



## NUCLEAR SAFETY APPLICATIONS AT SEA WORKSHOP

13 and 14 April 2026

Lloyd's Register - 71 Fenchurch Street, London EC3M 4BS

The workshop aims to consolidate current knowledge and recent desktop studies relevant to the safe deployment of civil nuclear technologies at sea. Experts from both the nuclear and maritime domains will present the latest regulatory developments, progress in Small Modular Reactor (SMR) design and licensing, and discuss their implications for ship design and operational safety. The session will provide an integrated view of how emerging nuclear solutions interface with maritime safety frameworks, enabling informed dialogue on pathways toward safe and responsible adoption.

### AGENDA

DAY 1: Laying the Foundations		13 April
Time	Topic	Presenter
8:30 - 9:00	Coffee and registration	
9:00 - 9:10	<b>Welcome by NEMO</b> <ul style="list-style-type: none"> <li>Workshop aims and objectives</li> <li>Why this conversation is needed now</li> <li>Enabling Safe Civil Nuclear Applications at Sea</li> </ul>	Virginia Crosbie and Mamdouh El-Shanawany
9:10 - 9:20	<b>Workshop structure</b>	<b>Facilitator</b> Spyros Hirdaris
9:20 - 10:00	<b>IAEA Safety Standards: current developments and application in maritime context</b>	<b>IAEA</b> Shahen Poghosyan
10:00 - 10:10	Coffee Break	
10:20 - 10:50	<b>IAEA activities on transportable NPPs and innovative reactors</b>	<b>IAEA</b> Shahen Poghosyan
10:50 - 11:05	Q&A	
11:05 - 12:00	<b>IAEA SMR Licensing activities and Nuclear Harmonization and Standardization Initiative (NHSI) Regulatory Track</b> <b>IAEA Atomic Technologies Licensed for Applications at Sea (ATLAS)</b>	<b>IAEA</b> Brett Rini
12:00 - 12:30	Q&A	<b>Facilitator</b>
12:30 - 13:30	Lunch break	
13:30 - 14:15	<b>Maritime Safety Framework</b> <ul style="list-style-type: none"> <li>Maritime safety – stakeholders/ regulations/ standards</li> <li>Nuclear in different IMO instruments</li> <li>Ships VS Floating Power production – differences and opportunities</li> </ul>	<b>IMO</b> Ricardo Batista
14:15 - 14:30	Q&A	<b>Facilitator</b>
14:30 - 15:10	<b>Nuclear Code revision</b> <ul style="list-style-type: none"> <li>Work Plan</li> <li>Options and challenges</li> <li>Discussion</li> </ul>	<b>IMO</b> Ricardo Batista
15:10 - 15:25	Q&A	<b>Facilitator</b>
15:25 - 15:45	Coffee Break	
15:45 - 16:10	<b>SMR Design for Maritime Application</b>	<b>BWXT</b> Jonathan Stephens



16:10 - 16:35	<b>SMR Design for Maritime Application</b> <ul style="list-style-type: none"><li>• Propulsion</li><li>• FNPP and nearshore applications</li></ul>	<b>Newcleo</b> Salvatore Belsito
16:35 - 17:00	<b>Ship design for Nuclear applications</b>	<b>VARD/Fincantieri</b> Håvard Vollset Lien
17:00 - 17:30	Q&A	<b>Facilitator</b>
17:30	<b>End of Day 1</b>	

<b>DAY 2:</b>		<b>14 April</b>
<b>Time</b>	<b>Topic</b>	<b>Presenter</b>
9:00 - 9:40	<b>Review of Nuclear Safety Regulatory approach to Civil Maritime applications</b>	<b>ONR</b> Paul Fyfe
9:40 - 10:25	<b>EMSA HAZID mapping</b>	<b>EMSA / ABS</b> Mercedes Garcia Horrillo and Minas Diacakis
10:25 - 10:35	Q&A	<b>Facilitator</b>
10:35 - 11:00	<b>Coffee break</b>	
11:00 - 12:00	<b>Nuclear Safety At Sea (NUCSAS) Taskforce Brief</b>	<b>NEMO NUCSAS (WG2 Task Force)</b> Frederic Stephani, Ioannis Kourasis, Scott Edwards
12:00 - 12:30	<b>Summary of Key Workshop Discussions</b>	<b>Facilitator</b>
12:30 - 13:00	Wrap-up	<b>Facilitator</b>
13:00	<b>Workshop close and Networking lunch</b>	Virginia Crosbie and Mamdouh El-Shanawany