

22 JUNE | Southampton
& 2022 | United Kingdom
23

sea WORK Commercial Marine Conference

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Commercial Marine Conferences Conference Programmes

The Seawork Conferences are a must for all involved in the commercial marine industry who wish to explore the challenges, changes and emerging opportunities in today's and tomorrow's commercial marine and workboat sector.

Returning for 2022, the Seawork Commercial Marine Conferences will deliver updates and insights in the fast moving Unmanned Surface Vessel and Hybrid & Electric Propulsion markets.

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USV Chairman: Dr Peter Collinson, Founder, Dendrityca Ltd

Hybrid & Electric Propulsion Chairman: Noel Tomlinson, Future Business Development, BMT & SMI Workboat Working Group Lead

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UNCREWED SURFACE VESSELS (USVs)

Wednesday 22 June 2022

08:40 Coffee & Registration

09:00 Chairman's Welcome

Dr Peter Collinson, Founder, Dendrityca Ltd

SESSION 1: USV'S GROWING ROLE IN THE COMMERCIAL MARINE MARKET

09:05 Gold Sponsor's Address

09:15 Keynote – Mayflower Autonomous Ship Project

Brett Phaneuf, President, Submergence Group/M Subs Ltd

09:30 The role of USVs on the route to net zero

Liam Campbell, Commercial Director, Sea-Kit

Uncrewed Surface Vessel technology is critical to achieving the maritime sector's ambitious net zero targets. The latest USV developments demonstrate a clear route to fulfilling the UK's Clean Maritime Plan Strategy commitment of reducing greenhouse gas emissions from shipping by at least 50% by 2050. This presentation will cover recent innovations that are supporting the UK's leading stance on zero emissions uncrewed technology for sustainable maritime growth.

09:45 MASS Regulations: Introducing Regulation to Novel Technology

Dr Katrina Kemp, Maritime Autonomy Policy Lead - UK Technical Services Ship Standards, Maritime & Coastguard Agency

There is a need for a regulatory framework to support innovation and MASS; Katrina will explore how this is being addressed at the MCA and the progress being made in the development of regulations in this area.

10:00 Utilising Unmanned Surface Vessel's (USV's) for high resolution inspections surveys

Alex Langley, Head of Geospatial Services, Glanville Geospatial Services & James Williams, Director, Unmanned Survey Solutions

USS test the capabilities of their unmanned surface vehicle against the challenging urban environment of Bristol Floating Harbour, during a high-resolution multibeam inspection survey.

10:15 Armada

Dan Hook, Managing Director, Ocean Infinity

Armada will revolutionise the acquisition of offshore data, deploying state of the art unmanned robotic systems at an unprecedented scale. Armada will be carbon neutral and will deliver high quality data, fast and securely to customers in the blue economy. This presentation will give an overview of the fleet, system safety, capabilities, control solution and payloads.

10:30 To be announced

10:45 Q&A

11:00 Coffee & Networking

11:30 SESSION 2: PANEL DISCUSSION – USV'S ROLE IN THE ENERGY TRANSITION

Panel Moderator: *Simon Cheeseman, Sector Lead, Wave & Tidal Energy, Ore Catapult*

Panellists include: *Panellists to be announced*

12:30 Q&A

12:50 Conference Wrap up – Chair

13:00 Conference Close

*Invited

HYBRID & ELECTRIC PROPULSION

Thursday 23 June 2022



08:40 Coffee & Registration

09:00 Chairman's Welcome

Noel Tomlinson, Future Business Development, BMT & SMI Workboat Working Group Lead

SESSION 1: REAL WORLD IMPLEMENTATION OF HYBRID & ELECTRIC PROPULSION SOLUTIONS

09:05 Gold Sponsor's Address – Back to the future

Ryan Reilly, Sales and Business Development Manager, MJR Power & Automation

Design and integration of a ship's hybrid power and electrical infrastructure for both today's solutions and further advances in current and new clean energy technologies for future upgrades and retrofits.

09:15 Keynote - Developing the next generation of hybrid SES CTVs

Andy Newman, Engineering Manager, Global Marine Group

Trygve Halvorsen Espeland, Naval Architect and Co-Founder, ESNA

James Day, Naval Architect and Contract Manager, Wight Shipyard Co

Developing the next generation of hybrid SES CTV's - Global Marine Group, ESNA and Wight Shipyard Co, present an update on the CWind Hybrid Surface Effect Ship (SES) project, an innovative undertaking to design and build the world's first hybrid propulsion SES CTV.

Followed by **Q&A**.

09:45 Why make Hybrid so complicated?

Robin Saunders, Design Engineer, Chartwell Marine Ltd

By taking a novel approach to hybrid propulsion it is possible to simplify the systems utilising commercially available technologies, while maintaining the emission reductions found with a traditional hybrid propulsion system along with further advantages.

10:00 Integration. The key to successful decarbonisation projects – the driveline perspective

Euan Kelso, Technical Director, MIT

Why integration is key to maximising performance and ROI of zero and low carbon projects through complete system integration and vessel understanding, exploring critical drivers in successful decarbonisation projects.

10:15 Implementation of Ship Hybridisation (ISHY)

Graeme Hawksley, Managing Director, Hybrid Marine Ltd

Implementation of Ship HYbridisation (ISHY). A European project funded under the Interreg 2seas initiative. Vessels are being fitted with hydrogen and hybrid propulsion plants and a H2 bunkering station installed at the port of Ostend.

10:30 Marine Hybrid simple, easy & efficient

Martin Jackson, Sales Manager, PME Group

10:45 Q&A

11:00 Coffee & Networking

11:30 SESSION 2: PANEL DISCUSSION

Panel Moderator:

Noel Tomlinson, Future Business Development, BMT & SMI Workboat Working Group Lead

Panellists Include:

Gianluigi Taroni, Global Sales Director, Transfluid EU

12:30 Q&A

12:45 Conference Wrap up – Chair

13:00 Conference Close

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- ☐ USV Conference (22 June 2022 - AM) - £147^{GBP}
- ☐ Hybrid & Electric Propulsion Conference (23 June 2022 - AM) - £147^{GBP}

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