Ease of Integration with Legacy Products

- A service application that manages S-100 Exchange Set information, warehousing, correlation, and presentation for other electronic charting applications.

Reduced development time and cost for S-100 product support

- Multiproduct database for all S-100 exchange set formats as well as legacy electronic charting data allows OEMs to immediately support S-100 data products in their applications, saving both time and money.
- System supports distribution of locally stored S-100 Compliant Exchange Sets in original form, providing a localized dataset exchange service that can be used to support OEM testing and development efforts.
- A defined Application Programming Interface (WebAPI) provides a mechanism for external systems to interact and retrieve information from the service.

Typical Applications

Unify can be used in both civil and military maritime domains, including:

- Recreational navigation devices
- Unmanned systems charting services and analysis
- Command and Control solutions
- e-Navigation Solutions
- Inland and Coastal Electronic Charting System (ECS)
- Electronic Chart Display and Information System (ECDIS), Navy ECDIS (N-ECDIS) and World ECDIS (WECDIS)
- Integrated Bridge Systems (IBS)
- Combat systems
- Vessel Traffic Service (VTS)
- Harbor and coastal solutions
- Training and simulation systems
- Search and Rescue (SAR)
- University Geospatial Labs
- Hydrographic Organizations (HOs)

Functionality

- All S-100 compliant products
- S-100 data analysis
- Chart handling
- Chart display
- Day, night, dusk, and custom presentation modes
- Web data services client; server capabilities

Application Technology

- C#
- .NET
- ASP.NET
- Blazor
- Docker

Supported Operating Systems

- Windows 11 and Windows Server
- Linux Desktop and Server

Unify provides the ability for both legacy and new electronic charting applications to use S-100 based products without the need for costly internal development efforts. Legacy applications only require a web service client functionality to connect to Unify and begin using S-100 information.

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2500 Almeda Ave. ▪ Norfolk, VA 23513
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