

The Issue

What do you do when you need to deliver an Internet or Intranet-based mapping solution where static bitmaps are just not enough?

What happens when you cannot use or cannot afford a map technology from a traditional GIS vendor?

How can you deliver a mapping application that exactly meets specific business objectives without providing lots of functionality that will never be used?

What do you do when you need an inexpensive solution because the business requirements cannot justify the costs of typical GIS software?

How do you take advantage of new XML-based technologies that provide a flexible, almost limitless ability to make maps and make data visually appealing?

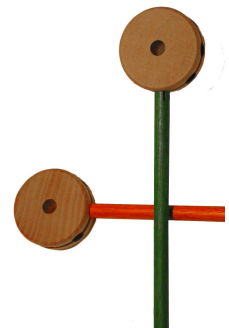
The Solution

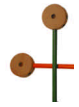
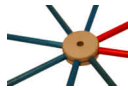
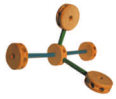
vgMapper. This mapping and spatial analysis engine is based on the use of Scalable Vector Graphics (SVG) as the core technology. This XML-based file format and development language provides the ability to dynamically create high-quality, data-driven vector graphics and deliver this information as part of browser-based solutions.

vgMapper is readily configurable and offers complete flexibility to deliver exactly what end-users are looking for. This includes specific map functionality and the elegant visual rendering of information.

The vgMapper engine can use data managed in any typical GIS software. To provide fast and scalable solution, the storage of map related data has been optimized for efficient rendering of SVG-based data.

vgMapper leverages the core functionality contained in both Oracle 8i/9i and SQL2000. It can be deployed as part of solutions with web servers running either Microsoft's Internet Information Server (IIS) or Apache-based software. As part of a vgMapper-based solution, a SVG viewer (available at no cost from several third parties) must be installed on the client desktop.





Functionality, benefits and specifications

- Provides standard GIS-related functions such as zoom, pan, select, label, information and measure.
- Provides zoom-layering functionality.
- Supports multiple coordinate systems.
- Provides simple thematic mapping functionality.
- Displays the results of text-based searches that create multiple records.
- Integrates directly to the results of text-based searches yielding a single record.
- Enables users to select multiple graphic objects to build a map-based query.
- Leverages the core technology of Oracle 8i/9i.
- Leverages the core technology of Microsoft's SQL2000 product.
- Can be used within applications designed for use on a Microsoft IIS-based web server.
- Can be used within application designed for use on Apache-based web server.
- Integrates raster images stored in a MrSID file format.
- Requires a standard SVG viewer plugin available at no cost from third party vendors such as Adobe.
- Provides edit and data update capabilities within a map interface.
- Displays the same content within different user interfaces.
- Data structure is optimized for spatial queries.
- Output complies with W3C standard for Scalable Vector Graphics (SVG).
- Can apply extensive visual effects such as gradient, transparency, masks and shadows to graphic objects.
- Supports polylines, regions and text objects.
- Uses simple import file format.
- Can be used with data managed by major GIS vendors.



roBott

dbCrawler

srWriter

qaBuilder

vgMapper

A construction set for enterprise application integration