

**Bentley**<sup>®</sup>  
Advancing Infrastructure

 CONNECT Edition



## Bentley Map PowerView

Engineering-quality 2D GIS and Mapping Software

Bentley Map<sup>®</sup> 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. It is also a cost-effective platform ideal for developing custom GIS applications specific to your needs.

### The CONNECT Edition

The SELECT<sup>®</sup> CONNECT Edition includes SELECT CONNECT services, new Azure-based services that provide comprehensive **learning, mobility, and collaboration** benefits to every Bentley application subscriber. *Adaptive Learning Services* helps users master use of Bentley applications through CONNECT Advisor, a new in-application service that provides contextual and personalized learning. *Personal Mobility Services* provides unlimited access to Bentley apps, ensuring users have access to the right project information when and where they need it. *ProjectWise<sup>®</sup> Connection Services* allow users to securely share application and project information, to manage and resolve issues, and to create, send, and receive transmittals, submittals, and RFIs.

### Support for Leading Spatial Databases

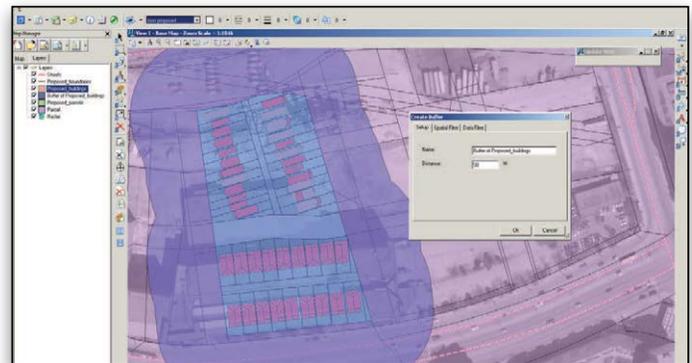
View and import Oracle Spatial, SQL Server, Esri file geodatabase and web featureservice (WFS) data directly. This provides users with seamless and intuitive access to spatial data from a variety of sources.

### Intelligent Geospatial Objects Creation

Bentley Map PowerView includes advanced 2D 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 capabilities to create thematic maps, annotation, and more.



*Buffer of proposed buildings showing transparency.*

### Field Access

Bentley Map PowerView supports GPS and editing capabilities, making it ideal for field based operations requiring feature editing. Additionally, Bentley Map PowerView offers support for the Bentley Map Mobile app for tablets and Bentley Map Mobile Publisher, which together provide mobile workers access to rich Bentley Map project information, allowing them to make better informed decisions in the field.

### 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, Oracle Spatial, ODBC, WMS, Google KML/KMZ, Esri file geodatabase, 3D PDF, iModels, SQL Server Spatial, and others.

### Symbology Synchronized With Attribution

Bentley Map PowerView has administrative capabilities 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 without having to write new code.

## System Requirements

### Operating System (64-bit)

Windows 10, Windows 8.1, Windows 8, Windows 7

### Virtualized Environments

Citrix XenDesktop 7.6 using Microsoft Windows Server 2012 R2

### Processor

Intel Pentium-based or AMD Athlon-based processor 2GHz or greater

### Memory

1GB minimum, 2GB or more recommended (more memory typically results in better performance)

### Connectivity

Internet connectivity is required to use some of the features of the product and installation of software pre-requisites.

### Disk Space

5GB minimum free disk space.

**Find out about Bentley at: [www.bentley.com](http://www.bentley.com)**

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# Bentley Map Enterprise At-A-Glance

## Mapping and GIS

- Compile and edit data efficiently
- Build and publish accurate maps and infrastructure models
- Enforce business 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
- MapInfo (TAB, MID/MIF), SHP files,

Oracle Spatial, CSV, GML, Esri file geodatabase, SQL Server Spatial, and ODBC sources

- Spatial data streaming
- Web feature service client - read (query) access

## Image Editing

- Clean up and vectorize scanned documents
- Convert, edge match and rectify many formats of aerial imagery
- Rectify and texture 3D models with digital photographs
- Display DEMs in various shading modes
- Publish to Bentley Map Mobile

## GIS Development Platform

- Utilize Open API

## Field Access

- Support for Bentley Map Mobile and Bentley Map Mobile Publisher
- Android and iOS Tablets, Windows
- Fast access to large geospatial databases
- Easy to use with standard tablet based gestures
- GPS integration
- Google and Apple Maps integration
- Disconnected, view-only operation for access without a network connection

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