

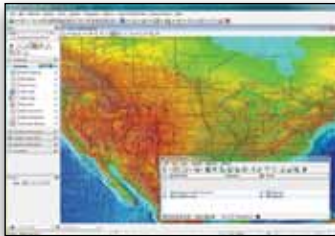
MicroStation® V8i

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 suite of intuitive, interactive, and highly interoperable capabilities to the desktop.



Simplify 2D drawing composition



Geo-Coordinate project information



Visualizing project designs



Produce intelligent 3D PDFs

Interoperability Support

MicroStation V8i provides project teams with a significant interoperability advantage from a single software product. With MicroStation V8i users can 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 the time to project completion.

Intrinsic Geo-Coordination

MicroStation V8i and its 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's 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 underlays and concurrently integrates real-time GPS location information inside the same MicroStation design environment.

Interactive Dynamic Views

MicroStation V8i and dynamic views help project teams simplify 2d drawing composition and 3d modeling and visualization experiences. With dynamic views users can slice and filter models to see only what's needed in view 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 also help teams interactively compose 2d drawing sheets from plans, sections, and elevations that are optimized to scale well across distributed teams.

Integrated Print Organizer

MicroStation V8i and the newly Integrated Print Organizer enables teams to enforce corporate CAD standards when

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

Intuitive Design Modeling

MicroStation V8i and its intuitive design modeling tools equip project teams to satisfy their 3D modeling requirements with a single software product. Using MicroStation V8i teams can intuitively and interactively build and edit models faster. Teams can aggregate and assemble geometry from multiple software sources to save time and money, and – using GenerativeComponents® inside MicroStation – every user can now create smarter geometry to explore more design options in less time.

"Saving time and working faster is really what it is all about."

– Wm Saunders Partnership LLP | WSP

Iterative Luxology Rendering

MicroStation V8i and its new near real-time photo-realistic 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 pre-configured 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 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

ABOUT BENTLEY

Bentley Systems, Incorporated is the global leader dedicated to providing comprehensive software solutions for sustaining infrastructure. Architects, engineers, constructors, and owner-operators are indispensable in improving our world and our quality of life; the company's mission is to improve the performance of their projects and of the assets they design, build, and operate. Bentley sustains the infrastructure professions by helping to leverage information technology, learning, best practices, and global collaboration – and by promoting careers devoted to this crucial work.

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MICROSTATION V8i AT-A-GLANCE

Design Productivity

- Customizable interface to group tools and tasks
- Comprehensive set of drafting and detailing tools
- AccuDraw for dynamic input with heads-up display
- Intelligent and interactive snapping
- Keyboard Position Mapping
- Customizable cursor menus
- File history navigation
- Batch convert multiple formats

Interoperability Support

- Trusted DWG support with Autodesk® RealDWG™
- Object Enabler support
- Aggregate and assemble multiple file formats including: DWG, DXF, PDF, U3D, 3DS, Rhino 3DM, IGES, Parasolid, ACIS SAT, CGM, STEP AP203/AP214, STL, OBJ, VRML World, Google Earth KML, SketchUp SKP, Collada, ESRI SHP Files

References

- Reference 2D/3D DGN, DWG and many other vector files
- Attach large image files as reference files
- Attach versioned files using Design History
- Attach PDF files as a reference

3D Design Modeling

- Curve, surface, mesh, feature, and solids modeling in a single solution
- Intuitively push, pull, drag, cut, & extrude 3D geometry
- Create 3D print-ready models with easy to use tools
- Model geometry, capture relationships, and create forms parametrically using GenerativeComponents
- Use models from Google 3D Warehouse and many other sources

Photo-realistic Rendering

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

Powerful Animation

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

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 tools

CAD Standards Management

- Manage dimension, text, line, detail symbols, and display styles with DGN Libraries
- Drawing composition content and workflow control
- Element Templates integrate CAD standards with Tasks
- CAD standards quality checking tools

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
- Automated drawing updates when models change
- Update all linked annotation dynamically

Geo-Coordination

- Support for 100's of global geospatial coordinate systems
- Geospatial Referencing using multiple coordinate systems
- Simple AEC coordinate transformation for buildings
- OGC Web Map Server support
- Geospatial PDF creation and reference
- Google Earth integration
- Real-time GPS device support

Large Image File Support

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

Project Coordination

- Dynamically-update all annotation
- Create Link Sets to manage relationships between DGN, DWG, PDF and Microsoft Office documents
- Navigate from content in one file or model to others using hyperlinks
- Publish intelligent PDFs that retain all hyperlink intelligence

Change Management

- Design History enables revision control by recording all changes
- Roll back design file changes from any work session
- Compare and plot design file changes

Digital Security

- Digital Signatures with 2048-bit public/private keys
- Digital signatures confirm file status and approvals
- Control digital rights to view, edit, print and copy file content
- Pre-define content access expiration dates

Design Review

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

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 define 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

System Administration

- Microsoft Windows, Vista, and XP logo compliance
- Microsoft MSI installers for streamlined deployment
- Pooled licensing via SELECTserver