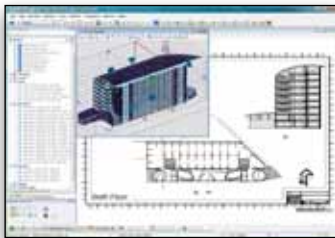




MicroStation® V8i

A Software Foundation for Infrastructure Design

MicroStation V8i is used by engineers, architects, GIS professionals, constructors, and owner operators to design, model, visualize, document, map, and sustain infrastructure projects. MicroStation V8i is their preferred software foundation because it delivers an integrated and proven set of intuitive, interactive, and highly interoperable capabilities to the desktop.



Simplify 2D drawing composition

Interoperability Support

MicroStation V8i provides project teams with a single software product which delivers significant interoperability advantages. MicroStation V8i enables users to overcome many DWG reuse challenges and extend the value of DWG data by integrating all DWG and DGN content in one place. Users can aggregate and reuse 3D models from multiple software products, and work much faster with large raster files to speed project completion.



Geo-Coordinate project information

Intrinsic Geo-Coordination

MicroStation V8i's new geo-coordination capabilities enable project teams to accurately and quickly coordinate project information from multiple sources, stored in multiple file formats, using multiple coordinate and grid systems. Using MicroStation V8i geo-coordination tools, project teams can easily and accurately attach vector and raster reference data inside the same file. MicroStation V8i includes OGC Web Map Server support and concurrently integrates real-time GPS information inside the same MicroStation design environment.



Visualizing project designs

Interactive Dynamic Views

MicroStation V8i's dynamic views help project teams simplify 2D drawing composition and enhance 3D modeling and visualization experiences. With dynamic views users can slice and filter models to see only what is needed and maintain a fully coordinated set of 3D models and 2D deliverables across projects. Because the views in MicroStation V8i are "dynamic," they are all updated immediately when the model is changed. Dynamic Views are optimized for both centralized and distributed teams to interactively compose 2D drawing sheets from plans, sections, and elevations.



Produce intelligent 3D PDFs

Integrated Print Organizer

MicroStation V8i, with print organizer, enables teams to enforce corporate CAD standards when plotting drawings using

print styles, to assemble hybrid plot sets that consist of DGN, DWG, raster and other vector files in 2D and 3D formats, to produce identical paper and PDF copies of drawings with the push of a button, and to eliminate time-consuming and expensive manual processes through plot automation and batch printing.

Intuitive Design Modeling

MicroStation V8i's intuitive design modeling tools satisfy project teams' 3D modeling requirements with a single software product. Using MicroStation V8i, teams can intuitively and interactively build and edit models faster. They can also aggregate and assemble geometry from multiple software sources to save time and money, and – using Generative-Components® inside MicroStation – can now create smarter geometry to explore more design options in less time.

“Saving time and working faster are really what it is all about.”

– Wm Saunders Partnership LLP | WSP

Iterative Luxology Rendering

MicroStation V8i's near-real-time photorealistic Luxology rendering enables project teams to gain project stakeholder buy-in, validate the fit and finish of a project, and secure funding for design alternatives.

MicroStation V8i can – at the push of a button – produce the very highest quality images using preconfigured settings to better balance speed and quality. Project teams can now deliver incredibly realistic interior and exterior views using lighting and textures that mirror project reality like never before.

SYSTEM REQUIREMENTS

Processor:

Intel Pentium or AMD Athlon

Operating System:

Windows 7, Windows 7 x64, Windows Vista, Windows Vista x64, Windows XP Professional (SP2 or later), Windows XP Professional x64, Windows XP Home Edition (SP2 or later), Windows XP Tablet PC Edition, Windows Server 2003 (SP1 or later), Windows Server 2003 x64

RAM:

512MB memory minimum, 2GB recommended

Hard Disk:

900MB free disk space minimum

Find out about Bentley at: www.bentley.com

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Global Office Listings

www.bentley.com/contact



MicroStation V8i At-A-Glance

Design Productivity

- Group tools and tasks with customizable interface
- Employ a comprehensive set of drafting and detailing tools
- Use AccuDraw® for dynamic input with heads-up display
- Speed production with intelligent and interactive snapping
- Reduce keystrokes with Keyboard Position Mapping
- Create customizable cursor menus
- Navigate through file history
- Batch convert multiple formats

Interoperability Support

- Trusted DWG support with Autodesk RealDWG
- Object enabler support
- Ability to aggregate and assemble multiple file formats including: DWG, DXF, PDF, U3D, 3DS, IGES, Parasolid, ACIS SAT, CGM, STEP AP203/AP214, Collada, Rhino 3DM, VRML World, Google Earth KML, SketchUp SKP, ESRI SHP, STL, OBJ Files
- Ability to view and manipulate point cloud data

System Administration

- Microsoft MSI installers streamline deployment
- Pooled licensing via SELECTserver

3D Design Modeling

- Build and edit solid, surface, mesh, and feature models
- Intuitively push, pull, drag, cut, & extrude 3D geometry
- Create 3D print-ready models
- Model geometry, capture relationships, and create forms parametrically using GenerativeComponents
- Use models from Google 3D Warehouse and many other sources
- Detect and resolve clashes*
- Simulate schedules dynamically (supports Microsoft Project and Oracle's Primavera)**

Geo-Coordination

- Support for 100s of geospatial coordinate systems
- Geospatial Referencing using multiple coordinate systems
- Simple AEC coordinate transformation for buildings
- OGC Web Map Server support
- Geospatial PDFs referencing
- Google Earth integrations
- Real-time GPS device support

Photorealistic Rendering

- Near-real-time Luxology rendering
- Point-and-shoot physically correct materials and lighting libraries
- Multi-core support for 32-bit processors
- Rich online photorealistic content (RPC)
- Distributed/networked rendering

Powerful Animation

- Keyframe & time-based animation
- Live on-screen animation preview
- Luxology-powered for speed and realism
- Timeline and velocity graph
- Distributed/networked processing

Printing and Plotting

- Create, manage, and navigate plot sets with print organizer
- Control print settings using print styles
- Batch print multiple drawings
- Publish intelligent 2D/3D PDFs using genuine Adobe PDF formats

CAD Standards Management

- Use DGN libraries to manage all styles for dimensions, text, lines, detail symbols and display
- Control drawing composition content and workflow
- Integrate CAD standards using element templates
- Manage CAD standards with configurable checking tools
- Leverage Citrix XenApp certification for product installation support

Dynamic Views

- Coordinate 3D models & 2D drawings automatically
- Drag and drop plans, elevations and sections to create documentation
- Slice & filter 3D models to improve interactive visualization
- Update drawings automatically when models change
- Update all annotation dynamically

References

- Reference 2D/3D DGN, DWG and large image files
- Attach versioned files using design history
- Attach PDF files as a reference

Large Image File Support

- Supports 50+ image file formats
- Support for multi-page PDFs
- Support for multiple wavelet compression formats

Design Review

- Review and mark up designs with redline comments
- Manage markups and review workflows with markup dashboard
- Publish i-models for design review workflows

Change Management

- Record all changes with design history to enable revision control
- Roll back design file changes from any work session
- Compare and plot design file changes

Project Coordination

- Dynamically update all annotation
- Create link sets to manage references to Microsoft Office documents
- Navigate from content in one file or model to others using hyperlinks
- Publish intelligent PDFs that retain all hyperlink intelligence

Digital Security

- Confirm file status and approvals using digital signatures with 2048-bit public/private keys
- Control digital rights to view, edit, print and copy file content
- Pre-define expiration dates for design files

Workgroup Collaboration

- ProjectWise® integration for reference file and workspace management, and title block integration
- Integrated design file versioning
- Microsoft SharePoint integration

Application Extensibility

- Customizable user interface
- User-defined macros
- Support for Microsoft (VBA) .NET, C++, C#, and Bentley MDL
- Universal database connection

Graphics Performance

- DirectX graphics technology
- Display style system
- PANTONE, RAL, & NCS color books
- Element transparency, display priority, and gradient fills

iWare for MicroStation

- Bentley DGN IFilter indexes content of DGNs for fast searching in Windows
- Bentley DGN Thumbnail Provider generates thumbnails in Windows Explorer

* Requires ProjectWise Clash Resolution Visa license

** Requires ProjectWise Schedule Simulation Visa license