WR SYSTEMS

TRUST AND SAFETY UNDERWAY

Geospatial Navigation Solutions

GEONAVIGATION TECHNOLOGIES (GNT)

WR's GNT division is built on over 24 years of hands-on experience designing and integrating maritime navigation geographic information systems (GIS) that answer real-world requirements.

We support navigation specification and system development for the US Navy, the National Oceanic and Atmospheric Administration (NOAA), the National Geospatial-Intelligence Agency (NGA), and the International Hydrographic Organization (IHO).

In addition, we develop the tools that today's mariner truly needs— GNT's FairSeas product line, including Port Voyager, Unify, Data Hub, and G-Arc.

FairSeas products seamlessly integrate complex, real-time information to support safe and efficient transit, ensure S-100 compliance, and integrate with legacy applications to save time and money.

PORT VOYAGER

- Maritime port traffic management support system.
- Develops and distributes S-129 Under Keel Clearance (UKC) exchange sets to vessels.
- Reduces the risk of grounding.
- Uses S-100 hydrographic information related to weather, tides, currents, vessel characteristics, etc.
- Optimizes route plans based on port traffic and vessel UKC.

UNIFY

- Provides the ability for both legacy and new electronic charting applications to use S-100 based products.
- No need for costly, time-consuming internal development efforts.
- Legacy applications only require web service client functionality to begin using the new S-100 maritime navigation specifications and products.

DATAHUB

- Provides the ability for applications to connect to real-time navigation sensors to retrieve information.
- End users can dynamically connect to vessel sensors for recording and distribution to other software applications.
- Using a modular design architecture, multiple distributed DataHubs can be connected to create a real-time synchronized data "Organization."
- Can provide a holistic presentation of vessel or even fleet sensor data.

G-ARC

- Software Development Kit (SDK) that applications can use to develop navigation grade software solutions.
- The SDK is developed in C# and is .NET Core 5.0 compliant for cross platform utilization.

FAIRSEAS

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