Flexible Approach

Spatial Fusion Enterprise consists of separate Server and Viewer software. The Server can be used in conjunction with the Viewer but, more importantly, also with any other OGC compliant GIS. Likewise, the Viewer can be used in conjunction with the Server, or any other OGC compliant Web Server. This provides a high level of flexibility.

Dedicated to Interoperability

The Spatial Fusion Server is an OGC web server built to enable holders of marine geospatial data to be compliant with their data sharing mandates, whether that be at the national, regional, or global level. As well as providing access to specialized marine data types and metadata created in Teledyne CARIS software, it can also serve most common GIS data formats. It also allows easy mash-ups to be created with Google™ Maps or OpenStreetMap.

OpenLayers

The Spatial Fusion Viewer is a light GIS web client that is built on the open source OpenLayers project. The Viewer provides an out-of-the-box map window for interacting with the data that you’re serving. It includes some added value features for greater data interaction, including measurement tools for data analysis, a dynamic print window for paper output, point and range selection capabilities, and it uniquely allows marine data types such as bathymetry to be extracted to various standard raster or vector formats.

Configurable Data Access

Spatial Fusion Enterprise has an easily configurable and flexible security model. Access to data through the Viewer is handled by the definition of user roles and privileges, allowing different users to access different data sources. Data can be made available for public consumption or classified access only, or anywhere in between.
Scalability
The Spatial Fusion Server is easily scaled up to grow with usage demands. It can utilize multiple CPUs and servlets, and can be load balanced to allow access to hundreds of concurrent users. The Spatial Fusion Server has been designed with the future of the internet in mind, so whether you want to host locally, have Teledyne CARIS host on its server farm, or provide access to data through the Cloud, it will scale to meet your needs, today and tomorrow.

Ease of Use
Spatial Fusion Enterprise is easily configured through the Configuration Manager Web Client. These highly intuitive configuration tools allow the system administrator to quickly and easily get new datasets on to the web for consumption. To further aid the user experience, the Viewer’s interface is multilingual.

Open Source Extensibility
Teledyne CARIS wants to encourage its clients to enhance their Spatial Fusion Enterprise experience by extending the capabilities of the Viewer through the use of its Application Programming Interface (API). It is collaboration in the development process that will ensure a greater amount of openness and interoperability within the industry.

Ping-to-Chart™ to Web
As a standalone system, Spatial Fusion Enterprise provides you with the tools to web enable your geospatial data. But when used in conjunction with other Ping-to-Chart products it becomes the core of your spatial data infrastructure. Teledyne CARIS offers the functionality to streamline your operation, from Ping-to-Chart to Web.