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Presentation Title : Dynamic Changing of Position from Power to Energy Management - Energy Storage Impact and Evolution in Marine

Abstract: Power systems in all manner of industries are adopting energy storage, the real benefit is that this allows them to manage energy rather than just power, with all the benefit that that brings to efficiency, emissions and reduced running hours, whilst at the same time improving resilience.

Marine is not difference, the author will discuss the application and types of energy stores used in the past, what is currently in use and most appropriate to current commercial and Naval vessels, and also to comment of the future options for energy storage and how they might impact the industry.

Including practical application, both in newbuilds and retrofits, AC and DC, for Energy Storage including its impact from Dynamic Positioning to Directed Energy Weapon systems, propulsion and services.

The focus will not just be on the energy storage, but the changes required to power management systems, dynamic positioning, the integration with the vessel, testing and the mindset shift that is required to fully exploit the benefits, not just of the current solutions, but the future ones going forward. A practical view of the challenges and opportunities going forward, and how we can use our experience to shape the future.

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