

HYBRID MARINE Power & Propulsion

CONFERENCE

RNLI Lifeboat College, Poole UK
6 to 8 October 2015

Hybrid Marine Conference brings together a group of experts to enable the professional sector to explore the possibilities of utilising hybrid power and propulsion systems.

The aim is to identify the potential of hybrid for wind farm support vessels, pilot boats, workboats, harbour service vessels, patrol craft, military and unmanned craft.

Hybrid Marine Conference is relevant to end-user organisations, operators, boat builders, engine manufacturers, engineers, naval architects and legislators.

The take away knowledge will identify opportunities and create affiliations that share engine data, battery capabilities and work cycles for potential hybrid solutions.



LEAD SPONSOR: US cell and battery manufacturer XALT Energy is at the forefront of the search for lighter, smaller, more efficient and more powerful energy solutions. Using the brightest engineering minds in cutting-edge facilities, XALT Energy help customers all over the world develop new energy storage applications and solutions based on proven lithium ion chemistry www.xaltenergy.com

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7 OCTOBER: Engineering led Tour of new RNLI All-weather Lifeboat Centre



In August 2015 the Royal National Lifeboat Institution (RNLI) opened its All-weather Lifeboat Centre (ALC). This enables production, maintenance and refit of the all-weather lifeboat fleet to be performed in-house and under one roof for the first time in the RNLI's 191 year history

Tuesday 6th October 2015	
08.30 to 09.00	Registration & Coffee
09.00 to 09.40	Introduction to Hybrid Marine Power Workshop Lead: John Haynes - Managing Director, Shock Mitigation
09.40 to 10.30	The Hour Of Power - Energy storage systems implementing diesel / electric / battery solutions Robert Young - Technical Lead for Marine Applications, XALT Energy
10.30 to 11.00	Coffee
11.00 to 11.40	Hybrid power solutions for fast workboats and offshore energy support vessels Andy Page - Design & Project Manager, Alicat & South Boats IOW
11.40 to 12.20	The realities of hybrid propulsion & auxiliary power systems for marine applications David Adamiak - Senior Manager Business Development, BAE Systems HybriDrive
12.20 to 13.00	Discussion
13.00 to 14.00	Lunch
14.00 to 14.40	What can the marine industry can learn from a building site? Paul Holland - Director, Energy Solutions
14.40 to 15.20	Enhanced Safety with Hybrid Power in the Offshore Oil & Gas Sector Dr Davion Hill - Group Leader Energy & Materials Program, DNV GL
15.20 to 15.30	Coffee
15.30 to 17.00	Battery Working Group The Maritime Coastguard Agency (MCA) are in the process of producing a Marine Guidance Note (MGN) for Lithium-ion battery installations. This will be an informal discussion with stakeholders that includes end-user organisations, subject matter experts and industry. Simon Owens - MCA Technology
17.00 to 19.00	Drinks Reception Sponsored by BAE Systems HybriDrive

Please Note: Updates and changes may be made to this agenda

Wednesday 7th October 2015	
08.00 to 09.00	Registration & Coffee
09.00 to 09.10	Introduction to Hybrid Marine Power Conference Conference Chairman: John Haynes - Managing Director, Shock Mitigation
09.10 to 09.50	KEYNOTE: Overview of innovation and regulation in the aerospace sector John Price - Managing Director, JMP Systems Engineering
09.50 to 10.30	Innovative hybrid systems for small craft Graeme Hawksley - Managing Director, Hybrid Marine Ltd
10.30 to 11.00	Coffee
11.00 to 11.40	Risks associated with maritime battery installations and their mitigation Bernard Twomey - Global Head of Electrotechnical Systems, Lloyd's Register
11.40 to 12.20	Applying Industry Best Practices & Lessons Learned to the Emerging Marine Hybrid and Electric Market Dr John T. Warner - Vice President, XALT Energy
12.20 to 13.00	Discussion
13.00 to 14.00	Lunch
14.00 to 14.40	Modular interior designs for reducing weight and improving fuel efficiency of vessels Julian Morgan - Managing Director, KPM Marine
14.40 to 15.20	Hybrid Electric Propulsion Systems - Challenges in System Integration Dr Dennis Doerffel - Founder & Chief Technology Officer, REAP Systems
15.20 to 15.40	Coffee
15.40 to 16.20	Presentation - TBC
16.20 to 17.00	Discussion
17.00 to 17.30	Tour of All-weather Lifeboat Centre John McCallion, RNLI Engineering
17.30 to 19.30	Drinks Reception Sponsored by XALT Energy

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Thursday 8th October 2015	
08.30 to 09.00	Registration & Coffee
09.00 to 09.10	Introduction to Hybrid Marine Power Conference Conference Chairman: John Haynes - Managing Director, Shock Mitigation
09.10 to 09.40	Presentation - TBC
09.40 to 10.30	Developing high-power integrated propulsion systems for serial production Christoph Ballin - Co-founder & CEO, Torqeedo Deep Blue
10.30 to 11.00	Coffee
11.00 to 11.40	Modelling and simulation of a virtual hybrid system for sub IMO vessel applications Dr. Wenzel Prochazka - Product Manager, Global Battery Management Team, AVL LIST
11.40 to 12.20	Reducing the Unknowns - Exploring the benefits of accurately predicting hull resistance Robert Hayes - Naval Architect, Frazer-Nash Consultancy Ltd
12.20 to 13.00	Discussion
13.00 to 14.00	Lunch
14.00 to 14.40	High efficiency marine energy – Intelligent use of hybrid power and propulsion Howard Davies – Business Development Manager, Triskel Marine
14.40 to 15.20	Designing lightweight, modular, scalable hybrid systems for marine applications Simon Patterson - CEO, MSP Technologies
15.20 to 15.40	Coffee
15.40 to 16.20	Understanding how fuel savings and the environment fit into government boat procurement Tony Birr - Director, Century Maritime
16.20 to 17.00	Discussion & Closing Remarks

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