Bentley Map PowerView V8i (SELECTseries 3)  
Powerful, Extensible GIS for the World’s Infrastructure

Bentley Map® PowerView is a desktop GIS product for viewing and light editing. It is designed to address the unique and challenging needs of organizations that map, plan, design, build, and operate the world’s infrastructure. Bentley Map PowerView can be used for 2D and 3D feature modeling workflows as well as viewing and redlining.

Available in Three New Versions to Support Different Workflows
Bentley Map is now available in three versions for different geospatial workflows. Bentley Map PowerView supports viewing and light editing, Bentley Map supports 2D and 3D editing and analysis, and Bentley Map Enterprise supports advanced image management and long transactions in Oracle Spatial without the need for server connection.

Oracle Spatial and Microsoft SQL Server Spatial Support
View and import Oracle Spatial, SQL Server and web feature service (WFS) data directly. This provides users with a seamless and intuitive access to spatial data from a variety of sources.

Intelligently Create Geospatial Objects
Bentley Map PowerView includes advanced 2D and 3D design productivity innovations to create and maintain engineering-quality spatial data. Geospatial objects can be intelligently created with ease using interactive snapping tools. Bentley Map PowerView also includes dimensioning, annotation, raster display and editing, printing, publishing, and much more. Features are created by the administrator and include placement methods, properties, customized domain lists, automatically generated import forms and more. The resulting project presents the end user with a simplified interface to quickly create complete and accurate geospatial objects.

Presentation Capabilities
The software also includes tools to create thematic maps, annotation, and more.

Tools for Redlining and Markup
Bentley Map PowerView can be used for viewing and markup of Bentley Map files as well as other GIS formats. It can also be used to do light editing and feature acquisition in the field or in the office.

Improved Interoperability for Shorter Design Time
Users can leverage the tools in Bentley Map PowerView to improve interoperability with other GIS formats. They can directly reference from the Bentley Map interface Esri SHP files, MapInfo TAB files, Oracle Spatial data, SQL Server Spatial data, ODBC, WFS, WMS, 3D PDF, i-models, and others.

Feature Symbology Synchronized With Attribution
Bentley Map PowerView also includes tools to promote simple geometries to intelligent features with full attribution. The product ensures that feature symbology and annotation remain synchronized with attribution.

Extended API for Speedy Customization
Bentley Map PowerView is also designed with a remarkable degree of flexibility and configurability so that subject matter experts can customize it without having to write new code. An API is available to create more advanced applications.
Bentley Map PowerView At-A-Glance

Mapping and Infrastructure GIS
- Compile and edit data efficiently
- Design, build, and publish accurate maps and infrastructure models
- Enforce business and topological rules
- Bring CAD accuracy, ease of use and efficiency to GIS
- Work seamlessly with Bentley’s AEC applications

All the Power of MicroStation®
- Smart, quick drawing, and editing of GIS features in a MicroStation environment
- Raster management
- AccuSnap, AccuDraw®
- Display priority, transparency
- Coordinate system assignment and on the fly re-projection
- Point-cloud viewing

Map Manager
- Easy-to-learn interface to your spatial data
- Intuitive, easy-to-use, persisted map definitions
- Drag-and-drop layers to control display order
- Control all aspects of map display
- Automatic creation of thematic map from template

XML Feature Modeling
- XML metadata-driven GIS
- Extensible

- Property-based symbology and annotation
- Convert simple elements to smart GIS features

Geospatial Administrator
- Manages the XFM framework through one interface
- Runs outside MicroStation
- Defines and maintains XFM project files
- Defines features, properties, and the tools used to build those features

Choice of Data Stores
- Three-tier connection to Oracle Spatial
- Three-tier connection to Esri ArcGIS
- Self-contained XFM DGN files
- Any RDBMS/DGN supported by MicroStation

Data Capture and Maintenance
- Polygon parallel creation
- Dynamic domain lists

Presentation Tools
- Thematic display
- Dynamic labeling

Spatial Data Access
- Import and query SQL Server Spatial database
- Import and query Oracle Spatial database
- Import and query web feature service (WFS) sources
- SQL Server Spatial – read-only

Data Analysis
- Direct data access (DDA)
- Automatic geo-location of feature instances *

Viewing and Redlining
- Set view only or redline mode
- Markup maps and DGN files with redline tools
- Original source documents are not modified

Interoperability
- Direct reference geospatial formats
- Import of MapInfo (TAB, MID/MIF), Shapefiles, Oracle Spatial, CSV, GML, and ODBC sources
- Oracle Spatial viewing
- Direct reference attach GIS data formats (Microsoft SQL Server Spatial)
- Import of Microsoft SQL Server Spatial database
- Spatial data streaming
- WFS client - read (query) access

GIS Development Platform
- Utilize Open API
- Develop via C expressions, XSLT, VBScript

*Only applies to Direct Data Access (DDA) graphical source connections (e.g., Oracle Spatial, SQL Server, WFS etc.).