

Bentley[®]
Advancing Infrastructure

CONNECT Edition



OpenCities™ Map PowerView

Software for viewing and light editing of 2D assets

OpenCities Map PowerView is for users that primarily need to view and perform light 2D feature acquisition and editing. It supports GPS and editing capabilities, making it ideal for field-based operations requiring feature editing. OpenCities Map PowerView also allows querying of leading spatial databases such as Oracle Spatial, Microsoft SQL Server, Esri File Geodatabase, and Web Feature Service (WFS) data directly. Moreover, the application uses a strong, yet flexible, application program interface (API) for developing custom GIS applications.

The CONNECT Edition

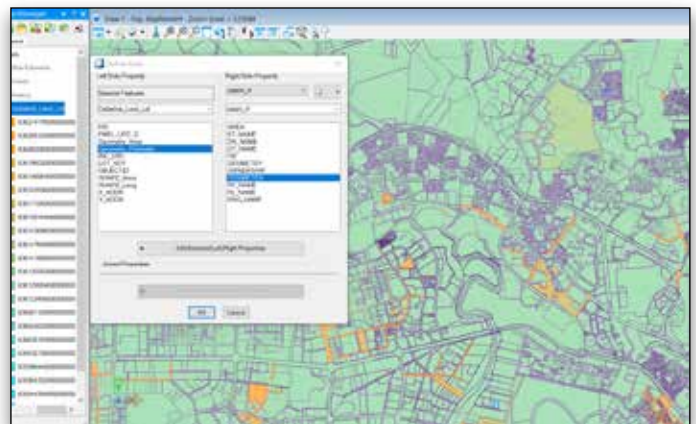
The SELECT[®] CONNECT Edition includes SELECT CONNECT services, new Azure-based services that provide comprehensive learning, mobility, and collaboration benefits to every Bentley application subscriber. Adaptive Learning Services helps you master the use of Bentley applications through the CONNECT Advisor, a new in-application service that provides contextual and personalized learning. Personal Mobility Services provides unlimited access to Bentley mobile applications, ensuring you have access to the right project information when and where you need it. ProjectWise[®] Connection Services allows you to securely share application and project information, to manage and resolve issues, and to create, send, and receive transmittals, submittals, and requests for information (RFIs).

Support for Leading Spatial Databases

View and import Oracle Spatial, 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 and Presentation Capabilities

OpenCities 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 capabilities. OpenCities 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 you with a simplified interface to quickly create complete and accurate geospatial objects. The software also includes capabilities to create thematic maps, annotation, and more.



Buffer of proposed buildings showing transparency.

Field Access

OpenCities Map PowerView supports GPS and editing capabilities, making it ideal for field-based operations that require feature editing. Additionally, OpenCities Map PowerView offers support for the OpenCities Map Mobile app for tablets and OpenCities Map Mobile Publisher. Both provide mobile workers access to rich OpenCities Map project information to facilitate informed decision-making in the field.

Improved Interoperability

You can leverage the capabilities in OpenCities Map PowerView to improve interoperability with other GIS formats. A variety of file formats can be directly referenced from the OpenCities Map PowerView interface, including Esri SHP files, MapInfo TAB files, Oracle Spatial, ODBC, WMS, Google KML/KMZ, Esri file geodatabase, 3D PDF, iModels, and SQL Server Spatial.

Symbology Synchronized with Attribution

OpenCities Map PowerView has administrative capabilities to define features, attributes, symbology, behavior, and placement capabilities. Also, the software can promote simple geometries to intelligent features with full attribution. The product ensures that feature symbology remains synchronized with attribution.

Extended API

OpenCities 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

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OpenCities Map PowerView 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

All the Power of MicroStation®

- Smart and fast drawing and editing of GIS features
- Raster management
- AccuSnap, AccuDraw®
- Display priority, transparency
- Coordinate system assignment and on-the-fly reprojection

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

Geospatial Administrator

- Manages the XFM framework through one interface
- Runs outside MicroStation
- Define and maintain XFM project files
- Define features, properties, and the capabilities 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 (The GCS must be defined in OpenCities Map or Enterprise)

Presentation

- Thematic display
- Dynamic labeling
- Direct data access (DDA)
- Automatic geolocation 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

GIS Development Platform

- Utilize open API

Field Access

- Support for OpenCities Map Mobile and OpenCities Map Mobile Publisher
- Supported on 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.).*