



exactEarth ShipView™ Competitive Assessment

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exactEarth ShipView™

ShipView is ideal for customers who are interested in a standalone viewing and analysis tool or who are interested in evaluating exactAIS[®] prior to initiating the effort of integrating the data feed into their operational display systems. ShipView™ is an easy-to-use, modern web-based application that allows users to see the ship positions produced by their exactAIS[®] data service and plots them on a familiar set of map layers to enhance the interactive experience. As a hosted web application, users can access ShipView from anywhere, anytime, and on most devices to quickly view all maritime traffic and with a rich set of filtering and analysis tools getting the view you need to make decisions is easier than ever before to protect your waters, lives, and assets saving time and money.

Main Features and Benefits

- exactAIS[®] Data Access
 - Plot and visualize the latest ship positions, view ship information, and gain access to 90 days of historical track data for each ship
 - Improves maritime monitoring of ship activities in the world or your area of interest by providing dynamic and up-to-date ship information and longer look-backs means more trend analysis and comprehensive picture of patterns and behaviours to save you valuable time and effort to perform in depth analysis into global shipping traffic
- Modern, Web-based Application
 - Access the web application anywhere, anytime, and on most devices from desktop to mobile
 - Improved efficiencies; allowing exactEarth to “host” the application (Saas) and data saves money (and time) setting up and managing an in-house application and database
- Map Navigation
 - Global navigation using command map controls and mouse clicks to zoom and pan the map
 - Hover over ships to fetch summary identifying information with photo to quickly understand what vessels are in the area of interest
 - Improve navigating the world or your area of interest using similar tools as used in other map technologies
- Searching
 - Single line searching to find ships by name, IMO, MMSI, Flag, or destination
 - Simplifies the process of finding a ship of interest anywhere in the world or your area of interest to save time and effort
- Filtering
 - Add, edit, or delete rules and groups to subset the current view to only those ships that match the input criteria selected from any attribute available, including geography
 - Improves analysis and research, while saving time, finding ships that meet the criteria asked to get situational awareness quickly and efficiently to make better decisions
 - Import or export filters to share with colleagues or use with our exactAIS Geospatial Web Services™
- Ship Photos
 - Get access to an expansive ship photo database to view images for selected ships
- Add OGC or Esri External Map Layers

- Load any OGC WMS or Esri Map, Feature, or Tiled Map Service to ShipView as either map layer or base map
- Enhances decision-making through interoperability and extensibility, either using in-house or external map services to view alongside exactAIS®
- Download and Save Data
 - Easily download a data set of either all or currently in view ship information in common formats including CSV, Geographic Mark-up Language (GML), and KML for Google Earth
 - Improves off-line review, analysis, and reporting by loading ship information into software or databases of choice
- Bookmarks and Gazetteer
 - Quickly zoom-to user defined areas of interest or world's sea areas
 - Saves time and effort when trying to view typical areas when time is of the essence

Business Benefits






ShipView delivers the following benefits to the business;

- Saves time and effort by allow easy access to dynamic ship information over the Internet providing a complete picture and insight into the world's maritime traffic; longer historical look-backs give you access to data that can highlight ship behaviour patterns allowing for more compelling analysis into illegal movements or suspicious activities.
- Improves decision making by providing out-of-the-box tools to search and filter maritime traffic to simplify the process of ensuring you have the information you need as quickly as possible to make timely critical decision in a variety of maritime operations
- Enhances maritime monitoring using the reliable and proven exactAIS® data service to assess the degree of risk to traffic within you area of interest and even provide proactive intervention to reduce the levels of maritime incidents and potential causalities, help to preserve the marine environment, identify breaches into protected or sensitive areas
- Improves efficiencies and saves money by allowing exactEarth to host the web application and data to serve you on-demand by accessing the web application anywhere, anytime, and on most devices

Competitive Assessment

The goal of the competitive assessment is to compare current functionality of exactEarth ShipView and other commercially available ship monitoring and tracking web applications. In this assessment, VesselFinder, ShipFinder, and MarineTraffic are compared to ShipView.

	VesselFinder	ShipFinder	MarineTraffic	exactEarth ShipView
Web Mapping Application	✓	✓	✓	✓
Global Satellite AIS Coverage			✓	✓
Satellite AIS Refresh			✓ *12h Delay	✓ *Near-Real Time
Global Terrestrial AIS Coverage	✓	✓	✓	✓
Terrestrial AIS Refresh	✓	✓	✓	✓ *10-minute
Base Maps	✓ *Google *OpenStreetMap	✓ *Google	✓ *Google	✓ *Ocean (Bathymetry) *Satellite / Aerial Imagery *Others (Streets, Topographic, National Geographic, and OpenStreetMap)
Nautical Maps (Powered by Transas)			✓ *Included	✓ *User Purchases from Transas based on Requirements
Alerts (In-App and Email)			✓	✓ *Unlimited *Alerting by Layer *Coming Soon
Ship Database (Master Data)	✓		✓	
Ship/Fleet Monitoring	✓ *500 Maximum		✓ *500 Maximum	✓ *Unlimited
Ship History	✓ *7 Days	✓ *View Only	✓ *60 Days	✓ *90 Days
Ship Photos	✓		✓	✓
Export Data			✓ *3000 Records / Month	✓ *Unlimited *Complete Interoperability to Geographic Information Systems

	VesselFinder	ShipFinder	MarineTraffic	exactEarth ShipView
No Third-Party Ads	 *Premium Only			
Support			 *Email and Helpdesk	 *24/7 Email and Customer Support
Filtering and Multiple Custom Ship Layers				 *Create Custom Views of Maritime Domain *Filter and Search on All AIS Information
AtoN, Base Station, and SAR-Aircraft		 *View Only		
External Layers				 *Any OGC or Esri Map Server
Measurements (Distances and Areas)				
Manage and Search Areas of Interest (AOIs)				
Bookmarks and Sea Area Gazetteer				
Data Quality				 *Erroneous Position Message Filtering *Ship History Spike Removal
API Service				 *Certified OGC Web Feature Service
Estimated Price/Month (Cdn)	Free	Free	\$383.50	\$833 *Not including Data

Competitive Assessment Summary

Based on the competitive assessment, ShipView far exceeds the features and benefits of the other platforms. While some platforms offer similar capabilities, ShipView provide a full featured platform to enhance maritime domain monitoring, ship tracking, and interoperability with external GIS data sources and applications. The ability to create custom views based on simple or complex rules and groups quickly enhances situational awareness and improves the decision making process. Further, ShipView offers the longest look-back for historical information at 90 days which helps users to better understand traffic patterns and behaviours. exactEarth employs multiple techniques to improve overall data quality, including erroneous position filter, historical spike removal, and ship information verification to create the most accurate and comprehensive view into maritime activities not simply relaying standard AIS broadcasts. Overall, the robust and flexible characteristics of ShipView provides more value to end-users as compared to other platforms currently available for monitoring and tracking ships.