PEARSONLIVE AIS+

The most comprehensive AIS database of near real-time and historical ship positions

Since the introduction of AIS in 1990, in 2002 through SOLAS (Safety of Life 2002, IMO issued a mandate that new ships must include AIS tech-nology as a safety and navigation safety device. Since then, AIS has become an integral part of maintaining safety at sea.AIS regulates the exchange of key information such as ship identity, position, time, course, and speed between the ship and the coast on a regular, automatic, and autonomous basis.

AIS which was originally implemented as a network for data exchange between ships and shore stations, was limited by a maximum distance of 40 nauti-cal miles by terrestrial AIS receivers.

AIS satellite finally became a breakthrough for sending AIS data from any geographical location on earth.

Pearsonlive AIS+ data service is a satellite-based global ship tracking service that provides global visibility. It increases maritime domain awareness for government authorities and commercial organizations worldwide, with superior ship detection, near realtime position updates, and unmatched persistent coverage captured by a constellation of satellites.

Pearsonlive AIS+ allows you to easily:

- Track more than 200,000 ships in near real-time
- More Accurate. Make it easier for you to make more informed decisions
- Excellent detection rate
- More cost effective. AIS data plan pricing more flexible.

With daily updates of AIS data, Pearsonlive AIS+ data provides increased maritime domain awareness in all waters. Our flexible shipping methods make it easier to view, track and analyze the movement of world shipments.

Key Features Include:

- Continuous and persistent global satellite tracking with no coverage gaps
- Updated vessel position reports delivered to you within seconds Fully leverages the benefits of more than thirty thousand satellite enabled AIS transmitters
- Reliable detection of both large Class A as well as smaller Class B vessels
- Customers can choose to receive the Pearsonlive AIS+ message feed either through file-based or data streaming methods in a variety of formats AIS Enrichment for high traffic zones.

Pearsonlive AIS+ Message Feed provides the following AIS message content:

- All detected AIS position reports comprising ship ID (MMSI), GPS position, navigational status, course, speed and other information contained in the report
- All detected AIS static messages comprising ship name, ship type, IMO number, call sign, dimensions, destination and other information contained in the static message
- All detected Safety Text messages
- All detected AtoN messages (MMSI, Type)
- All detected Application specific messages
- All detected Base Station position reports and commands

The Pearsonlive AIS+ Message Feed service is provided to provide customers with data format and delivery flexibility in choosing options best suited to their needs.

The data formats available and their respective delivery methods:

- NMEA (National Marine Electronics Association) v4.0 0183
- XML
- Google Earth KML
- CSV

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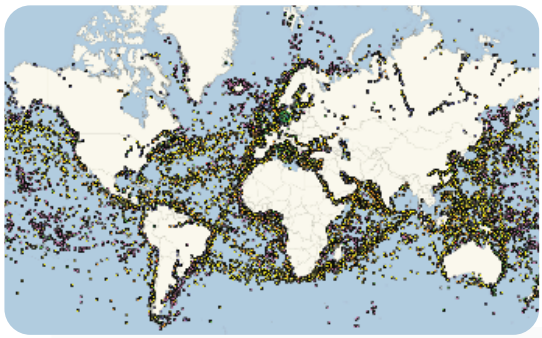
PEARSONLIVE AIS DATA INTEGRATION

PearsonLive allows you to access all the vessels in the world on a global scale without any geo - graphical limitation. You can start using ships data for your software, applications, data analysis, and interfaces.

Our API protocol gives you access to vessel data such as ships location, destination, estimated time of arrival, draft, deadweight tonnage, navigational status, and much more.

PearsonLive provides a choice of data delivery, cloud base or on-premise.



PEARSONLIVE AIS+

Why PearsonLive API?

- **API Built for Developers**
  Fast Marine data API suitable for a wide range of popular languages such as Python, Ruby, PHP, Java, Go, .Net, etc.

- **Secure Data**
  Our reliable encrypted servers are located on trusted cloud in US, Europe and Asia

- **API Global Leaders**
  PearsonLive is an international data API provider with one of the biggest maritime databases

In extended package, PearsonLive ship API can installed on-premise based and give you an advantage to use PearsonLive API Platform to manage receiving AIS data from our AIS dataset or other AIS data source.

For an on-premises basis PearsonLive provides options for data acquisition from AIS Satellite providers including:

- Various Protocol formart :
  - NMEA Handling covers socket connection, parsing, movement/static translation, enrichment Web services (GeoJson /XML)
  - WMS (Web Map Service)
  - Filesystem (CSV)
- Supports AIS multi data source - Supports integration with AIS terrestrial.
- Supports the cleansing process for multiple and overlapping data.
- The result of this module process is in the form of data ready to be displayed on the map /dashboard.

Features:

Vessel Location
See vessel longitude and latitude

Ship Destination
Access vessel destination port name

Route ETA & ATD
See estimated time of arrival and departure

Activity Status
Get vessel navigational status and activities

Bulk Requests
Call tons ships data in one API request

Ship Info
Get static vessel data, such as vessel type or DWT

PEARSONLIVE AIS+

PEARSONLIVE VESSELDB

Search, Track & Find vessel data related with.

Maritime surveillance requires a ship database as basic information. The ship database is very important because it becomes the baseline for and reference for ship information if there is a difference between the real data and the registered data.

Ship database consist of:

- Ship Identity & Registration

  The International Maritime Organization (IMO) number is a unique identifier for a ship, registered ship owner and managing company. IMO numbers were introduced to improve maritime safety and security and to reduce maritime fraud. They consist of the three letters "IMO" followed by a unique seven-digit number, defined under the International Convention for the Safety of Life at Sea (SOLAS). Besides IMO, there is also other information such as MMSI, Callsign, Ownership, builders, management, etc.

- Physical Information

  Physical information contains information such as Ship dimension, Hull (Shipyard, Size, anchor etc.), Engine (brand propeller engine.), Owner (owner, operator), vessel photo information, vessel identity changes , and more

- Compliance

  Compliance information provides licensing information, assurance, historical surveys, sanctions list records, etc.

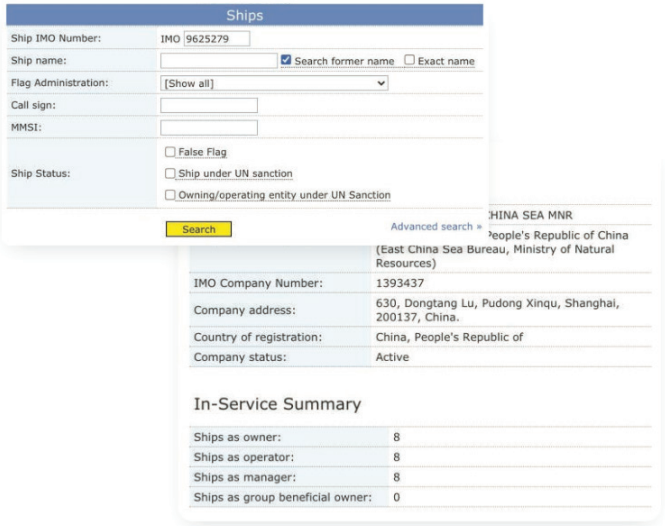
- Historical Records (incident/victim)

  The records of incidents and casualty involving ships also illustrate the safety of ships.

This module provides the ability to search for company information, including ship company records, group rates and operating expenses, insurance, etc. You can search by owner, operator, manager or builder.

Maritime Security

By combining all OSINT data, and monitoring global online media, the system provides information on security developments providing you with timely reporting on developments in the global situation related to the selected vessel/Area of Interest. This module sends publications of any news or events that may affect port conditions, with links from port to country/region in web forms or emails.



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