Bentley®
Advancing Infrastructure

CONNECT Edition

MicroStation PowerDraft®

Drafting Software for Your Most Demanding Projects

Design and Document Quickly and Accurately

With MicroStation PowerDraft, you have the power to design, document, and detail projects of any size or complexity. Whether you are an architect, engineer, constructor, or GIS professional, you can use MicroStation PowerDraft as a companion to any modeling or CAD design application. More than just computer-aided-drafting software, MicroStation PowerDraft enables you to develop and produce precise and rich physical and electronic deliverables easily and reliably.

You can develop and document 2D CAD designs with an unmatched range of powerful, intelligent drafting and constraints tools. Unlike other technical drawing software, MicroStation PowerDraft enables you to produce polished drawings, schedules, and reports directly from 3D and BIM models. You can also automatically annotate and build reports based on object properties and take models further by producing intelligent 3D PDFs.

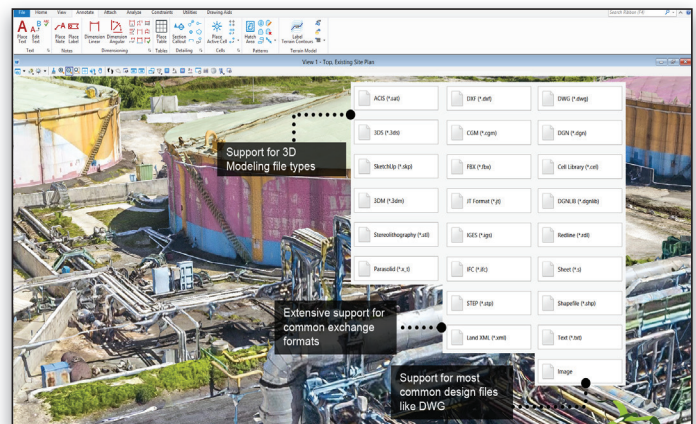## Integrated Modeling and Documentation Workflows

The CONNECT Edition 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. You can also share personal files including i-models and PDFs directly from your desktop with other users, or stage them for easy access from a Bentley mobile app, such as Navigator Mobile. With the new project portal, your project teams can review project details and status, and gain visibility into project performance. With the CONNECT Edition, your project team may also wish to take advantage of the new ProjectWise® Connection Services including Project Performance Dashboards, Issues Resolution, and Scenario Services.

Interoperate with Every Stakeholder

You can bring your project information and teams together by incorporating and exchanging drawings, models and design data in virtually any format, including vector geometry, raster data, point clouds, and much more.

Incorporate Common Design Formats

Easily share and consume precise data in key industry formats such as Autodesk®, RealDWG™, DGN, IFC, Esri SHP, 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.

Use and precisely incorporate design data in nearly any format.

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. You can visualize, and measure point-cloud data to improve your understanding of 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 Google Earth KML, 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.

Geospatially Locate Projects

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

Design and Detail with Precision

Design 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.

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.

Develop Hypermodels
Present documentation and related design information within the spatial context of an existing 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.
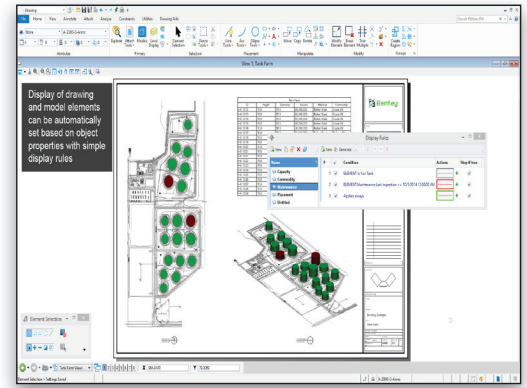
Manage Design Changes
Track and easily understand changes made to design files, even at the component level, throughout their lifecycle. View, plot, and selectively roll back any individual changes made throughout the history of a file.

Automate Common Tasks
Speed design tasks and related workflows with intelligent interactive snapping. Improve productivity with AccuDraw 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 quickly customize cursor menus.

Control and Protect Files
Ensure that only certain individuals can view and/or edit files within a pre-defined time limit. 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.

Automate the production of intelligent deliverables by leveraging object properties to control the display of objects.

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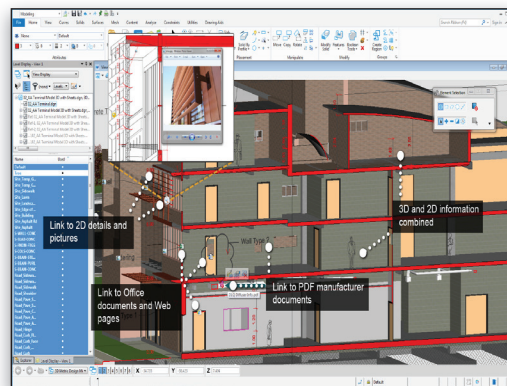
Generate Intelligent Documentation
Generate consistent, high-quality paper and digital deliverables such as paper plots, reports, and 2D/3D PDFs. Automate and speed annotation, display styles, and reports by generating them directly from the embedded properties of objects. This automates and speeds annotation,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

Publish i-models
Exchange project models and information using i-models. With i-models, you can implement unique and powerful workflows for information sharing, distribution, and design review. These workflows can be further enhanced using ProjectWise and other products and services that leverage the power of i-models.

Review Designs Collaboratively
Create and exchange digital markups of designs with built-in tools. You can easily mark up models and drawings with redlines and comments and manage them through a markup dashboard.

Create traditional drawings as well as rich 2D/3D deliverables like hypermodels.