

LIGHTHOUSE

Powered by **PETERSON**

Illuminating your logistics supply chain

An introduction to Lighthouse



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Regulatory shifts, escalating cost pressures, and emission mandates demand action. Now is the moment to adopt an intelligent, future-fit logistics model with Lighthouse at its core.

Sarah Moore, CEO, Peterson Energy Logistics

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Logistics is evolving

Logistics is a critical enabler of the energy transition and the need for a strategic, efficient, data-driven approach is paramount.

Lighthouse, which digitises the end-to-end supply chain, offers real-time insight, analysis, and planning tools which deliver cost control, decarbonisation, and efficiencies on a global scale.

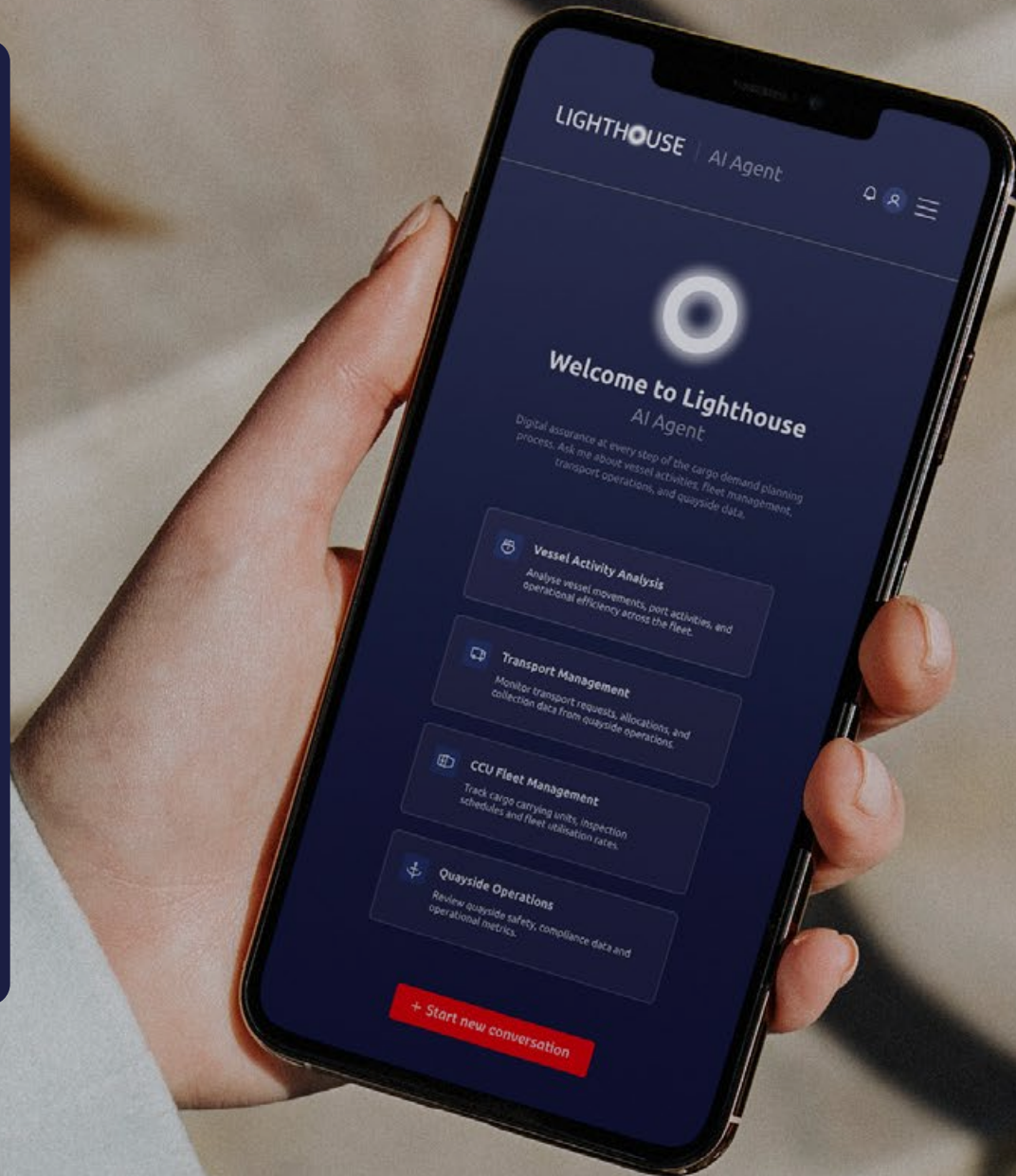


Lighthouse - empowering a quiet, seamless logistics supply chain

Streamlining operations, enhancing visibility, and identifying efficiencies across the energy spectrum.

Harnessing Lighthouse AI for intelligent data-analysis for informed, timely, and impactful decision-making.

Lighthouse has it covered.



What is Lighthouse?

An ecosystem of software applications which digitises the full logistics process. With Lighthouse AI enabled for smart analysis, Lighthouse empowers streamlined operations across complex logistics environments.

Lighthouse is available as a SaaS product or as part of Peterson's market-leading logistics offering.



Lighthouse delivers

- ✓ Real-time cargo and material visibility
- ✓ Digital planning and task management
- ✓ Embedded best in class HSEQ processes
- ✓ Consolidated operational data
- ✓ AI enabled

Giving you

- ✓ Visibility and control of critical assets
- ✓ Smarter, data driven decisions
- ✓ Seamless global coordination across your end-to-end logistics operations
- ✓ Real-time insights via reporting or AI interaction

A magnifying glass with a black handle is positioned on the left, its lens reflecting the warm, blurred lights of the background. To its right is a tall stack of gold-colored coins. Several other coins are scattered on the surface around the base of the stack. In the background, a calculator is visible, and the overall scene is bathed in a mix of cool blue and warm orange-yellow light, creating a bokeh effect with out-of-focus light sources.

32%

Efficiency driven cost
reductions across the
logistics supply chain

22%

Significant reductions in
CO₂ emissions through
improved planning and
execution



Efficiency

Faster, smoother,
connected workflows



Optimisation

Using AI based tools to
automate the optimisation of
key planning processes

Visibility

Real-time visibility of
operations, anywhere



Safety & Compliance

Embedded HSEQ processes, digital
audit trails and auto triggered alerts
and notifications

Data-First

Delivers operational insights
through reporting and LLM
integration make decisions
based on fact and feeling



Why it matters



Our Lighthouse suite

Choose the apps that are right for you

End-to-end or mix and match.
Modular tools. AI enabled. One
connected ecosystem.

Allocate

Split vessel costs
with precision

A

Contain

Track containers in
real-time

C

Flow

Manifest, digitise
and coordinate
quayside operations

F

Hire

Manage offshore
rentals end-to-end

H

Manage

Control high-risk
backload or inbound
cargo

M

Plan

Optimise in-port
vessel scheduling

Pn

Transport

Coordinate road
freight movement
centrally

T

Request

Reduce offshore
trips with shared
vessel planning

R

Voyage

Centralised tracking
of vessel activity

V

Pack

Streamline
warehouse and
material flows

Pk

Insights

All Lighthouse
data available in
real-time

I

Architecture, security & trust

Built with and used by logistics industry experts who use the technology day-in, day-out for smooth operations.



Web based application
– accessible 24/7 where
internet connectivity is
available.



Role based security with
ability to integrate with
Azure Active Directory for
Single Sign on.



Track user activities.



Use of AI technologies for
process optimisation (ML) and
operational insights (LLM).



Data can be accessed by a
business intelligence layer
for enhanced reporting and
operational and behavioural
insights.



ISO 27001 accredited.



Azure Cloud hosted applications, support local region deployment.



Solution is linked to Peterson master data system to standardise master data information, reuse of information and to auto fill data (like cargo dimensions) for user. Can also be linked to external master data source if available.



Single sign-on capability and customer active directory integration.



Integrate with third party applications to remove data entry duplication, streamline processes and support a single source of truth approach.

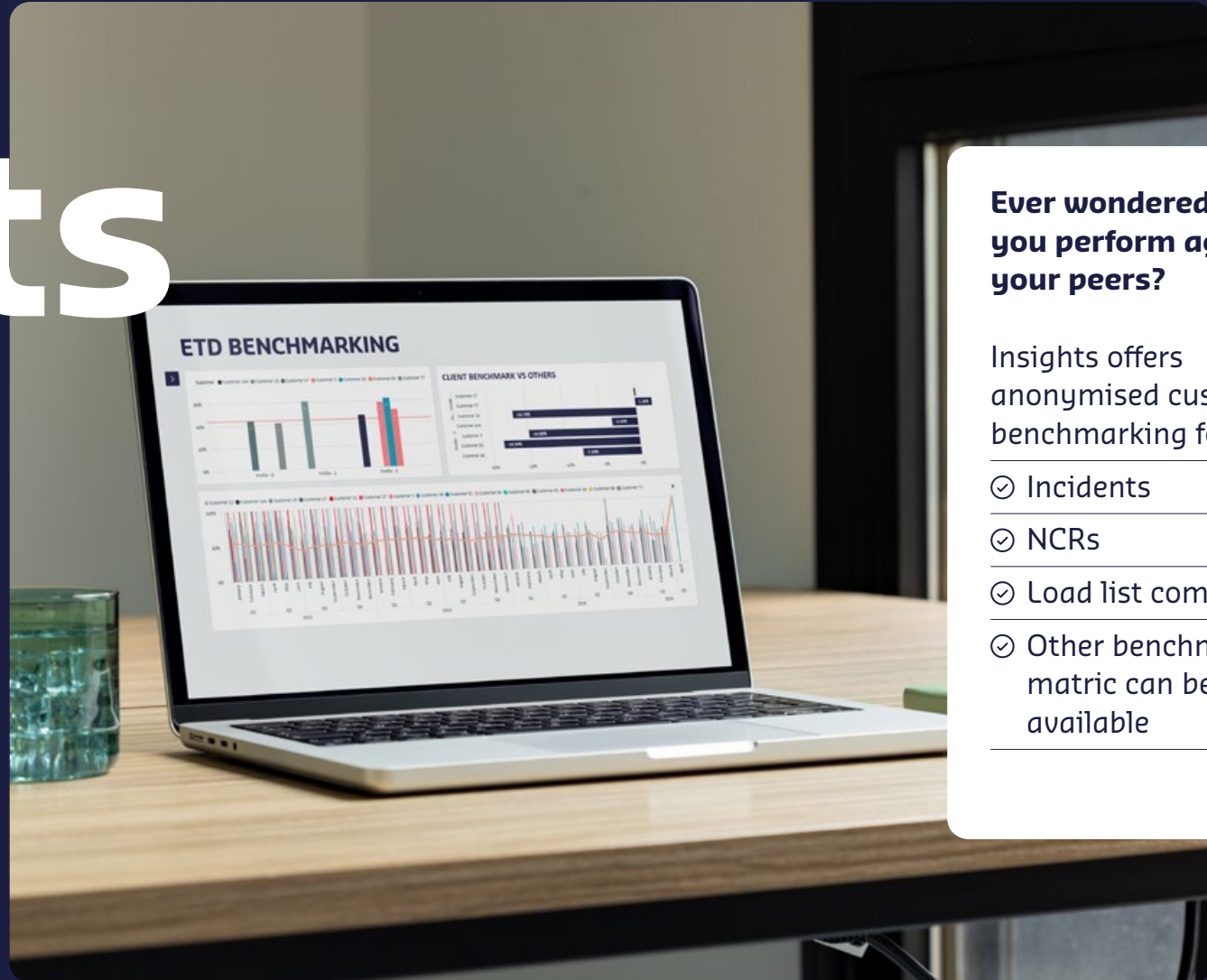


Data-first insights

The value of data isn't in what you see, but in what you understand. Peterson transforms data into insights and intelligence. Lighthouse is empowering decisions that not only respond to today, but anticipate tomorrow.

Lighthouse delivers real-time access to operational insights and key performance data through a single customer-focussed portal.

Lighthouse, powered through Lighthouse AI, analyses a robust data set to provide insightful summaries and reasoned considerations which can lead to tangible optimisation and efficiencies to minimise non-productive time, carbon footprint, and resources, while optimising asset usage.



Ever wondered how you perform against your peers?

Insights offers anonymised customer benchmarking for:

- ✓ Incidents
- ✓ NCRs
- ✓ Load list compliance
- ✓ Other benchmarking matrix can be made available

