*All of the capabilities of Autodesk Navisworks Simulate are included in Autodesk Navisworks Manage.

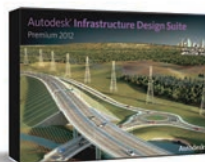
## Autodesk Infrastructure Design Suite helps you:

- Bring multiple types of data together into a single view to better understand project impact and help inform design and management decisions.
- Gain greater insight into planning, design, and construction with integrated analysis capabilities to better predict project outcomes.
- More easily accommodate design changes with synchronous design and drafting.
- Create compelling renderings to help communicate design intent and better understand projects in real-world surroundings.
- Help increase visibility into constructability, cost, and schedules.
- Manage your infrastructure information more dependably with intelligent industry models that help you maintain data quality standards.



### Autodesk Infrastructure Design Suite Standard

- AutoCAD
- AutoCAD Map 3D
- Autodesk Storm and Sanitary Analysis
- Autodesk Navisworks Simulate



### Autodesk Infrastructure Design Suite Premium

- AutoCAD
- AutoCAD Map 3D
- Autodesk Storm and Sanitary Analysis
- Autodesk Navisworks Simulate
- **AutoCAD Civil 3D**
- **Autodesk 3ds Max Design**



### Autodesk Infrastructure Design Suite Ultimate

- AutoCAD
- AutoCAD Map 3D
- Autodesk Storm and Sanitary Analysis
- AutoCAD Civil 3D
- Autodesk 3ds Max Design
- **Autodesk Navisworks Manage**

Autodesk BIM solutions for infrastructure have enabled us to find new efficiencies in our workflows. The integrated software allows us to use our engineering models in new ways, including performing critical analysis, visualizing different alternatives, and supporting machine control during construction.

—Ron Moreno, P.E., P.L.S.  
Senior Associate  
RBF Consulting

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