![Bentley Sustaining Infrastructure]

Bentley Map PowerView V8*i* (SELECTseries 4)
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 feature modeling workflows as well as viewing and redlining. It is also a cost-effective platform ideal for developing custom GIS applications specific to your needs.

Support for Leading Spatial Databases

View and import Oracle Spatial, Microsoft SQL Server, Esri File Geodatabase and Web Feature Service (WFS) data directly. This provides users with seamless and intuitive access to spatial data from a variety of sources.

Intelligent Geospatial Objects Creation

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, 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 as a cost effective way to do light editing and feature acquisition in the field or in the office.
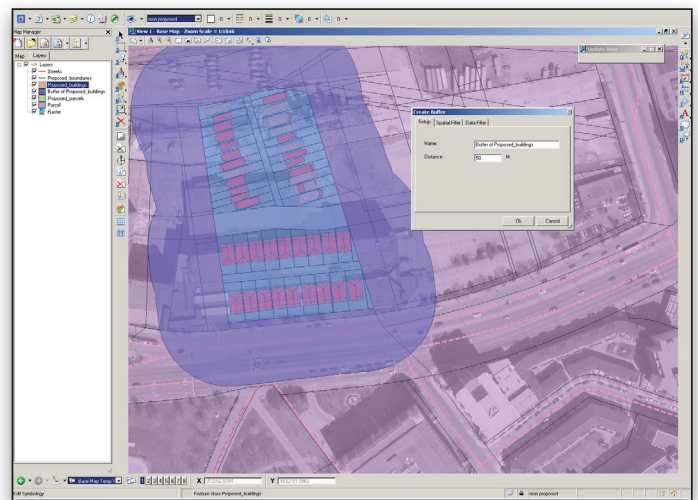
Buffer of proposed buildings showing transparency.

Improved Interoperability

Users can leverage the tools in Bentley Map PowerView to improve interoperability with other GIS formats. They can directly reference from the Bentley Map PowerView interface Esri SHP files, MapInfo TAB files, ODBC, WMS, Google KML/KMZ, 3D PDF, i-models, and others.

Symbology Synchronized With Attribution

Bentley Map PowerView has administrative tools to define features, attributes, symbology, behavior, and placement tools. It also includes tools to promote simple geometries to intelligent features with full attribution. The product ensures that feature symbology remains synchronized with attribution.

Extended API

Bentley Map PowerView is also designed with a remarkable degree of flexibility and configurability so that subject matter experts can customize it. Bentley Map has an extensive API supporting custom application development using C/C++, C# .NET and other modern programming languages.

Bentley Map PowerView At-A-Glance

Mapping and GIS
- Compile and edit data efficiently
- Build and publish accurate maps and infrastructure models
- Enforce business and topological rules
- Brings CAD accuracy and ease-of-use to GIS

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

Map Manager
- 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
- Property-based symbology and annotation

- Convert simple elements to smart GIS features
- Easily adopt XFM schema for imported or legacy data through Dynamic Feature Scoring

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
- Directly reference and import from Oracle Spatial, SQL Server Spatial, and Esri File Geodatabase
- Self-contained XFM DGN files
- Any RDBMS/DGN supported by MicroStation

Geographic Coordinate Systems
- Custom datum/ellipsoid
- Create custom grid/graticule definitions
- Integrated alternate coordinate system (ACS) input and readout

Presentation
- Thematic display
- Dynamic labeling
- Automatic geo-location of features instances*

Interoperability
- Direct reference and import geospatial formats such as: MapInfo (TAB, MID/MIF), SHP files, CSV, GML, and ODBC sources
- Publishing of Bentley's i-models with RDBMS properties
- Spatial data streaming
- Web feature service client - read (query) access

GIS Development Platform
- Utilize Open API
  » C/C++
  » C#
  » NET other modern programming languages

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