



OpenCities[®] Map PowerView

Software for Viewing and Editing 2D Assets

OpenCities Map PowerView enables you to view map assets and perform light 2D feature acquisition and editing. It supports GPS and editing capabilities, making it ideal for field-based operations that require feature editing. OpenCities Map PowerView enables direct querying of and imports from leading spatial databases, such as Oracle Spatial, Microsoft SQL Server, Esri File Geodatabase, ArcGIS Server, ArcGIS Online, PostgreSQL (PostGIS), and Web Feature Service (WFS), providing you with seamless and intuitive access to spatial data from a variety of sources. Moreover, the application comes with the same (API) as OpenCities Map Advanced and OpenCities Map Ultimate. Therefore, it is possible to use OpenCities Map PowerView as a platform to run custom GIS applications developed with OpenCities Map Advanced or OpenCities Map Ultimate.

INTELLIGENT GEOSPATIAL OBJECT CREATION AND PRESENTATION CAPABILITIES

OpenCities Map PowerView includes advanced 2D design capabilities for creating and maintaining engineering-quality spatial data. Geospatial objects can be intelligently created with ease using interactive snapping capabilities. OpenCities Map PowerView also includes dimensioning, annotation, raster

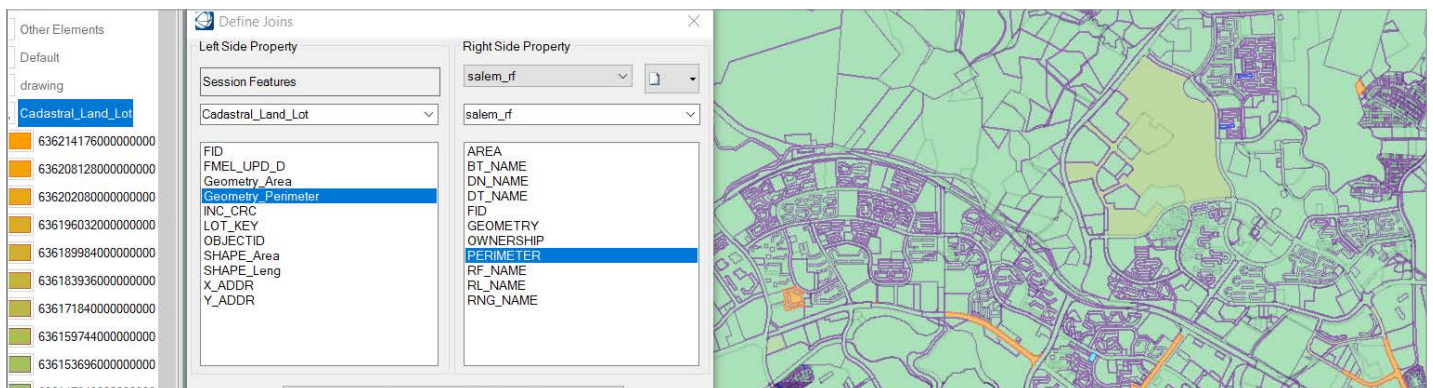
display, printing, and publishing. Features are created by the administrator and include placement methods, properties, customized domain lists, and automatically generated input forms. Projects created by the application have a simplified interface to quickly create complete and accurate geospatial objects. OpenCities Map PowerView also includes capabilities to create thematic map and annotation.

IMPROVED INTEROPERABILITY

You can leverage the capabilities of 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 GML, ArcGIS Server, ArcGIS Online, PostgreSQL (PostGIS), and WFS.

SYMBOLGY SYNCHRONIZED WITH ATTRIBUTION

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



A buffer of proposed buildings showing transparency.

SYSTEM REQUIREMENTS

MINIMUM: Windows 8.1, 10, Server 2012 R2 (64 bit), or Server 2016 (64 bit); Citrix XenApp 7.15 64 bit for virtualized environments, Intel or AMD processor 1.0 GHz or greater, 4 GB memory, 25 GB storage

RECOMMENDED: 16 GB memory, up to 40 GB storage for companion features and applications

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
- ◆ Bring CAD accuracy and ease of use to GIS

MICROSTATION® CAPABILITIES

- ◆ Utilize smart and fast drawing and editing of GIS features
- ◆ Use raster management
- ◆ Display priority and transparency
- ◆ Coordinate system assignment and on-the-fly reprojection
- ◆ Complete clash detection
- ◆ Use the Components Center to access shared libraries of components
- ◆ Create expressions
- ◆ Create text favorites with item type properties

MAP MANAGER

- ◆ Create intuitive, easy-to-use, persistent map definitions
- ◆ Drag and drop layers to control display order
- ◆ Control all aspects of map display
- ◆ Automatically create thematic maps from templates

XML FEATURE MODELING

- ◆ Utilize XML metadata-driven GIS
- ◆ Create property-based symbology and annotation
- ◆ Convert simple elements to smart GIS features

GEOSPATIAL ADMINISTRATOR

- ◆ Manage the XFM framework through one interface
- ◆ Run outside MicroStation
- ◆ Define and maintain XFM project files
- ◆ Define features, properties, and the capabilities used to build those features

THREE CHOICES OF DATA STORES

- ◆ Connect to spatial DB
- ◆ Store data in self-contained XFM DGN files
- ◆ Use any RDBMS/DGN supported by MicroStation

GEOGRAPHIC COORDINATE SYSTEMS

- ◆ Define custom datum and ellipsoid

PRESENTATION

- ◆ Thematic display
- ◆ Dynamic labeling
- ◆ Direct database access (DDA) using the Data Browser
- ◆ Automatic geolocation of features instances

INTEROPERABILITY

- ◆ Direct reference and import of geospatial formats
- ◆ Spatial databases read access (query)
 - ◆ » ArcGIS Server and ArcGIS Online
 - ◆ » PostgreSQL (PostGIS)
 - ◆ » Oracle Spatial
 - ◆ » SQL Server
- ◆ Spatial data streaming
- ◆ Web feature service (WFS) read access (query)

MAP GENERATION AND PRINTING

- ◆ Publish to intelligent PDF and PostScript
- ◆ Solve integrity problems with imported or legacy data
- ◆ Adopt XFM schema for imported or legacy data through dynamic feature scoring

GIS PLATFORM

- ◆ Execute Custom GIS applications developed with OpenCities Map Advanced or OpenCities Map Ultimate