



GREEN CHARTER™

Charting the course to Net Zero and commercial efficiency by transforming Charter Parties into collaborative relationships

Inefficiencies baked into Charter Parties hold the industry back from profitable decarbonization

Legacy Charter Party Agreements are outdated structures that originated before modern computing technology and rely on static descriptions and parameters. Counterparties are disincentivized from open collaboration due to the penalty-focused cost structure of existing frameworks, resulting in misaligned commercial structures, economic waste, and excess emissions.

Nautilus's Green Charter™ unlocks win-win Charter Parties

Green Charter™ powers a collaborative and innovative commercial relationship and replaces inefficient, limiting, and penalty-focused clauses. As a revolutionary legal framework based on real-time vessel performance and machine learning technologies, Green Charter™ drives trust and confidence between Owners and Charterers, unlocking improved commercial and environmental outcomes. Drive positive change in the industry and help propel it into the future and benefit from:

	For Owners	For Charterers
Commercial Benefits	<ul style="list-style-type: none"> – Deepen relationships and open strategic growth opportunities with partners through the sharing of valuable insights and proactive engagement – Reduce claims risk and overhead – Ensure efficient operational decision-making through collaborative optimization and adherence tracking – Future-proof your business to navigate the increasing cost and pressure of decarbonization while still optimizing commercial results – Leverage accurate and dynamic description of vessel performance that is reflective of real conditions – Move away from static vessel descriptions that may underestimate a vessel's worth 	<ul style="list-style-type: none"> – Gain visibility into your fleet's real performance, enabling your business to plan for the future with confidence – Reduce claims overhead and focus on proactive claims mitigation – Mitigate risks associated with multi-million dollar contracts through access to data and predictive simulations and improve accuracy of fuel estimates and financial planning – Facilitate operational and technical decision-making as a result of shared performance insights based on machine learning technology and simulations – Unlock ranges of operational speeds with a dynamic speed curve and move away from imposed limited speeds in legacy frameworks – Benefit from fuel savings with an owner proactively maintaining the vessel at top performance
Environmental Benefits	<ul style="list-style-type: none"> – Gain more control on vessel's Carbon Intensity Indicator (CII) grade and emission footprint by giving operators the data and resulting simulations to operate the vessel efficiently – Optimally schedule maintenance activities based on shared understanding of vessel performance and simulations – Avoid arbitrary, predetermined schedules that may either be overdue or not required 	<ul style="list-style-type: none"> – Make the lowest-carbon chartering choice through access to Owner's track record of technical management efficiency – Unlock ranges of operational speeds through a dynamic speed curve that allow the most optimal speed to lower emissions – Benefit from unmatched insights to manage the vessel's Carbon Intensity Indicator (CII) scores, strengthening the relationship with the vessel Owner – Level up your organization's operational decision-making by leveraging simulations to understand the impact of speed, ETA changes, routes, and other factors on your fuel consumption and emissions



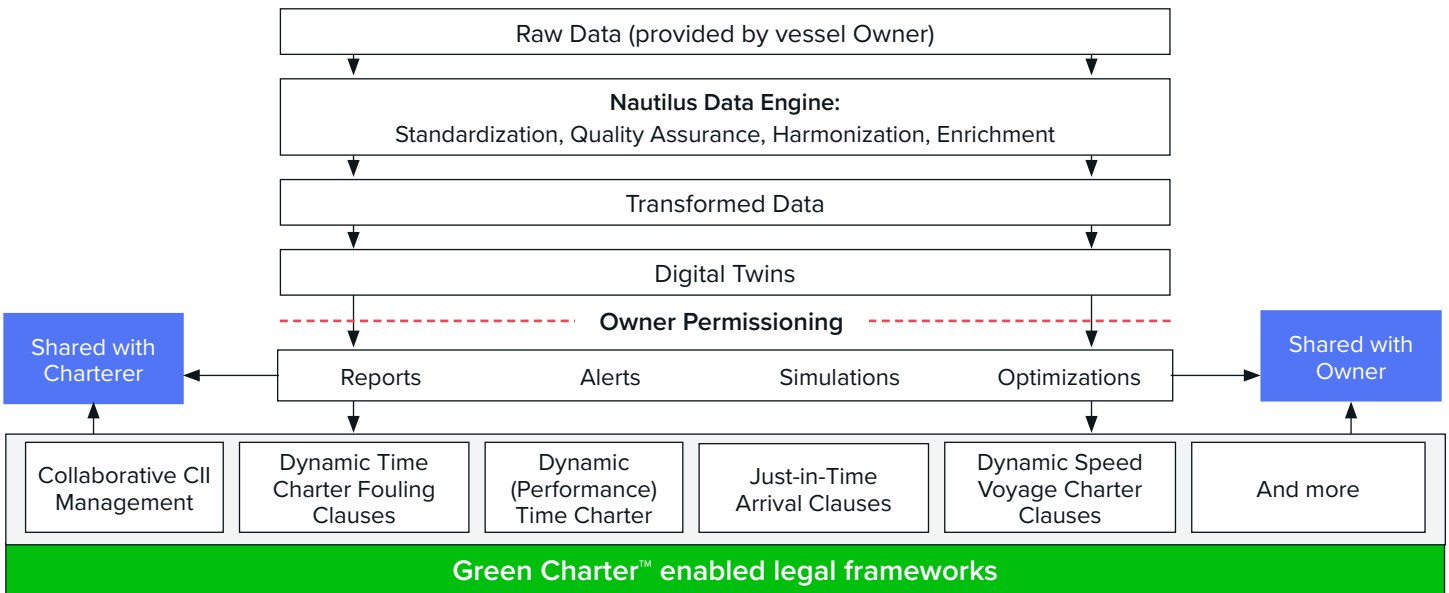
Green Charter™ enables dynamic Charter Party clauses

Green Charter™ revolutionizes Charter Party structures and unlocks transformative business outcomes and legal frameworks that include:

- Collaborative CII Management: Management of both operational and technical performance of the vessel to maintain peak efficiency and agreed-upon CII scores
- Dynamic Time Charter Fouling Clauses: Clauses that warrant corrective actions once thresholds have been crossed relative to Nautilus’s Digital Twin, ensuring both parties are proactively managing the technical performance of the vessel to reduce excess emissions and fuel consumption
- Dynamic (Performance) Time Charter Clauses: Clauses that establish a dynamic speed and consumption curve based on Nautilus’s Digital Twin based on actual performance instead of a static description of vessel performance. These clauses unlock dynamic speed ranges, allowing to assess performance beyond certain speeds, and updated performance profiles that reflect true vessel performance
- Just-in-Time Arrival Clauses: Clauses that enable concepts such as Virtual Arrival with dynamic speeds to arrive at port at an agreed-upon date and time based on Green Charter™ simulations
- Dynamic Speed Voyage Charter Clauses: Clauses that eliminate speed restrictions of Voyage Charters and unlock optimal speeds based on Nautilus’s Digital Twins and Green Charter™ simulations
- And more.

Green Charter™ powered by Nautilus Labs’s Digital Twins

Those Green Charter™– enabled legal frameworks are powered by Nautilus’s Digital Twins. Our Digital Twins leverage machine learning and enriched high-frequency sensor data as a single source of truth. Green Charter™ generates comprehensive reports, alerts, and simulations, and highlights opportunities for optimizations, maintenance, and improvements across operational and technical parameters.



Future-proof your business with Green Charter™

Be part of the shipping industry’s move towards greener and more commercially efficient legal frameworks powered by machine learning technology. Get your free consultation to understand how we can help you build better commercial relationships and reduce your carbon emissions.

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