

Dorian LPG's Drive Toward Sustainability (Part II)

Optimizing Fleet Performance with Sofar Ocean's Real-Time Weather Data and Adaptive Ship Models

Stamford, CT – February 27, 2025. Dorian LPG (NYSE: LPG) reiterates its commitment to sustainability as a critical factor in optimizing operational efficiency and shareholder value.

This latest update focuses on the integration of Sofar Ocean's Wayfinder platform to optimize fleet performance and reduce emissions. With real-time weather data and adaptive ship models, Dorian LPG has enhanced its operational efficiency, achieving savings and improving its environmental footprint.

Dorian's Commitment to Sustainability

Dorian LPG is dedicated to sustainability in several ways that not only stand to benefit the environment but also lower the bottom-line costs of its operations and improve the company's overall emissions. Dorian LPG has structured its sustainability strategy around four key pillars: (a) Health & Safety first and foremost, (b) Optimizing Fleet Performance to reduce fuel costs and emissions, (c) Enabling Ammonia-as cargo, and (d) Inclusiveness (Ship & Shore). These pillars guide the company's efforts in creating a more responsible and efficient maritime future.

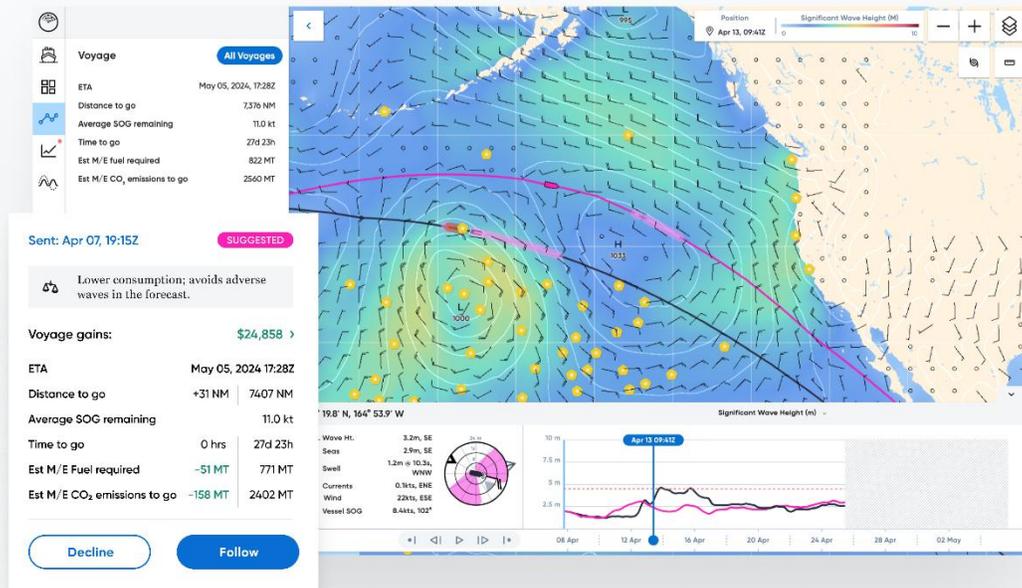
Optimizing Fleet Performance

Continuously improving operational efficiency and reducing fuel costs is part of Dorian's ongoing effort to reduce emissions using a multipronged approach. In our previous announcement dated September 5, 2024 ([click here](#)), we discussed how Dorian LPG achieved significant fuel savings and enhanced fleet performance through advanced hull coatings provided by Hempel. These technical upgrades, such as the application of silicone-based coatings and energy saving devices, are saving millions in underlying fuel costs and improving each ship's emissions profile.

Enhancing Ship Routing Efficiency

Further building on these efforts, Dorian LPG has adopted Sofar Ocean's Wayfinder platform to enhance ship routing efficiency. Powered by the world's most accurate

marine weather data, the Wayfinder platform provides voyage optimization to maximize the safety, efficiency, and profitability of every Dorian LPG voyage. Wayfinder combines marine weather intelligence from its global network of real-time ocean sensors with market and vessel performance data to dynamically adjust routes and RPMs (Revolutions Per Minute). This combination ensures safer and more fuel-efficient voyages.



Another key component of Dorian LPG's approach is the use of adaptive ship models. These models, fine-tuned through extensive vessel-specific testing and enhanced with machine learning tools, allow the company to predict vessel performance more accurately under varying conditions. Unlike traditional static models, Dorian LPG's adaptive models learn and improve over time using data from Wayfinder and the vessels. The company's models integrate Wayfinder's highly accurate real-time resistance data, and account for variables such as weather patterns, sea state, and crosswinds. This enables dynamic adjustments that optimize engine RPM and yield greater fuel and emissions savings.

Achieving Savings & Improving Environmental Footprint

Between October 2023 and December 2024, Dorian LPG's use of Wayfinder resulted in average cost savings of \$26,000 per voyage, a 9% average reduction in fuel consumption per voyage, an average reduction of 77.5 metric tons of CO2 emissions per voyage, and significant time savings. These reductions not only provide immediate cost savings but also translate into additional long-term financial benefits through lower carbon tax liabilities, as carbon pricing mechanisms become more prevalent across global shipping routes to Europe and beyond.



Leveraging Advanced Technologies

Mr. Peter Hadjipateras, Chief Information, Security & Sustainability Officer at Dorian LPG stated:

“We view weather routing and route optimization as core pillars in our efforts to save fuel and decarbonize both our fleet and the industry. Over the years, we have evaluated several leading routing software solutions, and subjected Sofar’s Wayfinder platform to an intensive 18-month trial. We have watched their product mature into a best-in-class routing algorithm, supported by what we believe is the finest proprietary weather network available and a user-friendly interface. We are highly appreciative of the approach Sofar Ocean has taken and look forward to continuing our cooperation as it is a key lever in our decarbonization strategy. These results highlight the potential of leveraging advanced technologies to enhance both operational performance and sustainability efforts.”

Propelling toward a Greener Future

Dorian LPG recognizes that improving fuel efficiency through voyage optimization is a key component of broader decarbonization efforts. As part of its commitment to meeting global climate goals and complying with regulatory frameworks, the company continuously seeks to improve its fleet performance and reduce emissions.

Moreover, by introducing optimization protocols incrementally and equipping crews with the necessary tools and training, Dorian LPG is fostering a flexible and efficient operational framework. This proactive strategy positions the company to adopt advanced technologies more effectively, securing a competitive edge as the industry transitions to stricter emissions regulations.

Mr. Tim Janssen, co-Founder & Chief Executive Officer at Sofar Ocean stated:

“Dorian LPG’s results demonstrate how Sofar’s real-time marine weather intelligence improves operational efficiency and sustainability,” said Tim Janssen, co-founder and CEO of Sofar Ocean. “Wayfinder’s dynamic voyage optimization significantly reduces fuel consumption and emissions, while improving overall fleet performance. We are proud to support Dorian LPG’s decarbonization efforts and look forward to our continued partnership.”

Innovation and Collaborations Driving Progress in Sustainability

The cooperation between Dorian LPG and maritime technology providers illustrates how innovative solutions and strategic collaborations can drive meaningful progress in sustainability.

As Dorian LPG expands its sustainability initiatives, the company's focus on integrating technology and promoting best practices will be instrumental in achieving long-term success in decarbonization, operational efficiency and market competitiveness.

This article is the second installment in **Dorian's Updates on Sustainability Initiatives**, focusing on optimizing fleet performance. The first article explored how Dorian LPG enhanced efficiency through advanced hull coatings, reducing drag and improving hydrodynamic performance. To read the first installment, click [here](#).

About Dorian LPG Ltd.

Dorian LPG (NYSE: LPG) is a leading owner and operator of modern VLGCs that transport liquefied petroleum gas globally. Our fleet currently consists of twenty-five modern VLGCs, including twenty ECO VLGCs and four dual-fuel ECO VLGCs. Dorian LPG has offices in Stamford, Connecticut, USA; Copenhagen, Denmark; and Athens, Greece. For additional information, you may visit the website: www.dorianlpg.com.

Forward-Looking and Other Cautionary Statements

This press release contains "forward-looking statements." Statements that are predictive in nature, that depend upon or refer to future events or conditions, or that include words such as "expects," "anticipates," "intends," "plans," "believes," "estimates," "projects," "forecasts," "may," "will," "should" and similar expressions are forward-looking statements. These statements are not historical facts but instead represent only the Company's current expectations and observations regarding future results, many of which, by their nature are inherently uncertain and outside of the Company's control. Where the Company expresses an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. However, the

Company's forward-looking statements are subject to risks, uncertainties, and other factors, which could cause actual results to differ materially from future results expressed, projected, or implied by those forward-looking statements. The Company's actual results may differ, possibly materially, from those anticipated in these forward-looking statements as a result of certain factors, including changes in the Company's financial resources and operational capabilities and as a result of certain other factors listed from time to time in the Company's filings with the U.S. Securities and Exchange Commission. For more information about risks and uncertainties associated with Dorian LPG's business, please refer to the "Management's Discussion and Analysis of Financial Condition and Results of Operations" and "Risk Factors" sections of Dorian LPG's SEC filings, including, but not limited to, its annual report on Form 10-K and quarterly reports on Form 10-Q. The Company does not assume any obligation to update the information contained in this press release.

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