

GeoMedia WebMap

Publish high-performance web applications with a simple click of the mouse



GeoMedia WebMap

GeoMedia WebMap supports a broad range of customers who need to visualise and examine geographic data on the web. From easily creating standards-compliant web services to providing sophisticated visualisation and analysis within interactive web mapping applications, GeoMedia WebMap enables building powerful solutions for sharing your organisation's rich geospatial data.

Publish maps with a click of the mouse

Using GeoMedia as a visual authoring environment, GeoMedia WebMap allows you to publish high-performance web applications with a simple click of the mouse. GeoMedia WebMap enables direct creation of interactive web maps by using the configuration and application creation tools provided in GeoMedia itself, eliminating the need for programming. Configure the layout of the web application interface and create user-defined queries and other components. Publish the Mobile Works for field inspector directly from GeoMedia. Provide direct, real-time access to your geospatial data. Users can view, query and analyse multiple geospatial formats simultaneously, with no pre-publishing or translation required.



WebMap Publisher is built into the Geospatial Portal to provide easy web application creation from a GeoMedia GeoWorkspace.



Geospatial Portal provides a 3D globe capable of rendering base maps, terrain and numerous other data sources in 3D, including those from GeoMedia WebMap.

Real-world benefits of GeoMedia WebMap

- Harness the power of GeoMedia workflows with enhanced GIS data publishing and management
- Organise and manage work of field inspectors and data processing for entire departments or organisations
- Brings the power of geospatial processing to the web
- A powerful engine to process, render and publish vector data in many formats
- Maximises the value of your geographic information
- Fast and easy access to your geospatial data and functionality
- Access and analyse your data anywhere, anytime
- Improves productivity
- No programming expertise required
- Based on industry standards
- Proven performance scalability model

Powerful visualisation capabilities

GeoMedia WebMap utilises Geospatial Portal as an integrated web client for web map publishing and provides the capabilities for users to view, analyse, capture and update geospatial information in 2D or 3D. GeoMedia WebMap Publisher add-on to GeoMedia provides easy web application creation directly from a GeoMedia GeoWorkspace. Use GeoMedia WebMap Essentials to publish powerful websites with the dedicated GeoMedia WebMap Publisher Portal or simplified version of Geospatial Portal-Consumer suitable for public users. Unlock the full functionality of Geospatial Portal-Classical with the Advantage and Professional tiers of GeoMedia WebMap product.

Robust web service support

Support for web service industry standards — including OGC and XML — gives you access to industry-standard web tools. Deliver data with ease into client applications using GeoMedia WebMap's industry-defined web services, including OGC WMS (Web Map Service), OGC WFS (Web Feature Service) and OGC WMTS (Web Map Tile Service). Leverage the power of the web in the mapping environment with web services for query and map generation, feature manipulation, routing, address geocoding, and catalog query.

INSPIRE ready implementation

GeoMedia WebMap implementation follows the Infrastructure for Spatial Information in the European Community (INSPIRE) Technical Guidances and is INSPIRE ready and compatible. The INSPIRE directive establishes an infrastructure for sharing spatial information among public authorities in Europe. With GeoMedia WebMap, customers can set up an INSPIRE view, download, discovery, and coordinate transformation service instances out of the box.

Numerous search engines

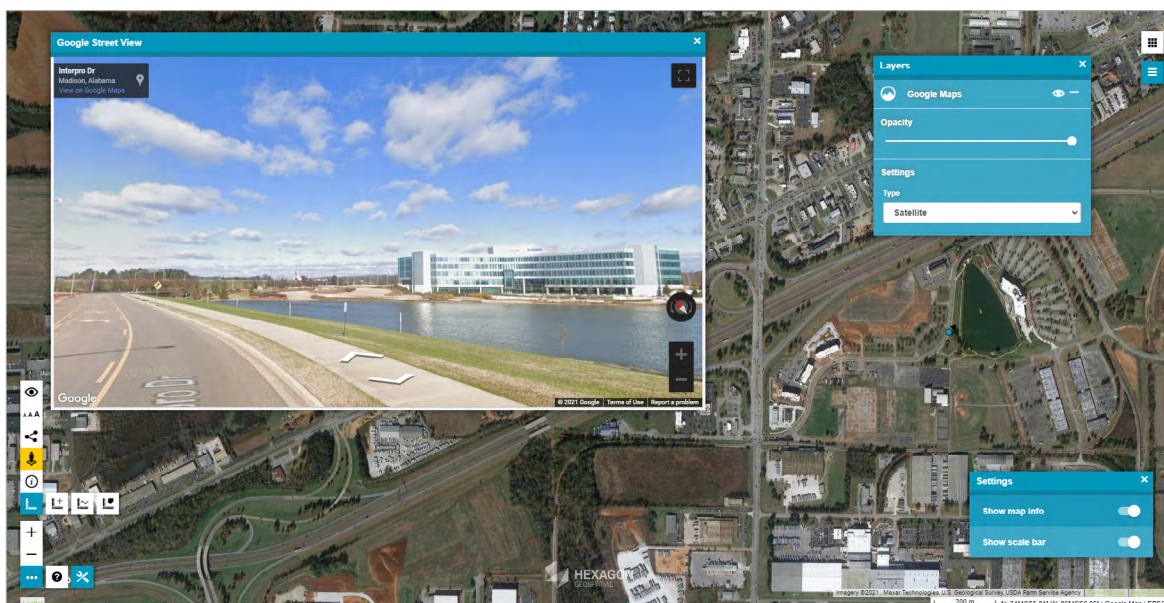
Diverse GeoMedia WebMap search engines provide the ability to choose and configure the best services for particular workflows and bind them with dedicated web applications, for example, Location Utility Web Service for addresses and parcels, WFS-Gazetteer for geographic names search, Oracle search for databases, WMPS search for raster and vector data, or integrated within web apps: Coordinate Search and Google Places Search.

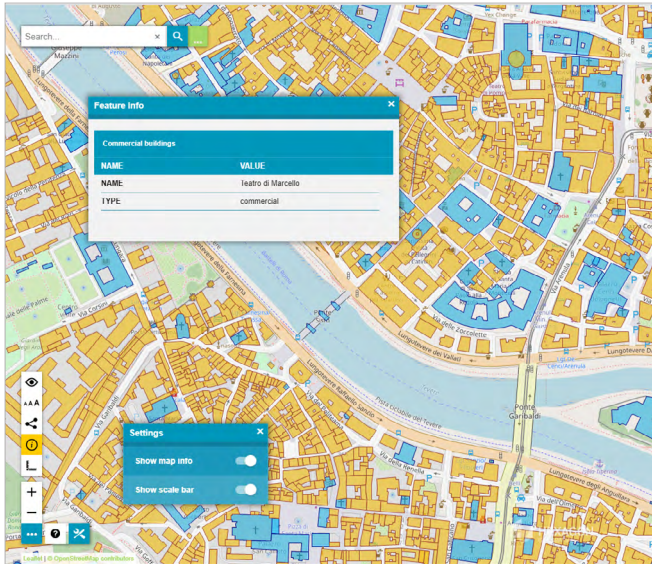
Easy editing

GeoMedia WebMap allows you to manage the entire life cycle of data, from capturing new data, viewing, and analysing existing data, to updating and modifying that data based on your analyses. Capture spatial data in accordance with a central data model and write it directly to GeoPackage, SQL Server, Oracle, PostgreSQL or Microsoft Access. GeoMedia WebMap also facilitates the creation and update of attribute information. Editing capabilities available in the Advantage and Professional tiers are implemented within Geospatial Portal, providing one powerful editing workflow. The industry standard OGC WFS-T is used to edit, update or delete the features in the database.

Integration with Google services

View more, explore more, search for more with integrated Google services. Users of Geospatial and Consumer Portal can display Google Maps layers, explore Google Street View, and search for interesting objects by using Google Maps Places search service. Pins show the search result and feature details can be displayed in the Feature Info dialog. Using Google services allows you to see your GIS data in a wider geographical context. All available Google Map types — roadmap, hybrid, traffic, satellite or terrain — are supported. Google Maps layers and Places search can also be used in the GeoMedia WebMap Mobile app that provides access to users' GIS data and workflows in the field.



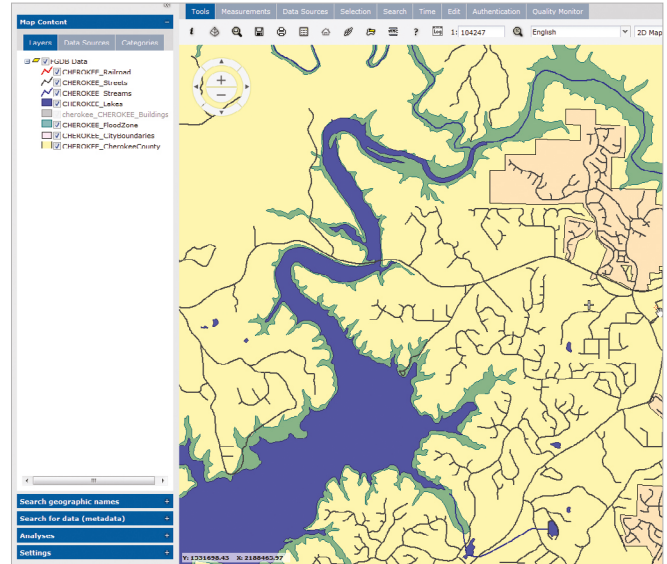


Lightweight Consumer Portal layout focuses on performance and users experience. Organise your workspace your way.

Consumer Portal layout

Consumer Portal is a simplified and user-friendly entry-level layout for non-professional consumers of geospatial data, dedicated to end users who use maps for discovery and visualisation, with minimum clicks required. It is optimised for performance and user experience and takes advantage of the most up-to-date web technologies and standards. The modern and fresh-looking user interface is designed to enhance the most important user workflows with the displayed data, including accessibility features.

Consumer Portal, integrated with Google and other third party services and search engines, allows finding information with minimal effort and better understanding of GIS data by placing it in the appropriate geographical context.



Break down the walls of proprietary services by building websites and web services that natively access Esri File Geodatabase (FGDB) geospatial data, along with many other data types.

Complex spatial analysis

GeoMedia WebMap offers powerful analysis functions that can be combined or used individually. General analysis tools include buffer zoning, spatial intersection, spatial difference, analytical merge, aggregation, join, geocoding, reverse geocoding, and functional attributes.

Advanced GeoMedia WebMap users can perform analyses such as route analysis (including OpenLS routing), proximity analysis and area allocation. GeoMedia WebMap also enables end users to conduct dynamic segmentation and linear analysis quickly and easily over the web. Dynamic segmentation is a powerful tool for analysing tabular data that references linear features on a map and enables you to visualise asset inventory more clearly and efficiently than by reviewing columns of data.

In-depth query capabilities

With real-time links to GIS data warehouses, end users can perform various types of spatial and attribute queries.

Click on a map feature to see database information and export the results to other applications. Simple interfaces make it easy to quickly navigate through large quantities of information on a computer or mobile device.

Server administration

GeoMedia WebMap allows administration of web applications via an integrated, web-based administration console. This console lets administrators manage their servers and web services, as well as websites available on those servers.

Additional server configuration parameters may be modified, and websites/web services can be tested in real time with the click of a button in the Administration Console. Modifications will be immediately available even to end users on mobile devices with internet access.

Customise and extend

The powerful Geospatial Portal SDK lets developers customise portal workflows and experiences using extensive APIs, documentation and reusable code examples. The server-side APIs can also be used to build web applications based on GeoMedia objects.

One connected solution

GeoMedia WebMap connects to Hexagon's geospatial portfolio of products to comprise a seamless, complete solution to geo-enable your enterprise.

Product and interaction

Use GeoMedia as a visual authoring environment to publish high-performance web applications with a simple click of a mouse.

ERDAS APOLLO catalogue integration delivers raster backdrops to complement GeoMedia WebMap's rich GIS capabilities.

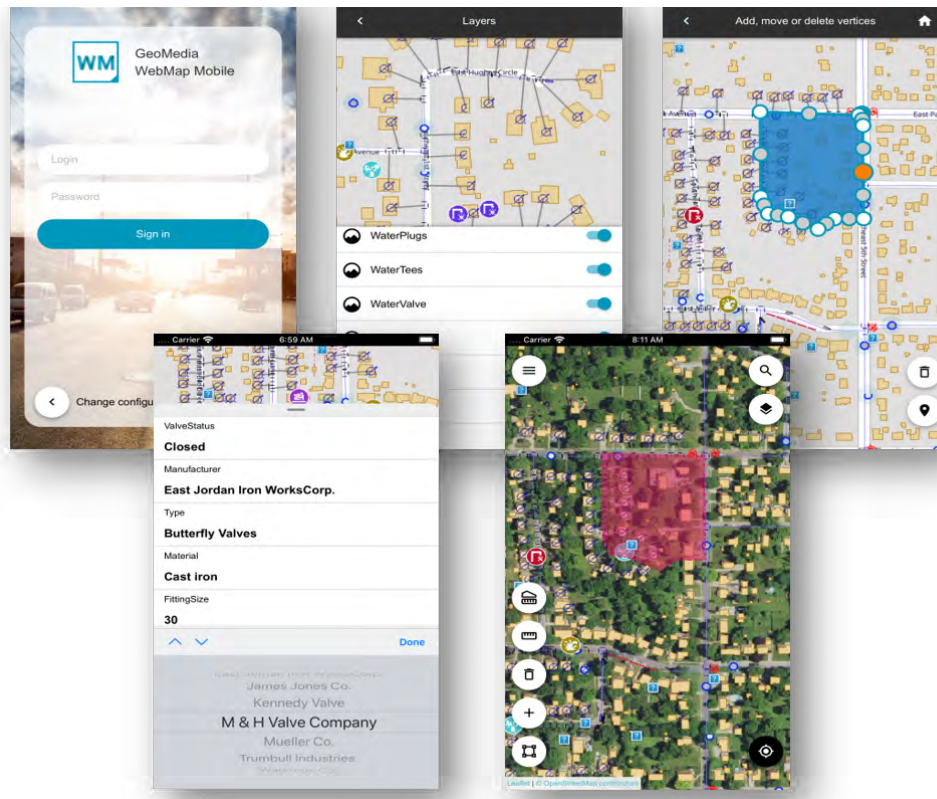
Geospatial Portal is the fully integrated web client providing the ability to view, analyse, capture and update geospatial information in 2D or 3D.

GeoMedia WebMap Mobile is an integrated mobile client for online or offline data editing while working in the field.

Geospatial SDI extends solutions based on GeoMedia WebMap with controlled access to standard compliant services.

Provide access to a wider variety of data types and on-the-fly coordinate transformation capabilities for GeoMedia Smart Client.

Combine the functionality of GeoMedia WebMap with Mobile Alert or Smart M.Apps.



GeoMedia WebMap Mobile

Field workers can easily connect to their organisation's GIS, both in online and offline mode, with GeoMedia WebMap Mobile. In offline mode, this native mobile application provides capabilities to work in areas with no signal and on devices intentionally disconnected from the internet.

GeoMedia WebMap Mobile can be used for many types of field and site inspection workflows, such as pole or vegetation inspection for utilities or public works, traffic light and bridge inspection for transportation authorities, and cell or mobile tower site inspection for communications companies. GeoMedia WebMap Mobile enables you to directly see, edit, validate and update your enterprise GIS data from the field in real time. You can configure mobile applications to specific workflows for personnel and define user permissions. Additionally, you can specify backdrop raster data.

The product supports third party data providers such as Google (Google Maps), Microsoft (Bing Maps), HERE (HERE Maps), OpenStreetMap, and many other overlays of GIS information, and the vector data that a particular user can see and edit.

GeoMedia WebMap Mobile uses OGC-standard web services, making it compatible with many GIS platforms. This means no custom data conversion is required.

GeoMedia WebMap Mobile is available on the Apple Store, Google Play Store, and Microsoft Store.



Hexagon is a global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications. Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Safety, Infrastructure & Geospatial division improves the resilience and sustainability of the world's critical services and infrastructure. Our solutions turn complex data about people, places and assets into meaningful information and capabilities for better, faster decision-making in public safety, utilities, defense, transportation and government.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 21,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at hexagon.com and follow us [@HexagonAB](https://twitter.com/HexagonAB).