



IHS Markit™

MARITIME & TRADE

Market Intelligence Network (MINT)

Energy Trading
Maritime Intelligence





Market Intelligence Network (MINT)

Get the complete picture of energy cargo trade flow and stay ahead of the competition.

MINT provides commodity trading and energy companies with the market leading online tool for vessel tracking and surveillance of energy commodities from load port to discharge, direct to the terminal and berth facility. Know exactly when and where your customer's and competitor's cargoes are heading at country, regional and port level.

MINT is an easy to navigate map based interface, it allows users to quickly visualise real-time and historical vessel positions delivered from our leading ships, ports and global AIS network intelligence.



Visually track vessels carrying waterborne cargoes from load to discharge, enabling trading houses and bunkering companies to make smarter decisions. MINT's comprehensive terminal level reporting provides analysts with critical insight that will assist in building accurate forecasts and predicting supply and demand changes in the commodities market.

Critical intelligence for commodity traders and analysts

- **Superior global supply and demand Insight**
Forecast commodity imports, quantify volumes of floating storage and assess the impact of operational disruptions at port facilities. Get a bottom-up cargo level view of global supply and demand in key geographic markets
- **Unparalleled coverage in real-time**
Vessel positions data comes from IHS Markit's global network of AIS shore based receivers strategically positioned for reliable coverage in and around ports. Satellite data provides additional coverage for mid-ocean surveillance
- **Improved voyage economics**
Comprehensive ship characteristics data including owner/operator details and extensive port, terminal and berth information. Access to previous port callings, next destination and estimated arrival time

MINT revolutionizes physical commodity trading by providing:

- Detection and tracking of STS and Bunker transfers as they happen and also view a detailed history of activities
- Technical intelligence that matches vessels with specific terminals and refineries for insight on cargoes and competitor activity
- Intelligence that reveals cargo grade specifications, cargo size and buyer/seller identification
- Flow analysis that aggregates cargo movements between regions, countries and ports
- Vessel & zone surveillance to monitor loadings and discharges in real time, assess congestion at anchorages and spot route deviations ahead of the curve

Market Intelligence Network from The TradeNet and IHS Markit supplies the most detailed, accurate and time-saving solution for your daily workflow and will strengthen your in-house analysis with MINT's unique capabilities - the perfect complement to your internal programs.

Actionable Commodity Market Intelligence

Analyse vessel activity by terminal and berth

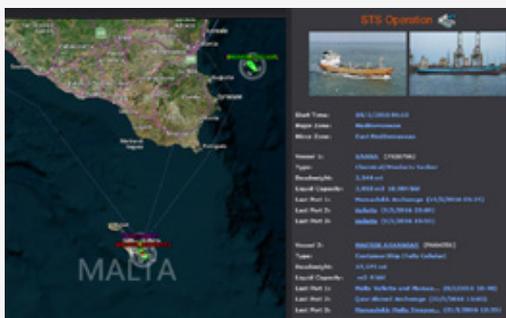
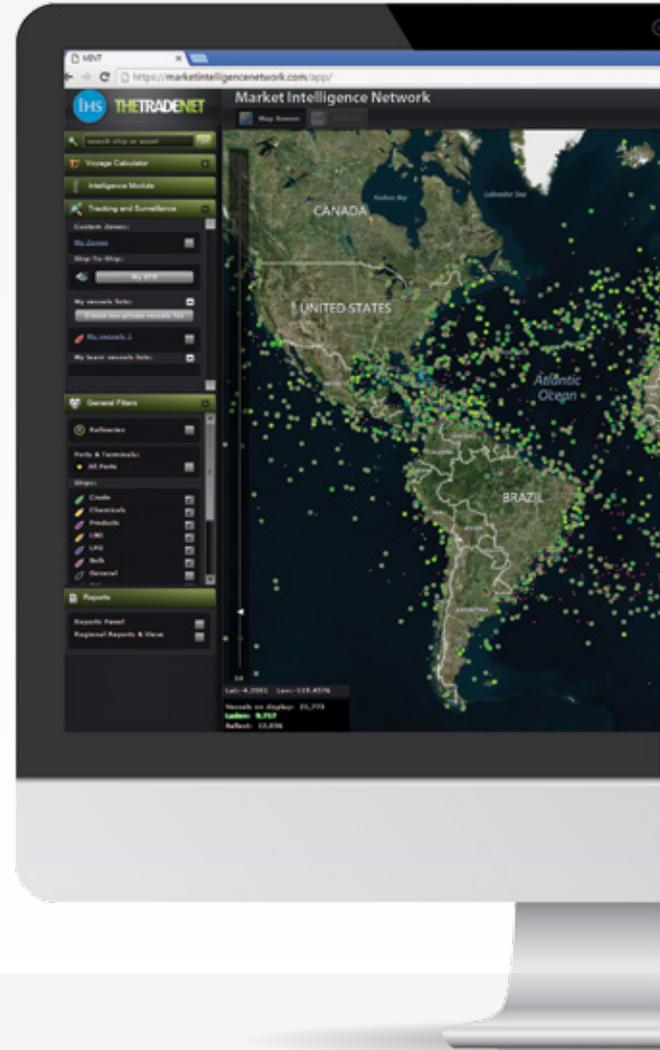
MINT tracks tankers and other vessels to the terminal and even berth level, revealing specific company involvement in commodity movements. Easily see how much product moved in and out of specific refinery docks or leased storage facilities in a given port

STS cargo transfer and bunker activity

MINT detects STS operations in real time and keeps detailed history, allowing traders to fully trace movements from load to discharge even when cargo is exchanged at sea. Bunkering operations are also detected at berth, inside port zones and in open water allowing bunker suppliers to track and analyse their own and competitors' operations. Additionally, track activity for non-IMO bunker barges from a comprehensive database

Reporting by port, region and country level

MINT has extensive real-time and historical reporting capabilities for gaining insight into vessel activity at port, region and country level. Quickly view a vessel's port calling history. Select a port and view reports for arrivals, departures, currently at and port fixtures. Easily sort report results, filter by date, vessel type and private vessel lists with export to excel option for you to carry out further analysis or integrate into your own systems

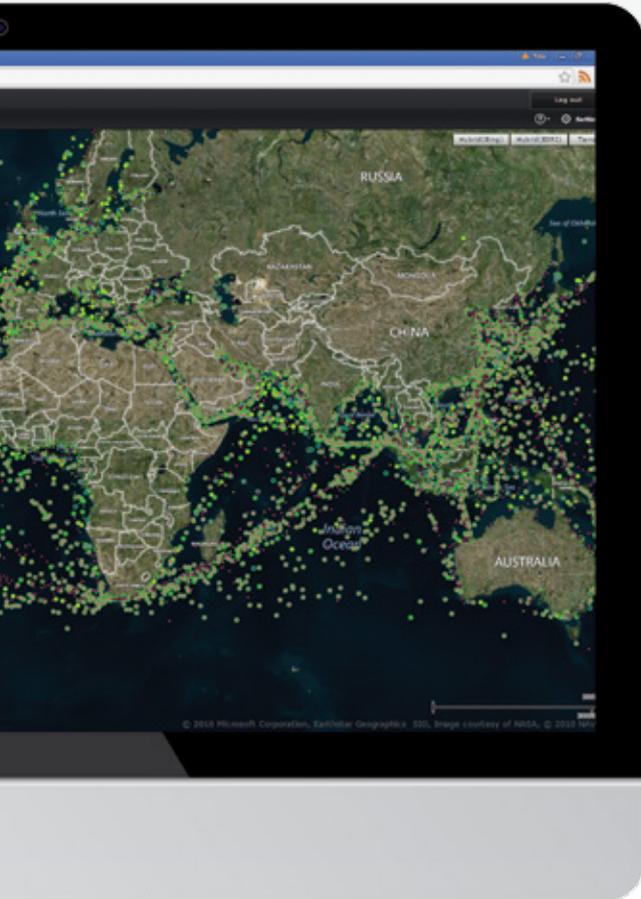


Detect and trace ship-to-ship operations and bunkering activities



Create your own zones to monitor movements of all or specific vessel types leaving and entering a defined area

Save time, exploit opportunities and mitigate risks



Custom Zones

Create comprehensive and detailed zones for monitoring of vessel entry and departure, for example in anchorage areas around ports of interest or across much larger geographies of up to 500,000 square kilometres. Apply fleet filters to monitor only the vessels you are interested in.

Comprehensive fleet monitoring and analysis

Instantly build vessel lists by owner, operator, manager and recent charterer, customize ship records and share with colleagues across desks and offices. Analyze fleet or individual vessel's utilization statistics, ton miles delivered and speed. Visualize fleets on the map and quickly view vessel tracks for multiple vessels concurrently.

Comprehensive alerting

Be notified of changes in vessel destination, ETA and draught. Receive alerts when vessels enter or exit Custom Zones, begin STS activity or are involved in bunkering operations. Setup alerts at the port level to be notified when any vessel changes its destination to that port.

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Quickly visualize the voyage tracks of multiple vessels



Rapidly interrogate cargo flows, re-pivot data and easily understand movements at any level of granularity

LNG, LPG, Iron & Coal Intelligence Modules

Enhance your MINT subscription with additional LNG, LPG, Iron Ore and Coal intelligence modules. MINT's modules provide industry-leading sources of voyage-specific cargo level intelligence with real-time vessel tracking and analytics for traders, analysts, bunkerers, charterers and marketers. Identify the origin gas plant, seller, buyer, discharge volumes, chartering information, destination, arrival time, vessel availability and rates. Make smarter trading decisions and monitor customer and competitor activity in real time with MINT alerts on vessel diversions and new activity in your customized surveillance zones.

Visualize, quantify and monitor gas, iron and coal trade flows between regions, countries and ports with world-class cargo, charter and voyage intelligence to gain a competitive edge.

Complete Visibility of LNG, LPG, Iron and Coal markets

- Full coverage of the LNG, LPG, Iron and Coal capable fleet
- Unrivalled intelligence to predict supply and demand volumes
- Analyse import/export volumes through historical comparisons
- Easily understand movements at any level of granularity
- Comprehensive reporting to support in-house analysis

Accurate destination and arrival intelligence for specific cargo carrying vessels

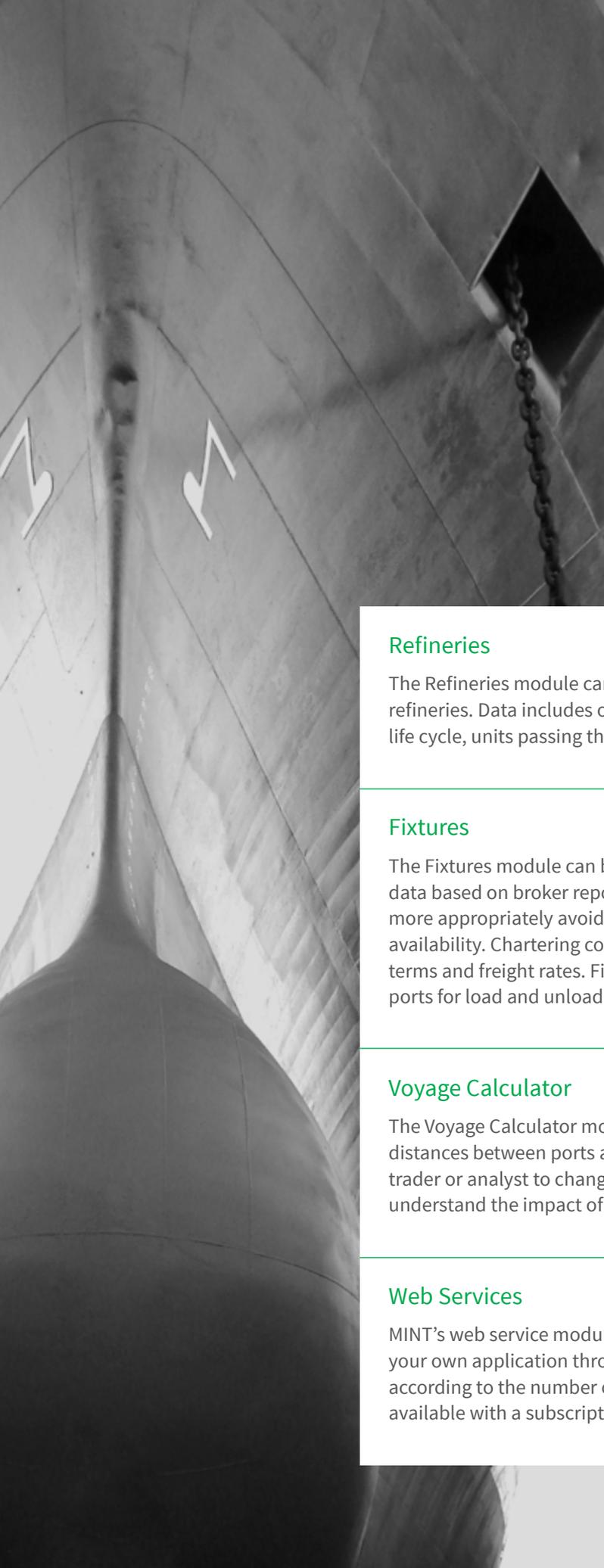
IHS Markit uniquely identifies the cargo specific arrival port name, terminal for load and discharge and analyst-estimated ETA

Monitor & analyse specific cargo flows and import, export volumes

Review macro level intelligence displaying imports and exports at global, regional, country and port level with month-by-month comparisons and drill-down to individual cargoes

Subscription Options

MINT - ADVANCED	MINT - LNG
+ LNG + LPG + Coal + Iron + Refineries + Fixtures + Voyage Calculator + Web Services Add modules to further enhance your subscription to The Market Intelligence Network	+ Voyage Calculator + Web Services
	MINT - LPG
	+ Voyage Calculator + Web Services
	MINT - Iron
	+ Voyage Calculator + Web Services
	MINT - Coal
	+ Voyage Calculator + Web Services



Add-on intelligence modules are available to further enhance your Market Intelligence Network subscription for even greater insight.

Refineries

The Refineries module can be added to MINT and provides data on over 1,100 refineries. Data includes ownership, downstream/upgrading capacities, stage of life cycle, units passing through refinery, and LP-modelled product yields.

Fixtures

The Fixtures module can be added to MINT and provides fixture and chartering data based on broker reports. This allows traders and analysts to schedule more appropriately avoiding early or late-to-port fees and ensuring load point availability. Chartering covers vessels available for rent, and their respective terms and freight rates. Fixtures show vessel space available for rent at various ports for load and unload.

Voyage Calculator

The Voyage Calculator module can be added to MINT and provides data on distances between ports and estimated arrival times/dates. This allows a trader or analyst to change the speed assumption for the vessel or routing to understand the impact of those changes on ETA and thereby margins.

Web Services

MINT's web service module enables you to download vessel information into your own application through a standard web service. The module is charged according to the number of records downloaded. The web service is only available with a subscription to MINT

About IHS Markit

IHS Markit is the leading information company with comprehensive content, insight and expertise in pivotal areas shaping today's global business landscape: energy, economics, geopolitical risk, sustainability and supply chain management.

Businesses and governments around the world use our products and solutions to make faster and more confident decisions.

IHS Markit has an unmatched team of professionals with a deep understanding and historical perspective of the industries served. United by a mission of excellence and unparalleled focus on client service, the information solutions provided help customers navigate risk, gain clarity around complex issues, develop targeted strategies and ultimately make better business decisions.

We hold the largest maritime database in the world, evolved from The Lloyd's Register of Ships which has been continuously published since 1764.

Our Maritime & Trade solutions enable you to track live ship positions with unrivalled AIS coverage; identify the world fleet, the owners, operators and managers; receive insights for profitable, efficient and safe shipping; and plan a port call with ease.

With extensive ship, movement, casualty, company, port and news databases, as well as research, forecasting and consultancy services, IHS Markit Maritime & Trade has developed a range of high quality products and services that are unique to the industry.

As the sole originating authority for assigning and validating IMO Ship and Company numbers, our databases are able to guarantee a level of comprehensiveness no-one else can.

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About The TradeNet

TheTradeNet provide innovative software solutions. Specialising in Agile development, TheTradeNet successfully deliver systems for the maritime, commodity and financial trading communities. Established in 2009, TheTradeNet is managed and run by trading and IT industry experts.

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