Lloyd's List Intelligence

Predictive Fleet Analytics

Experience a new level of predicted voyage data

See vessel arrivals, port congestion and delays with a market-first platform and API end point.

See what's coming

Your current systems are letting you down

Accurately tracking vessels, predicting ship movements and understanding port congestion are all crucial tasks across job roles directly impacted by shipping insights.

Knowing exactly when a ship will berth still relies largely on relationships and AIS-based information. However, this can often be incomplete and unreliable, not only making your job difficult but also costing a great deal of time, money and resources.
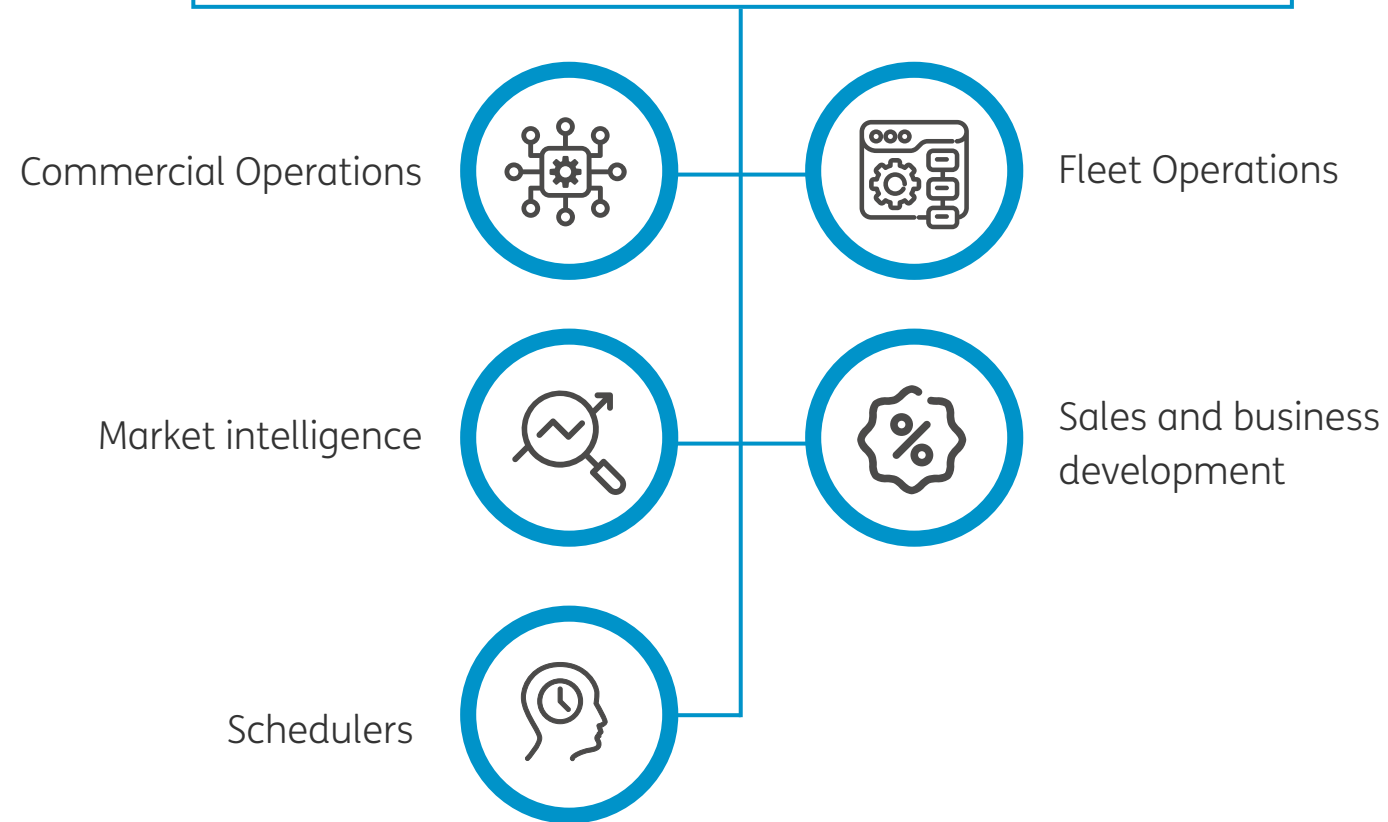
There needs to be a better way.

36% of AIS messages are missing estimated time of arrival data.

Introducing Predictive Fleet Analytics

A single source of accurate and reliable data for...

Commercial Operations

Fleet Operations

Market intelligence

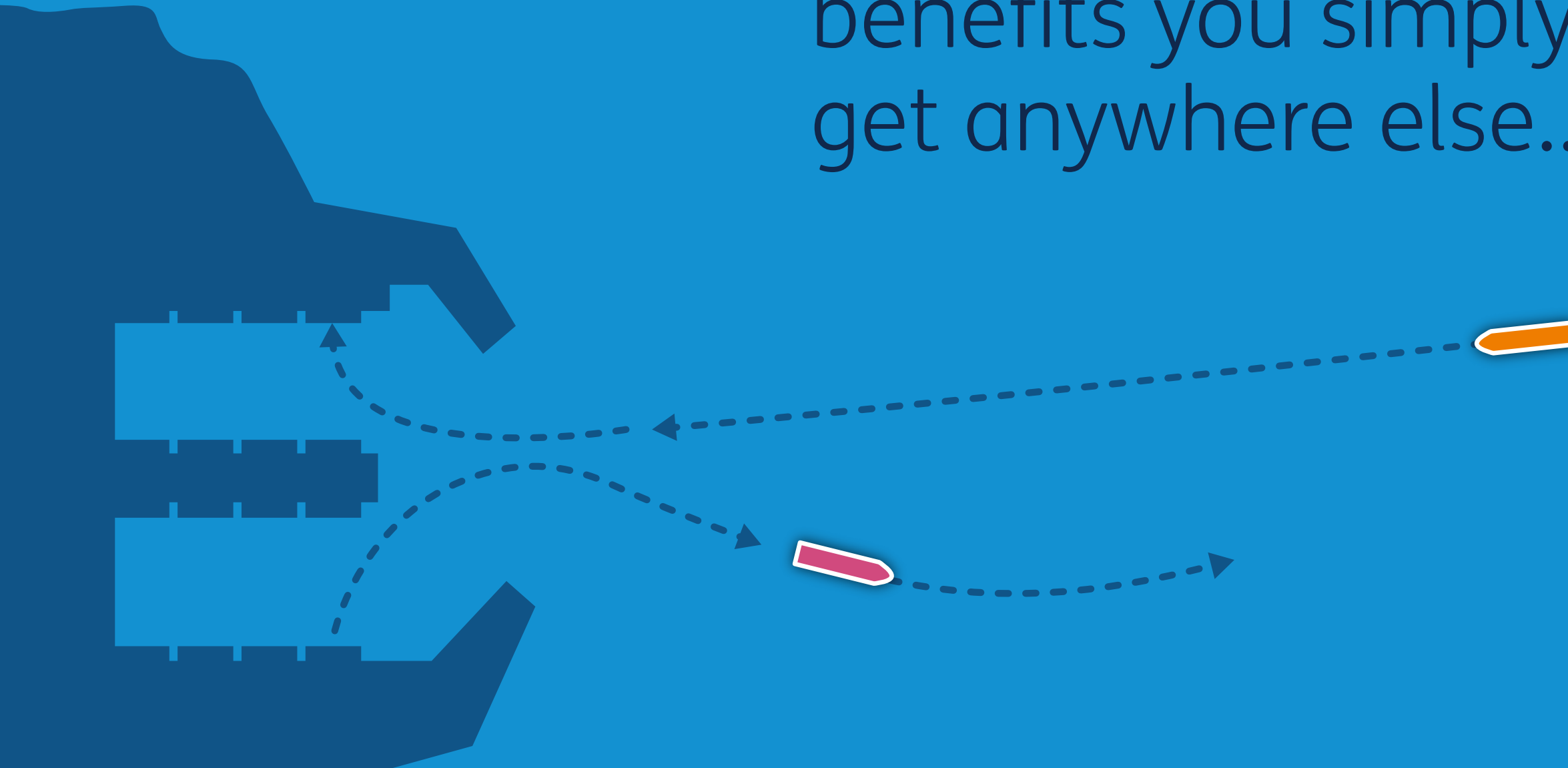Sales and business development

Schedulers

Predictive Fleet Analytics delivers a new level of reliable and accurate data. The analytics helps professionals better predict port calls, congestion and delays with self-serve insight not available elsewhere.

Using artificial intelligence, the platform and API provides predicted vessel movements, vessel estimated arrival times to port, berth information and estimated departure time – all in one place.

With Predictive Fleet Analytics, you can make accurate decisions in real time, redeploy resources, cut costs, and stay ahead of your competition.

Why you need Predictive Fleet Analytics...

...access capabilities and benefits you simply can't get anywhere else...

Why you need Predictive Fleet Analytics...

Vessel predicted voyage data and analytics

NEW! Market first

Know a vessel's Estimated Time to Berth (ETB)
For all key vessels with accuracy within 1 – 2 hours of actual time of berthing

Know a vessel's Estimated Time of Arrival (ETA)
For all key vessels with accuracy within +/- 10 hours to the actual time of arrival

Know a vessel's Predicted Destination
70% accurate to the final port destination, 5 days out - over 35 percentage point increase over standard AIS destination*

NEW! Market first

Know a vessel's Estimated Time of Departure (ETD)
Based on historical data and current traffic levels.**
- Vessel predicted voyage, waiting time and time in port
- Tailored email alerts when a vessel of interest changes destination

*Average accuracy figure across all vessels and routes. Note that the model is dynamic, and the accuracy of predicted destination will change over time based on market demands and changes.
**Covers bulk carriers, tankers, container vessels, ro-ro ships and passenger ferries.

Why you need Predictive Fleet Analytics...

Port analytics

Understand port congestion and turnaround metrics

- Port congestion levels by red, amber, green ratings and by vessel types and sizes
- Average waiting times to go into port, at a port and at berth over a tailored period of time

Port traffic analytics

- See the number and list of vessels expected to arrive at the port within the next 5 days
- Port benchmark data compares average waiting times at two ports over a tailored period of time

Vessel operating information

Evaluate vessel trading information and timeline

- See a vessel's current location, if it's at port, at berth, anchored, manoeuvring, slow steaming or cruising, its draught and speed, and how that has changed over a tailored time period
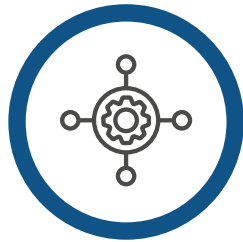- Review vessel activities over a tailored time period, including high risk* port calls, STS transfers and AIS gaps

Current trade route analytics

Understand trade lane traffic

- Identify vessels currently travelling between or to specific countries or places
- Research historical trading over a tailored period of time

*only for Risk and Compliance customers

Why you need Predictive Fleet Analytics...

Commercial Operations Managers
Advise vessels to speed up or slow down with insight on port congestion and avoid delays

Fleet Operations Managers
Plan time spent in port better and avoid costs due to delayed departures

Market Intelligence Professionals
Create port and vessel benchmarking data more easily

Sales and Business Development Teams
Secure contracts to offer services to vessels days in advance of them arriving in port

Schedulers
Plan vessel surveys 5 days ahead with confidence

What customers are saying...

" I have to depend on third hand information about delays and congestion, (port authorities to agents to me) and it's easy for information to get lost with lots of people and hundreds of emails involved. If I can get this myself, I'd save hours a day.

" Accurate arrival times will help me avoid rescheduling 20-30% of jobs. It will also reduce the time and costs of engineers and surveyors having to reschedule flights or hotels last minute.

" Having a single shared view of predicted ETA, ETB and vessel departure time visible to every relevant party involved would bridge the current gaps in information between the customer, internal delivery agents and the supplier, and mean I can deliver better service to my customers.

The benefits of better port, vessel and voyage analytics

Cut costs and penalties

If a vessel is delayed by three days, it can incur penalties in the form of demurrage cost for a bunker fuel vessel – at around $40,000 per day.

Financial costs and penalties can arise due to a lack of reliable and accurate data along with inconsistent communications – making it difficult to plan the arrival of goods. Accurate ETA information would surely rectify this problem, but sadly, less than a half of all vessels report their next port of call and estimated time of arrival accurately via AIS - because it's not mandatory to state this information.

In a market-first offering, Predictive Fleet Analytics offers more than just accurate ETA data. **It reduces the need for individuals to manually gather this information themselves, by offering accurate, data-based predictive vessel movements and vessel behaviour information.**

Providing timely notifications about changing time of arrival directly to the customer, the agent, and the suppliers helps to mitigate financial risks and provide full visibility on commercial operations. In addition, ETB (estimated time to berth) and ETD (estimated time of departure) information enables businesses to provide customers with more accurate information – creating superior customer service in the process.

Operate with a central point of truth and insight

In a multi-billion-dollar industry, SMS messages, emails and telephone notifications simply won't do.

With businesses across the globe utilising data like never before, isn't it time the maritime industry also enjoyed the clarity and accuracy of high-quality data which can be used to self-serve when needed? **Our analytics can help maximise day-to-day operations in an innovative way.**

Precise data ensures individuals no longer need to collate and verify the accuracy of information coming from lots of different sources to establish vessel operational statuses. Having the latest voyage and predicted arrival time data available when needed, enables organisations and

employees to track all the stages of supply and delivery. It will save hours of work while allowing businesses to focus solely on deliveries that are delayed or need attention.

What's more, the arrival information (ETA and ETB) is visible to every relevant party enabling companies to bridge the gap in information between the customer, delivery agents and the supplier. **With data accessible to all stakeholders, unreliable channels such as email, SMS and WhatsApp are no longer needed.** The sharing of information is now accurate, timely, and dependable.

Serve customers better by planning ahead

Increasing business growth and revenue is greatly dependent on knowing where your potential customers actually are.

Businesses have insights on predicted arrival data of competitor vessels (at least 2 days in advance), enabling them to know which vessels are heading where and allowing them to document trading patterns.

Visibility of future port calls help teams provide a customised client experience and offer upsell opportunities, as companies can match their service to customer routes.

By using data to identify vessels' trading patterns, businesses can collate and provide their commercial teams with the information needed to plan customer services - all in one place.

Remove stress and maximise your efficiency

There are few things more stressful than trying to make accurate predictions with inaccurate data.

Reduce the time needed for employees to manually gather information themselves, by offering accurate, data-based predictive vessel movements and vessel behaviour information.
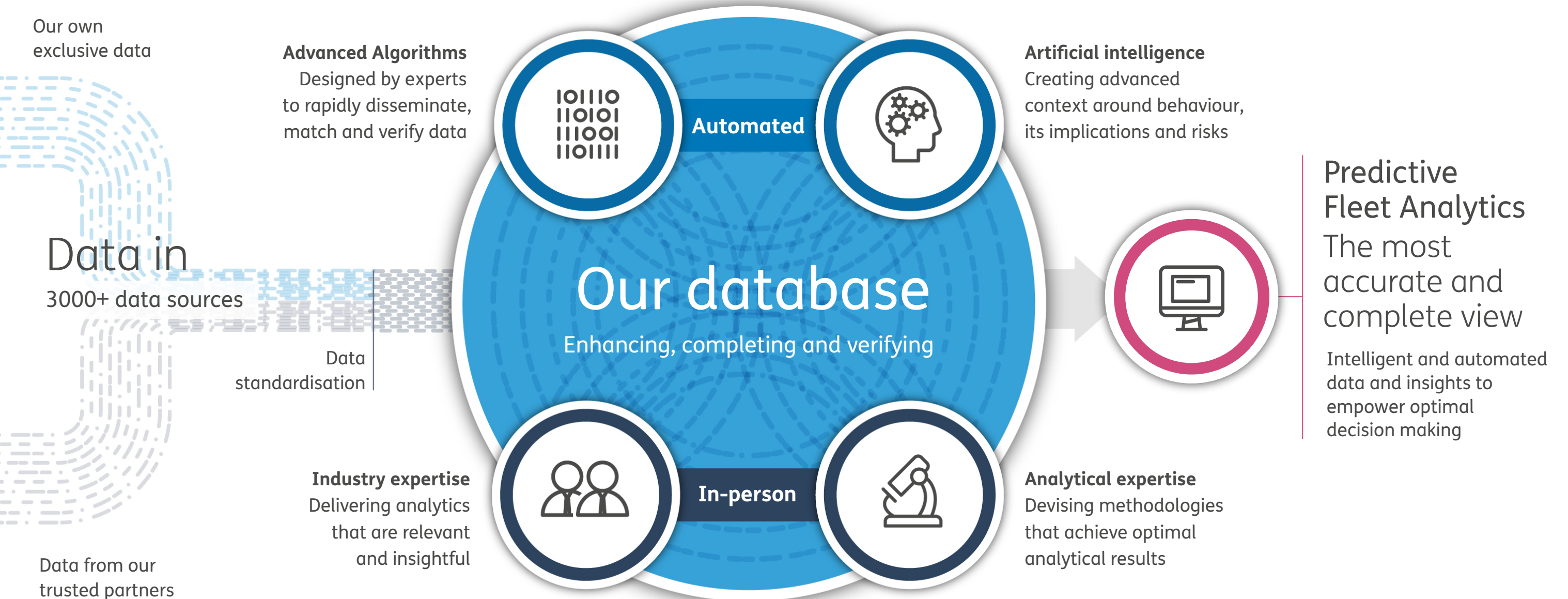
Alerts on predicted arrival times, delays and changes of destination mean you can respond ahead of time and individuals no longer have to compile this information from multiple sources.

The outcome is confident decision-making and time to respond accordingly, plus a full picture of vessel activity to streamline operations.
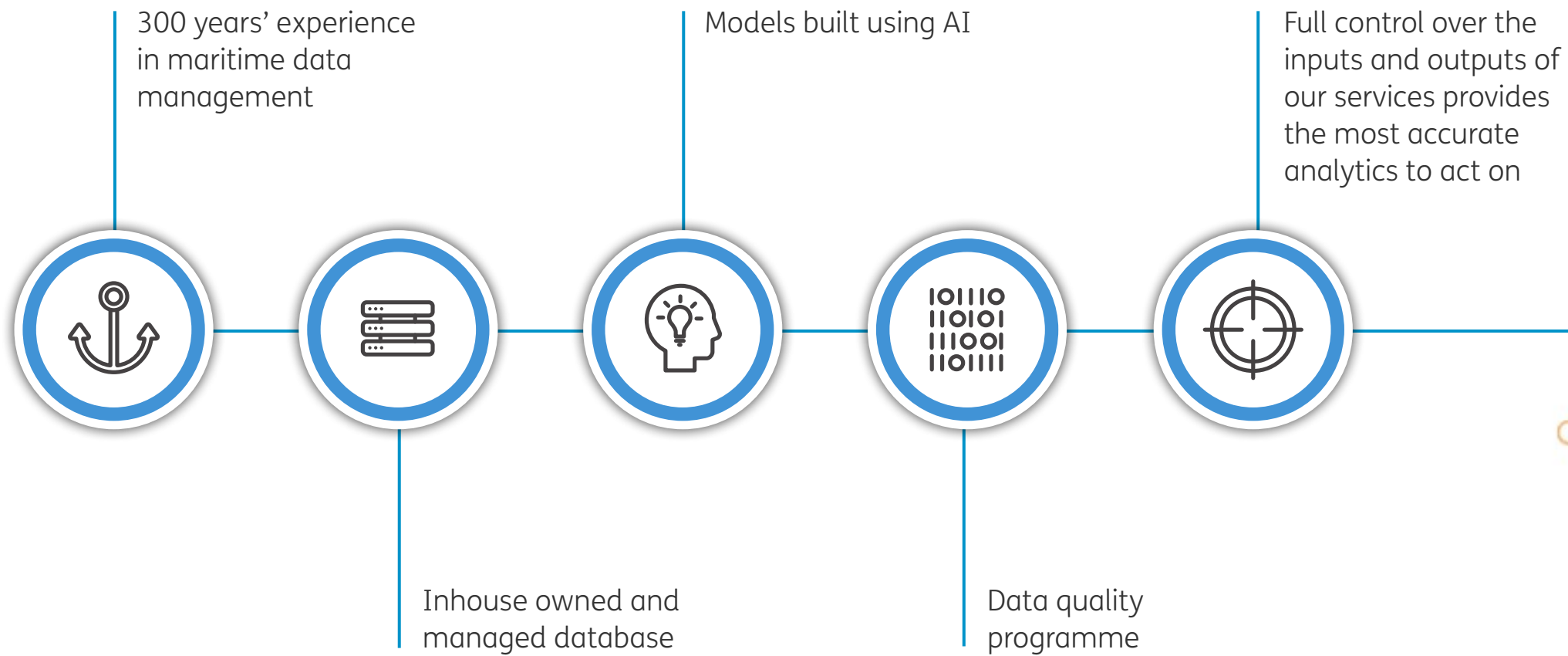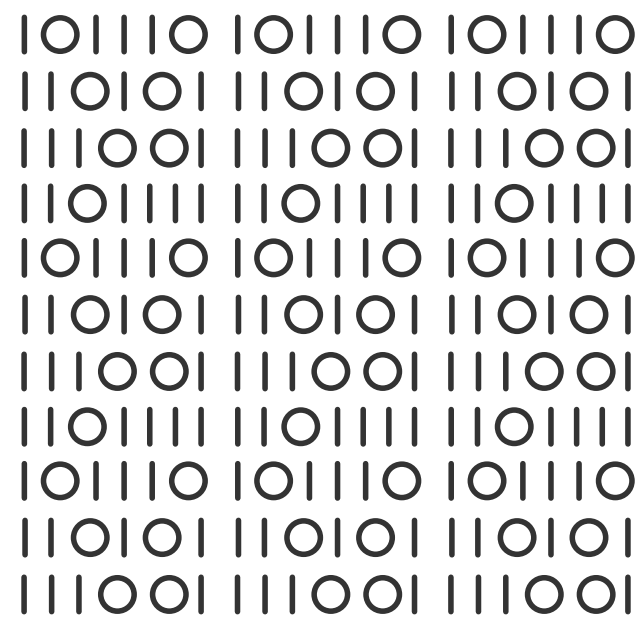
Built on the best data & artificial intelligence

Our own
exclusive data

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

Automated

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

Data in
3000+ data sources

Data
standardisation

Our database
Enhancing, completing and verifying

Predictive
Fleet Analytics
The most
accurate and
complete view

Intelligent and automated
data and insights to
empower optimal
decision making

Data from our
trusted partners

Industry expertise
Delivering analytics
that are relevant
and insightful

In-person

Analytical expertise
Devising methodologies
that achieve optimal
analytical results

How we bring you better data:

300 years' experience in maritime data management

Models built using AI

Full control over the inputs and outputs of our services provides the most accurate analytics to act on

Inhouse owned and managed database
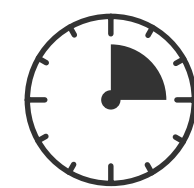
Data quality programme

Predictive Fleet Analytics in numbers...

1 trillion
data points processed to create the models

3,000
data sources worldwide

When we predict the correct destination, we can predict ETA to within...

+/-10hrs
and ETB to within...

1-2hrs

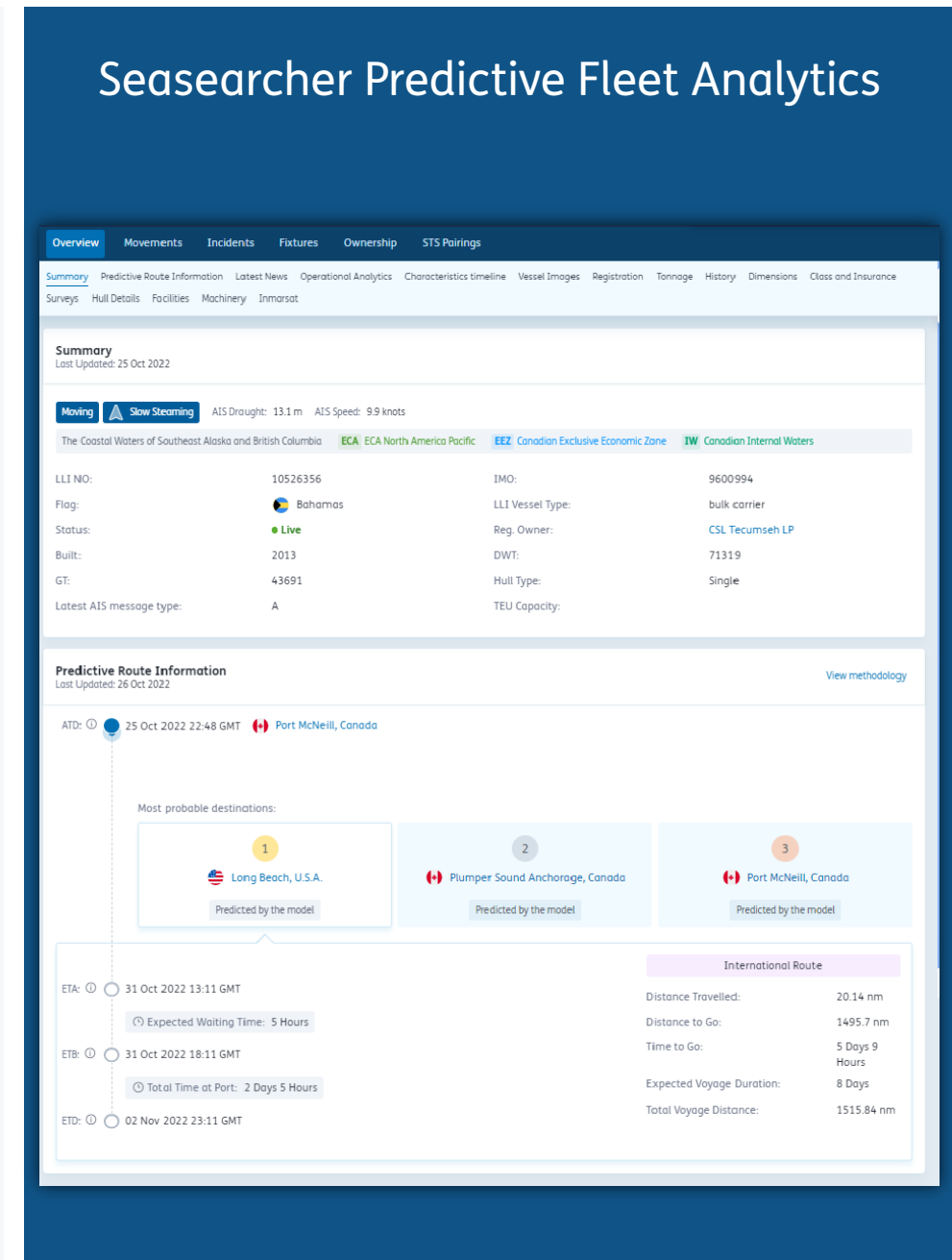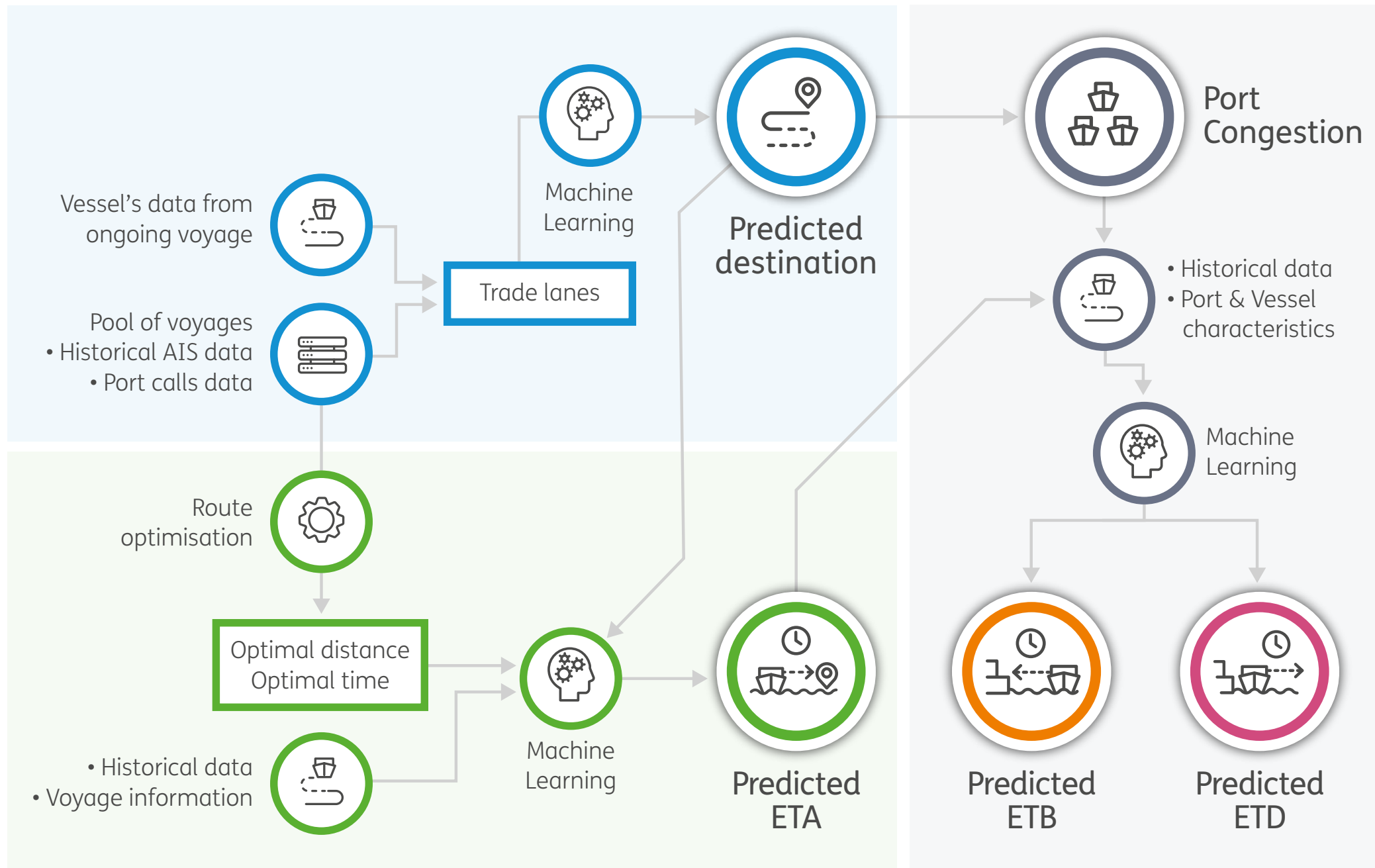Predicted destination with
70%
accuracy, 5 days out

12k+
Ports tracked

38k+
Berths tracked

How it works

Vessel's data from ongoing voyage

Pool of voyages
• Historical AIS data
• Port calls data

Trade lanes

Machine Learning

Predicted destination

Port Congestion

• Historical data
• Port & Vessel characteristics

Machine Learning

Route optimisation

Optimal distance
Optimal time

• Historical data
• Voyage information

Machine Learning

Predicted ETA

Predicted ETB

Predicted ETD

Seasearcher Predictive Fleet Analytics

Lloyd's List Intelligence

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Predictive Fleet Analytics,
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Lloydslistintelligence.com

Transparent and actionable maritime data and analytics powering decisions that drive the safe, efficient, and lawful movement of seaborne trade.

Unique insight since 1734

Trusted by 60,000 professionals

Customers in 110 countries

180 colleagues across the globe

See what's coming