

Case Study

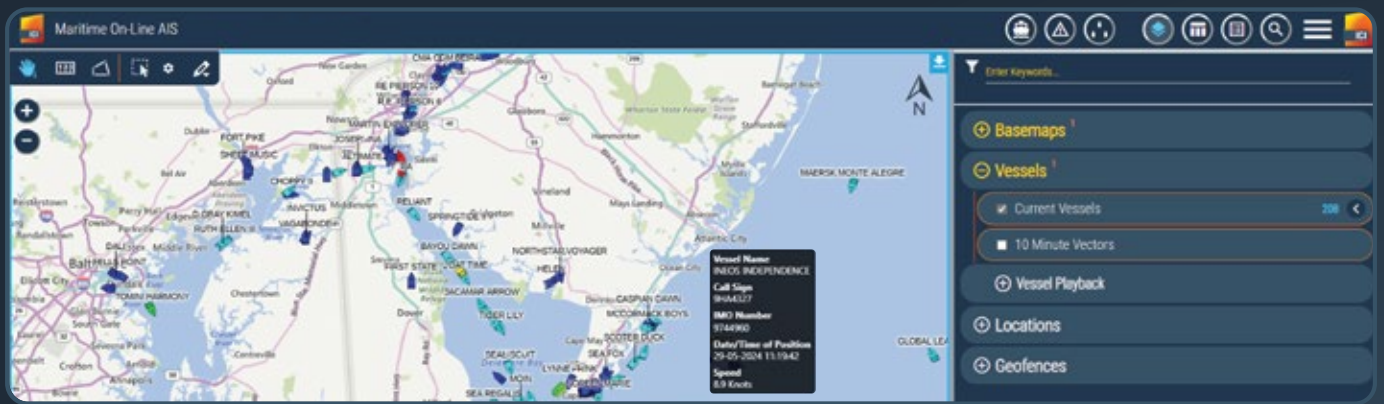
Maritime Exchange for the Delaware River and Bay

AUTOMATIC VESSEL INFORMATION SYSTEM (AIS) SOLUTION



MARITIME EXCHANGE
for the Delaware River and Bay
Leading the Way to Port Progress





In June of 2021, ICI Innovations (ICI) completed the latest version of its Automatic vessel Information System (AIS) solution for the Maritime Exchange for the Delaware River and Bay, a non-profit trade association and leading advocate for port and related businesses in the Delaware River region.

As part of the Exchange's industry leading Maritime On-Line® solution, ICI deployed its Report-Viz application to replace the Exchange's legacy AIS application. Exchange members, including the Pilots Association of the Bay and River, use AIS to track vessel movements in and out of one of the nation's busiest waterways - over 2500 vessel arrivals in 2024.

THE CHALLENGE:

The Maritime Exchange for the Delaware River and Bay had an aging legacy AIS application which was nearing the end of vendor support. A new AIS system to integrate with its Maritime On-Line® solution was required including a modern and improved user interface, dynamic interaction and enhanced feature set.

THE SOLUTION:

Following an industry wide Request for Proposals bidding process, the Exchange contracted ICI to complete the project work, which was partially funded by a grant from the New Jersey Department of Transportation. ReportViz is the dynamic reporting and data visualization component of ICI's RIVAS solution for project information management, which was leveraged to deliver the requirements. The ReportViz-based AIS platform not only transforms the user interface, but it also ushers in new features requested by the maritime community.





“Together with the recently completed AIS hardware project, Exchange AIS users will enjoy a dramatically improved experience.”

Paul Myhre

– Exchange Director of Operations



Exchange AIS subscribers can now display a vessel's vector based on course over ground and easily operate controls for the replay of historic vessel information and course.



BENEFITS:

- A more responsive and detailed nautical chart provided by NOAA
- Density maps to show heavy traffic areas
- Geofence alerts for specific vessels
- Replay historic vessel course and information
- Export 24-hour vessel tracking information to Microsoft Excel



“The alerting capability tied to a specific vessel, or vessels is very important to us, I also like the improved chart and updated playback feature. This allows us to be more efficient in our day-to-day operations.”

Capt. Joseph Benton

– Vice President and General Manager of
McAllister Towing of Philadelphia, Inc.

ICI Innovations

BETTER INFORMATION FLOW SO CUSTOMERS ACHIEVE GOALS FASTER

Its ReportViz application is part of the larger RIVAS solution for project information management. It provides access to sophisticated data and reports so project information can be managed and communicated more effectively.

ReportViz is a complete digital EIA and interactive data visualization solution that is tightly integrated with Microsoft 365's SharePoint Online platform. ICI Innovations has a solid reputation for providing easy to use, yet powerful solutions that support various natural resource-based industries, including energy.



“We are thrilled to successfully complete our project work with the Maritime Exchange so they can provide its members with valuable AIS information within the highly accessible and easy-to-use application. We are also happy to be a member of the Exchange and look forward to supporting its AIS services now that the platform is available to its members.”

Corey Tucker

– President, ICI Innovations Inc.



ICI Innovations Inc.

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