



# BENTLEY® GEO WEB PUBLISHER™

## PUBLISHING GEOSPATIAL INFORMATION OVER THE WEB

Bentley Geo Web Publisher is a comprehensive application for the creation and management of web-based geographic data. Use Bentley Geo Web Publisher to create an easy-to-use web interface to disparate data sources for a wide range of applications such as municipal information systems, image or drawing archives, map-based navigational sites, project sites, and public information portals.

### Optimized for Publishing Geospatial Data

Integrated vector and image server engines publish hybrid vector/raster datasets and a wide range of formats, making it easy to incorporate drawings, maps, models, aerial photography, and images within custom browser presentations.

Bentley Geo Web Publisher provides functionality for data integration, web site creation and layout, web site administration and maintenance, as well as end-user tools providing for map navigation, querying, analysis and reporting. There are choices for layout, colors, display controls, tools, and other interface elements as well as map management.

### Data Integration

The Bentley Geo Web Publisher data model facilitates the integration of multiple graphical and non-graphical data sources into one homogenous web interface. Bentley Geo Web Publisher is built upon a publishing workflow optimized for publishing geospatial data. It allows publishing from a broad choice of data sources ranging from DGN, DWG, raster images, and information created by Bentley GIS products to information in relational databases, including Oracle Spatial. Information can be quickly and easily combined into a homogeneous composition. The structure is optimized for organizations like municipal environments where information is highly interrelated.

### Intuitive Tools to Build and Maintain Geospatial Web Sites

Straightforward site authoring and administration tools make configuration quick and allow sites to evolve as needed. The end-user tools for navigation, query, spatial analysis, thematic mapping, and reporting can be fully configured via the handy site author. Share information within your organization, with other organizations, and with

broader public audiences. Bentley Geo Web Publisher publishes information with full fidelity and with optimal performance.

### OGC Web Map Server (WMS) Client or Server

Bentley Geo Web Publisher has implemented the OGC's Web Map Service (WMS) specification. WMS supports the creation and display of registered and superimposed views of information that come simultaneously from multiple remote and heterogeneous sources. The WMS Server allows any WMS client to view information published by Bentley Geo Web Publisher as raster JPEG or PNG files. The WMS Server also supports backdrop transparency and translucency for elements.

### Reporting and Analysis

Powerful end-user functionality is delivered in Bentley Geo Web Publisher. Users can generate reports and perform spatial analysis from the web browser. Various options are available to create efficient queries, both simple and complex.

Open-ended questions as well as streamlined queries can be presented to your end-users, minimizing the amount of time necessary to find information. Reports can be generated from queries, spatial analysis, or by other means such as multiple feature selection. These reports may include multi-tabbed views of textual data and multimedia information as well as downloadable files.

### Map Viewer

An end-user client optimized for enhancing the map experience and ease-of-use is delivered with Bentley Geo Web Publisher. Functions such as tooltips, measure, buffer, and scale are dependent on the data presented, that is, the Map Viewer is "map aware". Enhanced capabilities such as selectable features, scale-dependent display control, and analysis functions are provided with the Map Viewer.



*Publish geospatial data securely and quickly via a Web browser.*



*Easily integrate data from multiple sources into a single web interface.*

## SYSTEM REQUIREMENTS

### Processor

Intel Pentium-based or AMD Athlon-based PC or workstation

### Operating System

Microsoft Windows 2003 Server

### Memory

256 MB (512 MB or more typically results in better performance)

### Hard Disk

1 GB minimum free disk space

### Input Device

Mouse or other Windows pointing device

### Output Device

Most industry-standard devices are supported. Works with output devices supported by Windows

### Video

Windows-supported graphics card

## ABOUT BENTLEY

Bentley Systems, Incorporated is the global leader dedicated to providing comprehensive software solutions for sustaining infrastructure. Architects, engineers, constructors, and owner-operators are indispensable in improving our world and our quality of life; the company's mission is to improve the performance of their projects and of the assets they design, build, and operate. Bentley sustains the infrastructure professions by helping to leverage information technology, learning, best practices, and global collaboration – and by promoting careers devoted to this crucial work.

For more information, visit [www.bentley.com](http://www.bentley.com)

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## BENTLEY GEO WEB PUBLISHER AT-A-GLANCE

### High-Fidelity Publishing

- Publish hybrid vector/raster data from multiple data sources
- Full attribution and complex geometric shapes/forms are easily published
- Original presentation quality
- 3D support
- Transparency and translucency

### Fully-Featured User Environment

- GIS user-friendly
- Spatial navigation
- View control (zoom, pan, and window area)
- Layer controls
- Easy map creation tools
- Scale-based navigation
- Spatial analysis
- Multiple queries
- Reporting
- Print and plot to scale
- Redlining tools

### OGC Web Map Server (WMS) Client or Server

- Bentley Geo Web Publisher acts as a WMS Server
- Bentley Geo Web Publisher acts as a WMS Client
- Support for output of raster images in JPEG and PNG
- Any WMS client can view Bentley Geo Web Publisher maps
- WMS layers can be added via Map Author
- A map layer can be a combination of one or multiple WMS layers
- WMS backdrop transparency
- Support of translucency for elements

### Map Author

- Easy to use tool for creation of maps from the data sources setup in the administration tool

- Simple thematic symbology definition
- Scale navigation setup

### Web Site Author

- Save and reload a web site design project
- Expandable and editable source code
- Designed as a management tool
- Rich and easy query and reports creation tools
- Task-oriented workflow for adding queries and reports

### Client-based Printing

- High-quality prints of any size
- Scale control
- Windows printer support

### File Formats

- MicroStation® DGN files with raster attachments
- MicroStation CEL files
- AutoCAD DWG and DXF files (AutoCAD 2000/2000i/2002 files)
- Bentley Map™ and MicroStation Geographics® projects, including DGN and raster maps
- BMP 1, 4, 8, 24 bits, lined; uncompressed, RLE4 or RLE8
- CALS 1 bit, lined; CCITT Group 4 Compression
- CIT (Type 24) 1 bit, lined, multi-resolution possible;
- CCITT Group 4
- COT (Type 2) 8 bit, lined or tiled, multi-resolution possible; uncompressed
- ECW (ERMapper images)
- FPX 8, 24, 32 Bit, Tiled, multi-resolution; JPEG and single color
- GeoTiff 1, 8, 24 bit, Matrix, ModelTiePoints, ModelPixelScale tags, lined, stripped or tiled, multi-resolution possible; deflate
- CCITT Group 3, CCITT Group 4, packbits and JPEG
- HMR 1, 8 bit, tiled, multi-resolution; CCITT Group3
- CCITT Group4, packbits and deflate
- Image Manager Projects 1, 8, 24, 32
- ImageMapped 4, 8 bit, lined; uncompressed
- Image RGB 24 Bit, lined; uncompressed
- iTIFF 1, 8, 24 bit, stripped or tiled multi-resolution; deflate, CCITT Group3, CCITT Group4, Packbits, RLE and JPEG
- JFIF/JPEG 24 bit, lined; JPEG compression
- PCX 1, 4, 8, 24 bit, lined; uncompressed
- PNG 1, 8, 24, 32 bit, lined; deflate
- PSS 1, 8, 24, 32 Bit
- Raster Manager Projects 1, 8, 24, 32 bit
- RGB (Type 28) 24 bit, line or tiled; uncompressed
- RLC 1 bit, lined
- RLE (Type 9) 1 bit, lined or tiled, multi-resolution possible; RLE compression
- SID (MrSID images)
- Sun Raster 4, 8 bit, lined; uncompressed
- Targa 24 bit, lined; uncompressed
- TG4 (Type 24) 1 bit, tiled, multi-resolution possible;
- RLE compression
- TIFF 1, 8, 24 bit, lined, stripped or tiled, multi-resolution possible; deflate



*A comprehensive and cost-saving tool for sharing information with both public and private audiences.*



*Administration tools provide intuitive control of published data.*