Maritime Data and Analytics, tailored to you

Data Services


Lloyd’s List Intelligence
All the data you need, from one source

Big data is everywhere, no more so than in the maritime industry, and cutting through the sheer volume to get to the information you need can seem like a daunting task. It’s easy to waste time collating, checking and organising data from different sources to get it in the right format to act on.

We’ve done the hard work for you, having processed and verified data from over 3,000 sources. Our comprehensive maritime data can help you to screen and track vessels, conduct analysis and monitor market trends. Armed with the best information, you’ll be able to detect compliance risk, pinpoint market opportunities and streamline your processes.
Trusted data APIs, seamlessly integrated

Our data is trusted by professionals all over the world for its accurate and verified real-time and historical view of maritime trade.

Integrate the most complete maritime data straight into your systems and platforms. Our vessel characteristics, tracking, and behavioural data can merge seamlessly and streamline your workflow. Every organisation is different, so we deliver maritime data in whichever way suits you. Automate and digitise internal processes and save time completing checks and analysis.

Lloyd's List Intelligence APIs are used by professionals in...

- Legal services
- Financial organisations
- Governments and national security
- Marine insurance companies
- Ship owners and operators
- Energy and commodity producers and traders
Unlock the power of the complete view
Access the most comprehensive tracking data with a complete view of vessel movements, detailed ownership data and sanctions information available from all major sources.

Combine your data into one system
Integrate data with your own to provide you with a complete single source.

Integrate, effortlessly
Real time data integration into your internal system provides the current view.

Save time conducting analysis
One integrated source reduces time spent collating data and gives you more time to analyse and act on it.

See only the data you need
Select the data and update frequency you need across the range of API endpoints.

Get advice from experts
If you have questions about the data, contact our maritime data experts to provide additional insight and get answers within 24 hours.

Near real-time global AIS data & intelligence
View the most up to date, trusted, reliable and independent view of data every second.
APIs for the complete view of maritime trade

- **Essentials for Vessels, Companies & Places**
  - Access key vessel, company and places identifiers

- **Vessel Characteristics & Specifications**
  - Track and monitor a specific list of ships, types of vessels, or the entire global fleet

- **AIS Positions, Port Calls & ETAs**
  - 390m updated vessel positions on average every day, from our terrestrial AIS network and satellite partners

- **Inspections, Detentions & Casualties**
  - Get immediately alerted to new casualties and access over 40 years of historic vessel casualties data from Lloyd’s Casualty Reporting Service.

- **Vessel Ownership & Companies**
  - Understand who owns, operates and manages a vessel

- **Places, Ports, Terminals & Berths**
  - Over 60 data points covering 70,000 ports, sub-ports, terminals, anchorages and berths

- **Container Tracking & Bill of Lading Verification**
  - Track container movements and verify a Bill of Lading, including port of load and discharge, vessels involved and transhipment points on route to destination

- **Sanctions, Risks, Compliance & Reports**
  - Conduct your due diligence, avoid penalties, and protect your organisation from the consequences of illicit behaviour

- **Predictive Fleet Analytics**
  - Accurately track vessels, predict vessel movements, and anticipate port congestion and delays in minutes
Trusted, verified data feeds, tailored to you

Pick and choose what you need from different categories. We also validate our data to ensure you receive the best possible quality for your analysis. Lloyd’s List Intelligence has a digital archive of data going back to the 1970s so you can access a unique level of historic data.

### Essentials for Vessels, Companies & Places

<table>
<thead>
<tr>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access key vessel, company and places identifiers such as:</td>
</tr>
<tr>
<td>Vessel ID, IMO, name, type, flag, gross tonnage, DWT tonnage</td>
</tr>
<tr>
<td>Country and head office details of the company</td>
</tr>
<tr>
<td>Type of the place/location (e.g. terminals), the country of the place</td>
</tr>
<tr>
<td>Images of a vessel</td>
</tr>
</tbody>
</table>

Key information:

- +600k vessels in all parts of the lifecycle
- 100% coverage of the live trading fleet
- +570 data fields available

### Vessel Characteristics & Specifications

Track and monitor a specific list of ships, types of vessels, or the entire global fleet, using over 250 data points including:

<table>
<thead>
<tr>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vessel name, flag, call sign and tonnage</td>
</tr>
<tr>
<td>Vessel dimension, structure and capacity details</td>
</tr>
<tr>
<td>Vessel history such as registration details, construction and demolition details, flag details, class details and P&amp;I Club details</td>
</tr>
<tr>
<td>Equipment found on board the vessel covering engines, boilers, generators, lifting gear and propellers</td>
</tr>
<tr>
<td>Vessel communication equipment installed, including Inmarsat satellite contact details</td>
</tr>
</tbody>
</table>

Key information:

- +1,400 vessel name and flag changes each month
- +52k vessel characteristics researched, validated, and updated each month
- +530k vessels transmitting Class A and Class B AIS messages
Trusted, verified data feeds, tailored to you

### AIS Positions, Port Calls & ETAs

440m updated vessel positions on average every day, from our terrestrial AIS network and satellite partners. Data includes:

- Latest AIS vessel position information
- Historic AIS position for tracking a vessel's location during a given time period
- Current or historic AIS positions by an area with details including latitude, longitude, speed, nearest country, destination, distance, ETA
- Historic and future vessel port calling, passing and sighting details by vessel or location
- Historic and future vessel estimated times of arrival by port or vessel

**Key information:**

<table>
<thead>
<tr>
<th>100%</th>
<th>+6m</th>
<th>+10 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>coverage of the live trading fleet</td>
<td>port callings each year</td>
<td>of vessel positions and voyages' information</td>
</tr>
</tbody>
</table>

500

Lloyd's Agents on location in over 170 countries reporting and verifying vessel positions and port callings, exclusively for us

<table>
<thead>
<tr>
<th>+25k</th>
</tr>
</thead>
<tbody>
<tr>
<td>port calls per month verified in person</td>
</tr>
</tbody>
</table>

### Inspections, Detentions & Casualties

Get immediately alerted to new casualties and access over 40 years' historic vessel casualties data from Lloyd's Casualty Reporting Service. Data covers:

- Vessels involved in casualties
- Casualty details, from piracy and total losses to machinery failure or damage
- Port State Control Inspections & detentions and reported deficiencies recorded against vessels

**Key information:**

<table>
<thead>
<tr>
<th>20 mins</th>
<th>80%</th>
<th>Global casualty reporting</th>
<th>80k</th>
</tr>
</thead>
<tbody>
<tr>
<td>publishing time on receipt of incident</td>
<td>coverage of new data issued by USCG and the main PSC MOU authorities</td>
<td>coverage with 500+ Lloyd's agents and dedicated casualty correspondents</td>
<td>unique casualty incidents, as well as follow-up reports in our database</td>
</tr>
</tbody>
</table>

+5,000

inspection and detention updates added on average per month

1.9m

updates in our archive of inspections and detentions

3,300

new casualties and over 4,400 follow-up casualty reports are researched and updated each year
Trusted, verified data feeds, tailored to you

<table>
<thead>
<tr>
<th>Vessel Ownership &amp; Companies</th>
<th>Places, Ports, Terminals &amp; Berths</th>
<th>Container Tracking &amp; Bill of Lading Verification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Understand who owns, operates and manages a vessel. Including:</td>
<td>70,000 ports, sub-ports, terminals, anchorages and berths. Including:</td>
<td>Track container movements and verify a Bill of Lading, including port of load and discharge, vessels involved and transhipment points on route to destination. Inputs include Bill of Lading or container number.</td>
</tr>
<tr>
<td>Seven categories of ownership data including registered, beneficial, nominal, technical and ISM managers, third party operator and commercial operator</td>
<td>Place information including name, place type, location</td>
<td>Key information:</td>
</tr>
<tr>
<td>Details on entities who currently or have previously owned/operated a vessel</td>
<td>Place characteristics including details on terminals, berths &amp; commodities handled</td>
<td>+12.3k</td>
</tr>
<tr>
<td>Fleet details associated with a company</td>
<td>Key information:</td>
<td>ports</td>
</tr>
<tr>
<td>Company information including offices, name history and contact details</td>
<td></td>
<td>240k</td>
</tr>
</tbody>
</table>

Downloadable reports in PDF format

<table>
<thead>
<tr>
<th>Key information:</th>
<th>Key information:</th>
<th>Key information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>240k ship owning and operating entities</td>
<td>+14,000 ownership details are researched &amp; updated each month</td>
<td>39 container lines</td>
</tr>
</tbody>
</table>
Trusted, verified data feeds, tailored to you

Sanctions, Risks, Compliance & Reports

Conduct your due diligence, avoid penalties, and protect your organisation from the consequences of illicit behaviour. Access consolidated sanction lists from OFAC, UNSC, EU and the HM Treasury, including sanctions on individuals, vessels and countries, and the vessels and entities connected to them. Data includes:

- Details on sanctioned vessels, organisations and personnel as reported by market regulators, including the dates they were added or removed from a programme
- PDF Vessel reports including vessel details, movements, inspections, casualties, ownership
- Company PDF report
- List of vessels with gaps in their AIS transmission history
- Compliance risk ratings and their details across AIS gaps, AIS manipulation, flag, ownership, ship to ship transfer and movements
- Detected STS (Ship-To-Ship) activity and details associated including vessel details, place, draught change
- Detected vessel voyages and risk including probable dark port calls, probable dark STS with other vessels, loitering and AIS gap indicators
- Vessel risk details based on a vessel’s profile and detected voyage risks and events tailored to a time period, including the overall vessel risk score
- List of screened vessels with risks associated. Track changes in the risk profile of your vessel or fleet of interest over time
- PDF compliance risk reports including vessel details, movements, inspections, casualties, ownership, vessel risks detected and overall risk score
- Details of vessels with gaps in their AIS history
- Audit of when the compliance screening report has been downloaded and the data produced

Key information:

- +240k ship owning and operating entities
- 25 Hull risk rating variables (flags changes, vessel trading profile, ownership changes, casualty history, vessel class changes)

Twice daily updates on sanctions. Most data from sanctions reports are verified and published within minutes

365 days sanctions monitoring including weekends and public holidays to ensure accuracy
**Predictive Fleet Analytics**

Accurately track vessels, predict vessel movements, and anticipate port congestion and delays in minutes. Our advanced machine learning algorithms in combination with our quality foundational data generates accurate predicted destination, ETA, ETB and ETD data. Including:

- Predicted destination, which is 70% accurate to the final port destination, 5 days out – over 35 percentage point increase over standard AIS destination
- Estimated Time of Arrival (ETA) for all key vessels with accuracy within +/- 10 hours to the actual time of arrival
- Estimated Time to Berth (ETB) with accuracy within 1–2 hours of actual time of berthing
- Estimated Time of Departure (ETD) based on historical data and current traffic levels
- Vessel predicted waiting time and time in port
- Current trade route analytics made up of trade lane traffic
- Port congestion and turnaround metrics with red, amber, green rating
- Port traffic analytics consisting of vessels expected to arrive at the port within the next 5 days
- Port benchmark data to compare average waiting times at two ports over a tailored period

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**Key information:**

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Predictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>70%</td>
<td>Accurate for predicted destination, 5 days out</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Number</th>
<th>Ports, Terminals, Anchorages and Berths Tracked</th>
</tr>
</thead>
<tbody>
<tr>
<td>70k</td>
<td></td>
</tr>
</tbody>
</table>

When we predict the correct destination, we can predict...

<table>
<thead>
<tr>
<th>Time Range</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETA to within</td>
<td>+/-10 hours</td>
</tr>
<tr>
<td>ETB to within</td>
<td>1–2 hours</td>
</tr>
</tbody>
</table>
Built on the best data and artificial intelligence, to give you the complete view

Our database
Enhancing, completing and verifying

Automated
Advanced Algorithms
Designed by experts to rapidly disseminate, match and verify data

In-person
Industry expertise
Delivering analytics that are relevant and insightful

Insight
Artificial intelligence
Creating advanced context around behaviour, its implications and risks

Lloyd's List Intelligence Data Services APIs
Intelligent and automated analytics

Data in
3000+ data sources

Data from our trusted partners

Data standardisation
How we bring you better data through COACT

Consistency
Our methodologies use strict rules and defined tolerances to manage consistency

Origin
Our data is built on the most reliable inputs from our own exclusive sources and partners that we trust

Completeness
Our extensive data coverage forms the full picture of maritime trade activities, fleet and vessel operations and the infrastructure of the entire industry.

Accuracy
We are constantly monitoring and improving our data sets, removing anomalies, driving accuracy and increasing precision

Timeliness
Automated data processing and validation ensure our data is current and quickly accessible
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