



## Bentley OpenUtilities Map V8i (SELECTseries 4)

Drive efficiency with an intelligent utilities GIS

Map and manage your electric, gas, water, wastewater, or district energy network with Bentley OpenUtilities Map. Save time and money when you maintain your network model in an affordable, full-featured utilities-specific GIS. Improve network management with reports and analysis such as network tracing, leak detection, and outage planning. Increase enterprise efficiency when you publish, manage, and view precise network maps using the embedded power of Bentley Map®.

### Accelerate Layout with Engineering-precision Design Tools

Speed brownfield and greenfield layout with smart tools that produce precise high-quality designs. Leverage intelligent MicroStation®-based design tools from within the built-in Bentley Map-based design editor. Save time with high-precision placement and editing. Achieve the quality you demand without the drawing inefficiency of traditional GIS-based applications.

### Eliminate Rework with Construction-quality Prints

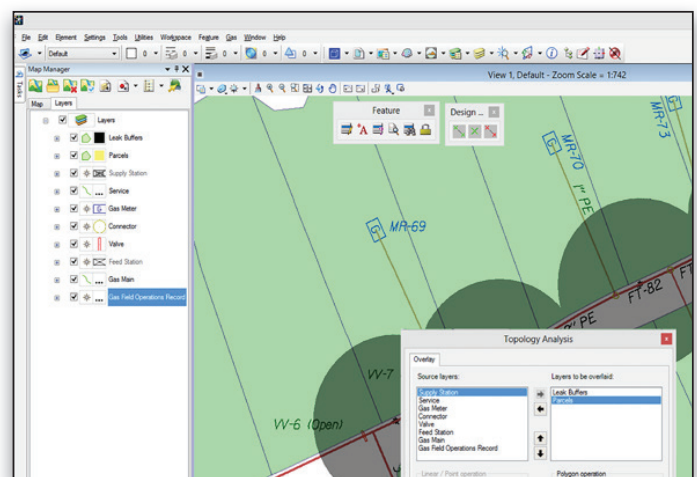
Publish high-quality construction documentation directly from the mapping environment, avoiding the need to redraw layouts in a separate CAD application. Ensure compliance with your construction print standards with support for a variety of paper sizes, printers, and plotters, as well as configurable plotting templates that include imagery, legends, north arrows, plotting to scale, and interactively defined grids and graticules.

### Improve Operations with Network Analysis and Visualization

Create buffers, overlays, joins, thematic maps, dynamic labels, reports, and queries. Perform radial, upstream/downstream, shortest/multiple/redundant path traces for flow, conduit, and cathodic protection networks. Analyze and report on leaks for an area or the entire network.

### Lower Deployment Cost with Pre-configured Data Models

Tailor out-of-the-box commodity-specific data models using simple metadata-based tools to create and manage data structures. Define symbology and rules to match your company standards. Reduce training, deployment, maintenance, and enterprise integration costs with one application for all commodities.



*Improve service with outage planning and reduce operations losses with leak analysis.*

### Promote Data Reuse and Integrity with Support for Leading Spatial Databases

Manage large volumes of 2D and 3D spatial data with direct query from and write to standard Oracle Spatial or Microsoft SQL Server Spatial databases. Share network data across your enterprise and integrate with other operational systems using native formats. Create new projects, study future projects, and consider alternatives while preserving data integrity with short and long transactions as well as multi-user editing.

### Empower Field Staff with Bentley Map Mobile Support

Enable your field staff to work more productively and make better-informed decisions by publishing your utility GIS data to the Bentley Map Mobile app. Use the Bentley Map Mobile Publisher application to define and publish an indexed i-model viewable on tablet devices

## System Requirements

### Processor

Intel® or AMD® processor  
3.0 GHz or greater

### Operating System

Bentley OpenUtilities V8i (SELECT-series 4) supports Windows 7, Windows 8, and Windows 8.1. (32-bit and 64-bit versions.)

### Memory

2 GB of RAM minimum,  
4 GB or more recommended

### Disk Space

2 GB free disk space minimum

### Graphics Card

DirectX 9.0c supported

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

### Contact Bentley

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### Global Office Listings

[www.bentley.com/contact](http://www.bentley.com/contact)

# Bentley OpenUtilities Map At-A-Glance

## Intelligent Industry Standard Data Models

- Electric distribution
- Gas distribution
- Water distribution
- Wastewater
- Support for data model adaptation and modification
- Support for data model creation from scratch

## All the Power of MicroStation

- Smart, quick drawing, and editing of utility network data
- Raster management
- AccuSnap and AccuDraw placement and editing
- Display priority and transparency

## All the Power of Bentley Map

- XML feature modeling
- Geospatial Administrator
- Map Manager
- Geographic coordinate systems tools
- GIS interoperability tools
- Integration with Safe Software's FME
- File and spatial database persistence
- Support for Bentley Map Mobile Publisher

## GIS Analysis

- Buffer creation
- Overlay creation
- Joins
- Thematic Resymbolization
- Dynamic Labeling
- Data Browser (Reporting)
- Query Builder (Search By)

## Network Tracing and Reporting

- Flow, conduit, cathodic protection networks traces
- Radial, upstream/downstream, shortest/multiple/ redundant path traces
- Individual, composite, or cumulative trace reports
- Pre-defined or user defined stop criteria
- Network trace API

## Outage Planner

- Identify dead-ends beyond isolation traces
- Manage planned outage due to maintenance
- Manage unplanned outages
- Identify customers to impacted areas

## Leak Analysis and Reporting

- Leak feature association (individually or in bulk)
- Leak reports by area or entire network

- Cross-tabular reports on pipe size, material, and time
- Export of individual or aggregated results to Map Manager

## Profile Creation

- Profile path definition by trace
- Addition/Removal of features for profile creation
- Individual profile definitions storage for re-use
- Fully configurable using Profile Editor

## Utility Layout and Edit Tools

- Inference Assisted Placement
- Editor tool to modify properties
- Editor tool to modify network relations
- Smart Move utility network features
- Smart Modify utility network features
- Split/Merge utility network features
- Connect/Disconnect from flow network
- Attach/Detach from structural network

## Oracle Spatial Editing

- Fully Oracle Spatial compliant
- Two- or three-tier connection
- Long and short transaction support for safe multi-user editing
- Adherence to native Oracle Spatial feature and topology models

## SQL Server Spatial Editing

- Fully SQL Server Spatial compliant
- Two-tier connection for safe multi-user editing
- Short transaction support for safe multi-user editing
- Adherence to native SQL Server Spatial feature models

## Utility Interoperability (Import/Export)

- Integration with WaterCAD®/WaterGEMS®/HAMMER®
- Export to EPANET
- Integration with SewerCAD®/SewerGEMS®
- Integration with sisHYD multi-utility
- Import MACP survey
- Import PACP survey

## Construction-quality Prints

- WYSIWYG plot generation with user-defined templates and legends
- Publishing to intelligent PDF, PostScript, and other output formats

## Fully Configurable and Customizable

- Model Administrator and Data Loader configuration tools
- .NET language customization, including VBA