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To	All Surveyors/Auditors. All flags
Title	<b>Retrofit options</b>
Reference	RETROFIT

**RETROFIT OPTIONS**

Shipowners looking to improve their existing assets are faced with an array of retrofit options, each offering varied potential dependent on a range of factors. These factors can include competing technologies, vessel age and design, the evolving regulatory environment and specific fleet compliance challenges, among others.

Meanwhile, charterers often have changing or diverse requirements depending on cargo type, routing, operational conditions and market factors. As industry trends toward more efficient operations and lower emissions, charterers are increasingly analyzing the performance of vessels to prioritize options that best align with their environmental and cost goals.

Adding to these challenges even further is the dynamic nature of vessel operating profiles, which require nearly constant optimization at technical and operational levels. Timely and informed decisions are essential to adapt to changing conditions and maximize efficiency.

With ambitious emissions targets on the horizon, retrofitting can play a critical role in achieving compliance and maintaining economic viability. Such upgrades could potentially enhance a fleet or vessel's environmental performance, optimize energy consumption, extend service life and increase appeal to potential charterers.

Still, shipowners must carefully evaluate retrofit solutions to verify they align with their operational profiles and long-term goals while maintaining safety and reliability. In addition, EETs requiring drydock space or time for ordering and manufacturing to a specification will need advance project planning.

The industry's efforts to improve efficiency and reduce emissions can broadly fall into one of two categories: energy management and/or energy transition.

Enhancing operational measures or using EETs for hull, propeller and shipboard systems to optimize a vessel's energy demand.

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REFERENCE:

- Retrofits for Energy and Emissions Improvement

ATTACHMENTS: No.

Kindest Regards,  
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