WR SYSTEMS

Geospatial Navigation Solutions

GEONAVIGATION TECHNOLOGIES (GNT)

As a division of W R Systems, Ltd. (WR), GNT 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, include 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 6.0 compliant for cross platform utilization.

FAIRSEAS