

Technical Paper Presentation Forum at GSC-2025

The Technical Paper Presentation Forum at GSC-2025 served as a dynamic platform for professionals, academics, researchers, and students to present pioneering research and innovative solutions in the maritime sector. This forum fostered knowledge exchange and collaboration, with a strong emphasis on green shipping, emerging technologies, and sustainable maritime development. Participants had the opportunity to showcase their work to industry leaders, policymakers, and peers.

Summary of session: Green Energy Waves – Driving Maritime Sustainability through Green Fuels

Chair , Convenor , Panelists , Experts

Session Chair	Shri N. Girish	Chief Surveyor, Indian Register of Shipping
Coordinator	Shri Mugil Rajan	DG Shipping
	Ms. Shilpa Bhandurge	IMEI
Panel Speakers	Shri Karan Doshi	Indian Register of Shipping
	Shri Yogin Soodesh Ca	TERI
	Shri Abdul Raheem	Lila Global
	Shri Ilias Soultanias	ABS
	Shri Rajneesh Verma	Vedam

Session summary

- Shri T.K. Sahu, JMD of Indian Register of Shipping delivered a keynote address to inaugurate the technical paper session. The Session comprised of various technical papers on the topic of alternative fuels.
- The presentation by Shri Karan Doshi from IRS presented the methodology as per International Standard to perform the Lifecycle Analysis of Maritime Fuels as prescribed in 2024 IMO LCA Guidelines.
- The presentation by Shri Abdul Raheem from Lila Global discussed the technical

aspects and the overall trend of alternative fuels including fuel availability and cost projections, with particular emphasis on biofuels. As alternative fuels gain traction, the maritime sector will be better positioned to meet global emission targets, ensuring a cleaner and more sustainable future for generations to come. Biofuels and their blends can be used to reduce the GHG emission.

- The presentation by Shri Yogin Soodesh from TERI highlighted the prospects of Fuel Cell in Marine Applications-Prospects for India was also discussed.
- There were discussions on the Shipping Energy Transition and Green Shipping Corridors Development.
- The presentation by Shri Rajneesh Verma from Vedam delved on the potential environmental benefits of AMP in India analysing the carbon footprint and examining the power sources including fossil fuels and renewable sources.

