

MicroStation CONNECT Edition®

Design, Model, and Manage Infrastructure

MicroStation is the instrument professionals rely on to model, document, and manage infrastructure projects – better and faster. More sophisticated than just a tool, this is the solution that enables you to deliver innovative designs and creative visualizations and consolidates critical project elements in a single environment. With MicroStation, you have the power, control, efficiency, and security to reliably deliver the smallest to the largest and most demanding infrastructure projects.

Learn more about how MicroStation enables you to develop and document better designs in less time by better connecting you to your tools, data, and teams.

INTEGRATED MODELING AND DOCUMENTATION WORKFLOWS

MicroStation provides a common environment for comprehensive project delivery and connects users, projects, and your enterprise. With the CONNECT Edition, you now have a personal portal to access learning, communities, and project information. The new project portal gives your project teams the ability to review project details and status, and gain visibility into project performance. Your project team may also wish to take advantage of the connection with iTwin services including Project Performance dashboards, Issues Resolution, and Scenario Services.

DEVELOP BETTER DESIGNS, FASTER

Develop better realized designs with unlimited design freedom made possible by MicroStation's robust modeling capabilities, including the ability to:

Draft in 2D

Develop precise drawings using a comprehensive set of drafting tools to efficiently create 2D geometry. Rapidly progress your designs from concept to completion using persistent constraints to maintain your design intent.

Model in 3D

Develop models in real context with a wide range of 3D modeling tools. Build and edit curve, surface, mesh, feature, and solids models. Build functional and parametric components with predefined variations to simplify managing and finding many similar components.

Develop Comprehensive Model Documentation

Present documentation and related design information within the spatial context of the 3D model to significantly improve their clarity. Embed links to related Microsoft Office documents and websites. Easily navigate from content in one file or model to others.

Analyze and Visualize Models

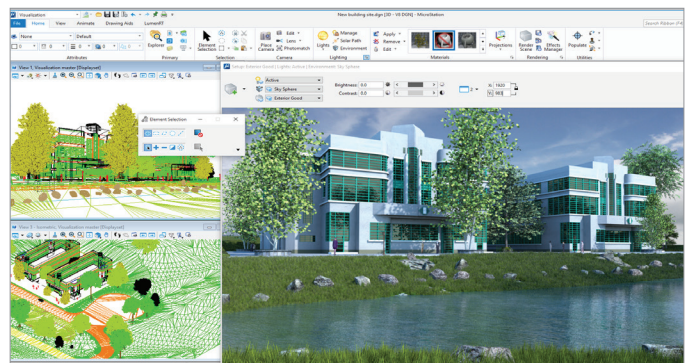
Analyze and visualize models based on their geometry or attributes. Detect and resolve clashes; perform analysis of real-world solar exposure and shading. Apply real-time display styles to visualize models based on each object's height, slope, aspect angle, and other embedded properties.

Accelerate Workflows

Speed design tasks and related workflows with intelligent interactive snapping. Improve productivity with the AccuDraw tool for dynamic data entry with heads-up display. Customize and group tools and tasks and reduce keystrokes with keyboard position mapping and the ability to customize cursor menus.

Secure your Data

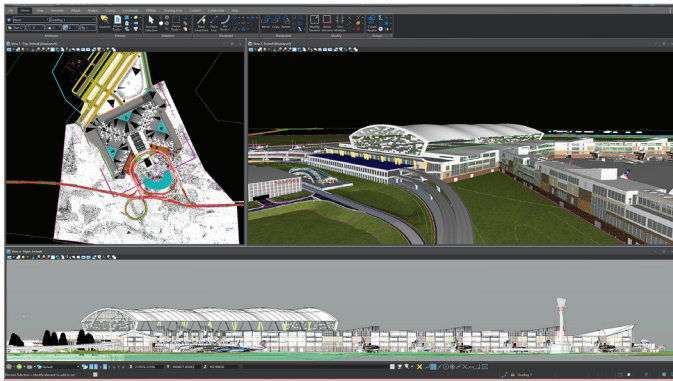
Ensure that only certain individuals can view and/or edit files. You can ensure the integrity of your documents using digital signatures and control the digital rights to view, edit, print, and copy file contents, including a pre-defined expiration date when the file can be accessed.



Create lifelike visualizations using the built-in VUE Rendering engine.

SYSTEM REQUIREMENTS

MINIMUM: Processor: Intel® or AMD® processor 1.0 GHz or greater. Memory: 4 GB minimum, 16 GB recommended
Operating Systems: Windows 11 or 10 (64-bit)/ Windows 11 or 10 (21H2), Windows Server 2019, Windows Server 2016 (64 bit)



MicroStation allows you to manage any kind of infrastructure projects data aligned with the real context

BETTER INFORMED TEAMS

Ensure that all your stakeholders are better informed with clearer communication of designs made possible through intelligent deliverables production capabilities and the power of Bentley cloud services, including the capability to:

Create Animations

Produce realistic movies and simulations from design, construction, and operational models with the built-in VUE rendering engine. Choose from keyframe and time-based animation. Get the results you want, faster, using live on-screen animation previews and distributed network processing.

Create Lifelike Renderings

Create lifelike visualizations using a built-in VUE Rendering engine. Use online and delivered libraries of physically correct materials, lighting, and rich photorealistic content (RPC). Get results faster with distributed network rendering.

Generate Intelligent Documentation

Generate consistent, high-quality paper and digital deliverables such as paper plots, reports, 2D/3D PDFs, and 3D physical models. Automate and speed annotation, display styles, and reports by generating them directly from the embedded properties of objects. This automates and speeds annotation display styles, and visual reports, and gives you confidence that they will always remain in sync with the model during work in progress.

Create Your Digital Twin

Easily start synchronizing your existing designs with an iModel to take advantage of a Digital Twin. Share the Digital Twin with your project team to see the latest revisions and changes to the project.

Review Designs Collaboratively

Work in real-time with your project team members reviewing/tracking/resolving with the Issue Resolution Service. Identify, assign, and review the progress of revisions and changes for any type of issue that arises in the model.

Maintain and Enforce Standards

Ensure the proper application of organizational and project specific standards. Apply templates to control geometry and data standards such as styles for

dimensions, text, lines, detail symbols, and more. Once designs are complete, use automated tools to check drawings for standards compliance.

FREEDOM TO FOCUS ON DESIGN

Enjoy the freedom to focus on design with better integration of information and teams made possible by MicroStation's interoperable and scalable platform, including capabilities to:

Geospatially Locate Projects

Integrate geospatial information from hundreds of supported coordinate systems into your designs. Access data from OGC Web Map Servers, use real-time GPS data, Microsoft Bing maps, and create and reference geospatial PDFs.

Incorporate Common Design Formats

Easily read, share, and consume precise data in key industry formats such as Autodesk®'s RealDWG™ (share and consume), IFC (read), Esri SHP (read), and more. Aggregate and assemble multiple file formats including PDF, U3D, 3DS, Rhino 3DM, IGES, Parasolid, ACIS SAT, CGM, STEP AP203/AP214, STL, OBJ, VRMLWorld, SketchUp SKP, and Collada.

Incorporate Referenced Design Content

View and work with design information from others in real-time using live referencing of 2D/3D DGN, DWG, and large image files, refreshed on demand. You can even natively reference PDF files into your designs.

Integrate Point Clouds

Easily incorporate a wide range and scale of point-cloud data into the design environment. "Visualize, render, and measure point-cloud data to better understand existing conditions and speed dimensioning and modeling.

Integrate Raster Imagery

Easily incorporate raster imagery of all types, including aerial and satellite imagery, and scanned documents. Choose from dozens of supported file formats including CALS, BMP, TIF, GeoTIFF, JPG, and many more.

Integrate Reality Meshes

Incorporate realistic, photo-textured 3D models or reality meshes into your designs. These highly realistic models can be used directly in the design environment as the basis for your design and construction modeling for faster and better quality models.

Manage Design Changes

Track and easily understand changes made to design files, even at the component level, throughout their lifecycle. View, plot, and selectively roll back any individual changes made throughout the history of a file.

Work in a Personalized Environment

Confidently work in the right context for each project because the required settings and standards are automatically applied. Take advantage of personalized recommendations to help you get the most from your use of the software.

Extend and Customize Workflows

Streamline your workflow and integrate with enterprise systems using a wide range of available tools to customize the user interface. Develop solutions using Microsoft (VBA), .NET, C++, C# as well as user-defined macros.