



Take control of your emissions management with Risk Manager

Simulate, Plan and Monitor your FuelEU and
EU ETS exposure effortlessly in one platform



EU ETS and FuelEU: Understand what you're up against

The EU has an aim of driving a 55% reduction in EU emissions by 2030. To support this goal, it has introduced new regulations for the maritime industry into its Fit for 55 package of legislation.

This began with the expansion of the EU Emissions Trading System (EU ETS) to the maritime sector in January 2024, which introduced a requirement for European Union Allowances (EUAs) to be submitted that are equal to a vessel's CO₂ emissions on EU and EEA routes.

The restrictions set out under the EU ETS are increasing exponentially. With EUAs equivalent to 40% of verified emissions required in September 2025, rising to 70% in September 2026, and then 100% in September 2027.¹

FuelEU is introducing additional regulatory challenges to this complex landscape. The adoption of renewable and low-carbon fuels in maritime transport is now required, and monitoring and reporting of the Greenhouse Gas (GHG) intensity of energy used onboard must be completed, with penalties for non-compliance.

This all adds complexity to maritime operations and poses new risks for ship managers, shipowners, operators and charterers.

Understanding your role and meeting each regulation's requirements is crucial to avoid non-compliance and potential financial penalties.

How can you effectively handle FuelEU and EU ETS exposure and ensure compliance?

Find out more about FuelEU and EU ETS

¹ LR: EU ETS and FuelEU call for proactive risk management



Introducing Risk Manager

Access a complete view of your FuelEU and EU ETS exposure in one easy-to-use platform.

Risk Manager leverages our extensive global experience in vessel routing backed by the industry's best vessel models, weather forecasts, and route optimisation engine to help you accurately manage your FuelEU and EUA exposure in a single, easy-to-use platform.

You'll gain the insights to optimise compliance strategies, track performance and manage costs at every stage of a voyage.

Take control of all your compliance management by accessing both the FuelEU and EU ETS modules within Risk Manager. Or choose the module that best meets your fleet's current compliance challenges.



Risk Manager FuelEU: Effortlessly oversee exposure and compliance balance

Get a complete view from initial simulations based on fuel choice, to changes in exposure and pooling scenarios across three key areas of functionality.



Accurately estimate voyage exposure with our simulation tool, powered by industry-leading in-house vessel models and a multi-objective routing engine.

- Understand your voyage's GHG intensity and compliance balance by generating voyage scenarios with defined voyage parameters and fuel options
- Manage your fuel strategy and optimise your compliance balance by defining voyage GHG intensity targets
- Build multi-leg voyages



Easily understand your compliance balance and underlying consumption data while planning ahead and simulating the impacts of banking, borrowing, and pooling.

- Visualise FuelEU compliance at both fleet and vessel level based on GHG reduction targets
- Identify risks and assess favourable pooling options based on current and projected performance
- Simulate pooling options with third party vessels



Track vessels' realised compliance costs, balance your exposure, and access comprehensive voyage validation statements through our integration with LR Emissions Verifier.

- Automatically ingest Noon Report data for a holistic view of your compliance status
- Gain insights into past performance by exploring historic voyages and reported data
- Understand consumption for each voyage and identify factors driving intensity, compliance balance, and costs
- Access validation reports and consumption statements in one place by linking with your LR Emissions Verifier subscription

Risk Manager EU ETS: Cover all compliance angles

From initial simulations to changes in exposure, the Risk Manager EU ETS solution provides everything you need to gain a comprehensive picture of your fleet's compliance across three key areas.



Accurately estimate voyage exposure with our simulation tool, powered by industry-leading in-house vessel models and a multi-objective routing engine.

- Define optimisation scenarios and voyage parameters
- Compare simulated scenarios to assess exposure
- Save voyages to a ship and allocate exposure to responsible parties
- Build multi-leg voyages
- Analyse EUA costs and CII impact for the voyage



Quickly grasp your exposure and explore the underlying data with ease, ensuring alignment and efficient management of owed and outstanding balances.

- Easily import Union Registry transaction data
- Gain insights and situational awareness of your total exposure from start to finish
- Visualise EUA balances to be surrendered and see your EUA burn rate
- Analyse data at the fleet or vessel level
- Obtain detailed voyage history and associated emissions statements
- Connect accurate forecast and actual exposure, with live spot prices and Union Registry accounting



Track a vessel's realised exposure and CII score for each voyage, accessing comprehensive data through integration with LR Emissions Verifier.

- Download consumption statements
- Access validation reports and consumption statements in one place by linking with your LR Emissions Verifier subscription
- View emissions history, historical voyages, and reported data for a selected vessel enrolled with Risk Manager

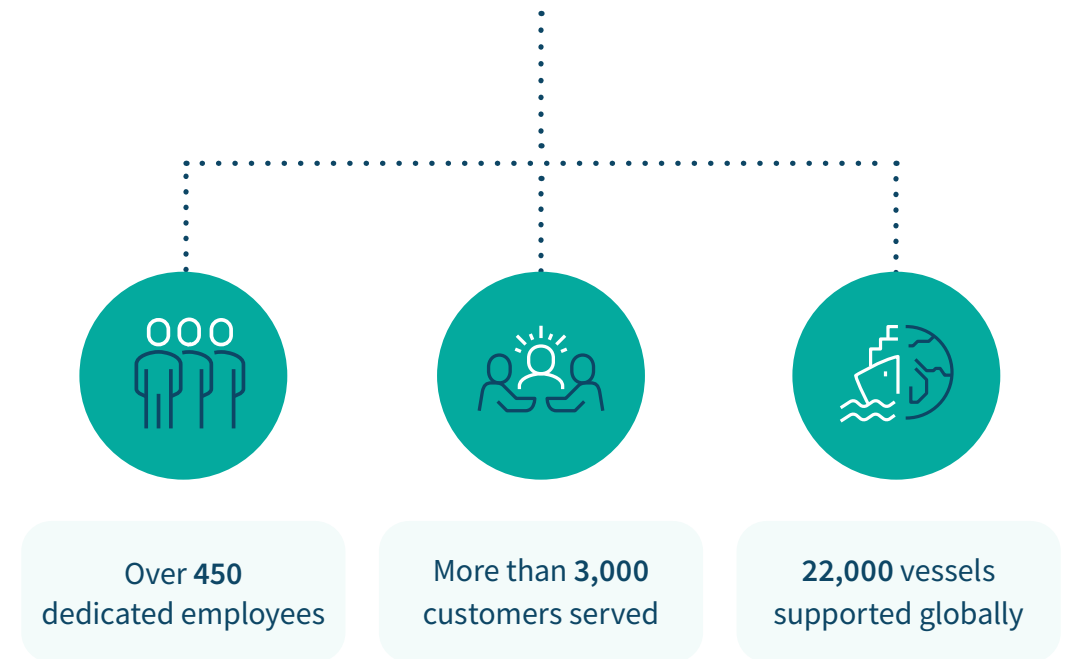


Choose LR OneOcean for a comprehensive, reliable, and forward-thinking approach to Emissions Management.

Our team includes experts in product development, performance modelling, and vessel operations, ensuring cutting-edge technology and exceptional service.

By aligning with Lloyd's Register's vision and values, LR OneOcean combines innovative digital solutions with deep industry expertise to optimise voyage performance, ensure compliance, and enhance operational efficiency.

OneOcean, a core division of Lloyd's Register, offers unparalleled digital solutions within the maritime industry



Take charge of your emissions management with Risk Manager

Visit oneocean.com/riskmanager to find out more.

