Via TEAMS – 13.00 to 17.00 (UK)
14.00 to 18.00 (EU)
08.00 to 12.00 (US EST)

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NEXTGEN BATTERY SAFETY

TUESDAY 25 November 2025
13.00 to 17.00 (UK)

THEME:	How Can We Make Next Generation Battery Energy Safer?
13:00 to 14:20	**Session 1: Battery Safety Standards and Lessons from Other Sectors**
	John Haynes – Workshop Lead, NEXT GEN Marine What are the Emerging Battery-Electric Risks at Sea – Real Versus Perceived
	Dr John Warner – Chairman, NAATBatt / Author, Handbook of Lithium-ion Batteries How Battery Safety is Evolving – Knowledge Transfer from Other Transport Sectors
	Albert Willemsen – Safety & Sustainability Lead / International Marine Industry Advisor Managing Risks of Battery-Electric Systems and Devices - in Vessels, Ports, Shipyards
	Alasdair Reay – Managing Director, HPi Verification Services The Challenges of Certifying Battery-Electric Systems in Existing Designs
	Panel Discussion - Q & A Session How can evolving battery technology overcome the innovation regulation paradox? What are the benefits of a single supply battery-electric system versus multiple part suppliers?
14:20 to 14:30	**Break**
14:30 to 15:30	**Session 2: Technology to Make Battery-Electric Safer on Vessels**
	Mark Penny – Commercial Director, Energy Solutions What can the Marine Industry learn from Battery Safety in Real World Applications?
	Jon Plackett – Sales & Brand Manager, Paleblue A Safer Approach to Small Batteries – Onboard and Onshore
	James Cunningham – Technical Director, LiVault Battery Containment Systems for Onboard Charging and Storage of Lithium-ion Batteries
	Q & A Session
15:30 to 15:40	**Break**
15:40 to 17:00	**Session 3: Preventing Thermal Runaway - Managing Fire and Gas Risks**
	Peter Mansi – Partner & Forensic Investigator, Fire Investigations UK Identifying the Origin, Cause and Development of Battery and Electrical Fires on Vessels
	Paul Christensen – Director, Lithium Safety / Prof Emeritus, Newcastle University Lithium-ion Battery Fires and Explosions – What We Now Know
	Jon Curley – Operational Manager, Dorset & Wiltshire Fire & Rescue How First Responders Manage Battery Thermal Runaway On Vessels and In Ports
	Q&A Session Do vessels need to be designed 'Lithium-ion ready' or can we retrofit current vessels? What is working now and what do we require urgently?
END:	17:00 (UK) **Please Note:** Programme and presenters may be subject to change.


John Haynes


Dr John Warner


Albert Willemsen


Mark Penny


Jon Plackett


James Cunningham


Alasdair Reay


Peter Mansi


Paul Christensen


Jon Curley

www.nextgen-marine.com

NEXT GEN Workshop Lead – John Haynes

From running Energy Transition training for significant maritime organisations, it is clear there is an urgent need to have a better understanding of safety for onboard and onshore energy storage systems.

The initial focus for Lithium-ion batteries has been on increasing energy density and reducing cost. It is now essential to establish a consistent approach to identify safe battery-electric systems.

'Safety' for battery-electric vessels is not only about batteries. A systems approach considers charging, awareness of the risk of running out of energy at sea - along with the ability to prevent and fight fire.

New Challenges Include:

Power and propulsion batteries / Onboard energy storage
Hotel load batteries / Command and control systems
Charging small devices, laptops and crew phones
Battery tools onboard at sea and during refit
Battery operated Drones / eSubs / eBikes
PPE for fire / explosion / toxic gas
Battery-electric unknowns

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