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CARIS

Spatial Fusion Enterprise

Delivering Data for Decision Support

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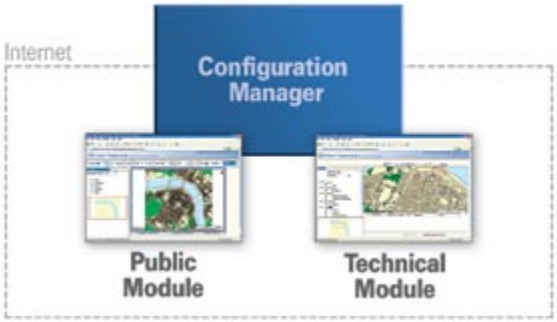
Integrate spatial information with your non-GIS systems to find answers hidden in your data. Through the incorporation of mapping, geospatial analysis and validation into your business environment and processes, you will achieve an expanded understanding of your data for quick, informed decision making.

Expand your Analytic Capabilities

Consider all the types of data your organization collects and stores to support its day-to-day tasks. These may include imagery, statistics, points of interest, reports, maps or infrastructure data. Combining these data resources within a visual mapping environment increases your analytic capabilities exponentially.

CARIS Spatial Fusion Enterprise (SFE) technology creates meaning out of your organization's data. It provides the means to integrate existing data from many sources and formats and introduces geospatial visualization and analysis tools to support strategic short and long-term decision making without unnecessarily impacting your current operational processes.



Access your data through the Web using one of the two deployment modules

Account for Multiple Interests

Within your organization there are a variety of data interests and GIS experience levels. However, all users must be considered when introducing spatial visualization of decision making.

For example, external users may wish to only view points of interest on a map, such as hotels or park areas, while a user in your organization may wish to use the same mapping data to conduct aggressive database queries for asset management or maintenance planning.

The two deployment modules of Spatial Fusion Enterprise enable you to satisfy all of your organization's current and future geospatial data needs:

- *Public Module* is an HTML application typically distributed within the organization or to the general public.
- *Technical Module* is a desktop application that includes common spatial analysis functionality found in traditional GIS systems.

Host Multilingual Online Services

Service delivery in multiple languages is paramount to customer satisfaction in both public and private sector organizations. The multilingual support capabilities of Spatial Fusion Enterprise enables you to meet the evolving and increasing needs for service delivery in multilingual populations and markets.

Manage User Privileges

The data and tools that you distribute through SFE may not be applicable to all users. There may be data that is confidential or proprietary, which can be shared among some user groups and not others. Through the SFE Configuration Manager, you can define user roles, manage user profiles and limit access to application modules, data and system functionality. Based on their roles, users can interact only with the information and tools that are pertinent to their day-to-day processes.

Confidence through Industry Standards

Standards such as the Open Geospatial Consortium, Inc.® (OGC) can optimize your information technology investments. SFE implements the OGC® specifications for Web Map Service (WMS) and Web Feature Service (WFS) so you can easily share your data with other organizations in a format that they can read, while enabling you to connect to external web sites to access and download data. Selecting a standards-based environment such as SFE gives you the functionality you need today without blocking future expansion.

Make No Compromises

Spatial Fusion Enterprise can be customized to meet your needs using standard Web development tools. An extensive Java application programming interface (API) gives you the power to integrate Web-mapping into your existing business logic and processes. Use Java Server Pages (JSP) to tailor the look and feel of your interface.

When you select Spatial Fusion Enterprise, you gain the benefits of merging your data and adding mapping capabilities without needlessly interfering with or altering your current operations.

CARIS Spatial Fusion Enterprise Features

Public Module

- Produce simple HTML reports
- View and select points of interest features
- Export attributes to CSV, Excel, XML, PDF or Report
- Locate a position on a map using Map It URLs
- Access to pre-defined queries
- Optional authentication
- Multi-layer Selection
- User defined and/or Pre-defined Classification
- User defined and/or Pre-defined Quick Maps
- Multimedia links to external documents using points of interest features
- Gazetteer search
- Area and distance calculations
- Point buffers
- User defined text, line and polygon markers
- Pre-defined support for ground, area, depth, height, speed, rate of return and rotation units
- Pre-defined support for target tracking

Technical Module

- Area, distance, bearing and azimuth calculations
- Wizard to generate ad-hoc SQL queries
- On-the-fly classification
- Customizable buffers and spatial analysis
- Create redlining features: points, lines and text
- Produce high-resolution plots of map data
- Generate customizable database reports of selected features
- Export map views as an image: JPG, TIF, PNG or BMP
- Export attribute data as CSV files
- Multimedia links to external documents using points of interest features
- Import waypoints from GPX files directly in the map view of the application
- On-the-fly reprojection of map data

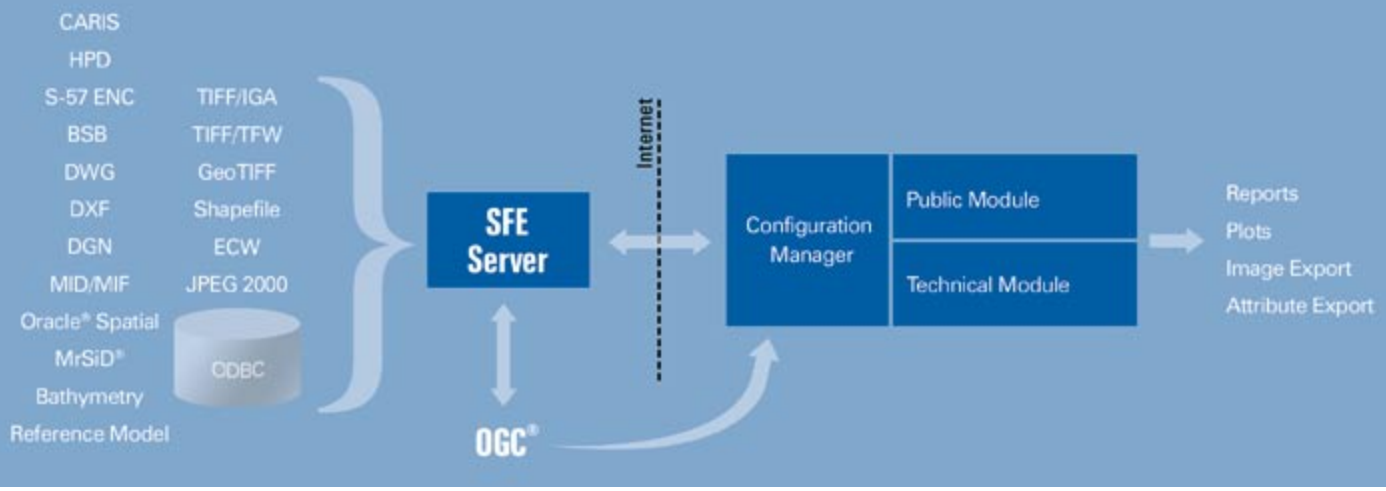
Configuration Manager

- Manage user accounts, roles and privileges for users accessing the system
- Define functionality available for specific roles
- Define a public access role to allow users to access without authentication
- Configure the map servers for the application modules
- Configure points of interest layers
- Update style features for some of the application modules
- Localize configurable features and set up the preferred language for each user
- Configure the tree structure of the legends
- Configure pre-defined queries
- Configure default Quick Maps
- Configure CDGI and USGS Gazetteer services
- Configure unit support for ground, area, depth, height, speed, rate of return and rotations
- Configure target tracking services

Common Features

- Supports multiple data formats without translation including: CARIS, S-57 ENC, BSB, DWG, DXF, DGN, MID/MIF, Oracle® Spatial, MrSID®, TIFF/TFW, TIFF/IGA, GeoTIFF, Shapefile, ECW and JPEG 2000
- OGC® standards implemented: Web Mapping Server (WMS), Web Feature Server (WFS and Transactional WFS), Styled Layer Descriptor (SLD) and Geography Markup Language (GML)
- Thematic mapping
- Multiple selection mechanisms
- Standard map navigation controls
- Multilingual support: English, French and Spanish

SFE Decision Support Workflow



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