



Sagar Sandesh

Guiding Spirit to Shipping Industry

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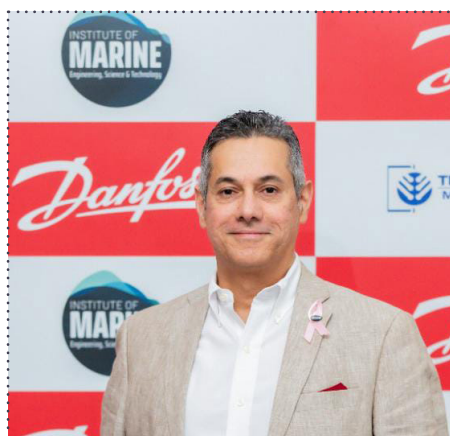


Danfoss plugs into Electrification and propels Hybridization

IMarEST UAE Branch event

The Marine industry has an increasing responsibility to implement decarbonization strategies to combat climate change. To ensure a successful transition towards decarbonization by implementing electrification and hybridization to meet 2050 climate goals and targets, stakeholders must act now. Under the auspices of the Institute of Marine Engineering, Science & Technology (IMarEST) UAE Branch, leading sustainable innovation company – Danfoss, sponsored an enriching knowledge-sharing session focusing on Electrification and Hybridization solutions for efficiency, safety, and reliability while reducing the total cost of asset ownership. The event was attended by 165 delegates from regional ship owners and managers, top management of suppliers and service companies, independent surveyors, classification society executives, inspectors from Flag Administrations, and port officials from the Middle East.

During the introduction, **Nikeel Idnani, Honorary Secretary IMarEST UAE** and moderator for the event, highlighted the fact that Danfoss was traditionally known as a manufacturer of - safety, clean water on-board, engine function, and auxiliary systems monitoring equipment. While these 'bits & bobs' are critical, Nikeel hinted that the tagline – **ENGINEERING TOMORROW** serves as



Nikeel Idnani - Hon. Secretary
IMarEST UAE

Danfoss's greater purpose and the mission of the seminar was to drive the sustainable transformation of the future.

Full electrification is a highly sustainable option for ferries, work boats, and other vessels which can charge batteries regularly. With full electrification combined with a renewable shore power supply, you achieve not only low but zero emissions from the ship. Danfoss marine solutions work to reduce energy costs, monitor processes seamlessly, convert power optimally, and provide comfort for passengers.

"Danfoss Drives is the leading technology provider in marine electrification. Drives are key components in increasing the efficiency and lifetime of ship and port applications. At this event, we are proud to share the latest updates on Danfoss Drives solutions with

our marine industry stakeholders", said **Emre Goren, Regional Sales Director, Danfoss Drives for Turkey, Middle East, and Africa region**, while presenting Danfoss.

The carbon footprint of ferries varies depending on the age of the vehicle and its efficiency. According to a report by the Intergovernmental Panel on Climate Change (IPCC), the average carbon footprint for a passenger traveling by ferry varies from 15 to 150 grams of CO₂ per kilometer, compared to between 90 and 250 grams for a passenger traveling by aircraft.

"Electrification is a way to reduce emissions and make the world a better place.

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DUTY OF CARE

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Evolving Maritime World for Greener & Sustainable Future

Message Highlights From Capt B.K. Tyagi, CMD SCI

“During the INMARCO 2022, a lot of technical papers on the current issues shall be presented by imminent speakers, and the dedicated sessions focus on students presenting their technical papers and also model-making competitions.....A lot of positive takeaways shall be from this Mega Conclave and request all to participate in the INMARCO”.

Fb Link : <https://fb.watch/grKorzPTcq/>

Messages Highlights From Capt. Sandeep Mehta- President Adani Ports

“It is a welcome opportunity for all seafarers especially those from engineering backgrounds to come together and assess the changes going through the industry...Adani group is committed to green hydrogen and renewable energy in a very large way as fuel for the future”. Fb Link : <https://fb.watch/gt3WySB8gL/>

Contact: info@inmarco.in / Ms Aditi Thakur:+91 84520 26684/IMEI



Capt B.K. Tyagi, Chairman and Managing Director - Shipping Corporation of India



Capt. Sandeep Mehta - President Adani Ports



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MARINE NEWS



"Failure is a lesson learned; success is a lesson applied."

Danfoss plugs into Electrification and propels Hybridization From Page - 1

With these kinds of events and doing business with our customers and partners here, we are making the world a better place", said **Martti Alatalo, Danfoss Global Director for Marine and Offshore.** The solutions are there both to build new electric ferries and to retrofit existing ferries to electrify them with the potential to reduce carbon emissions in lakes, cities, and straits all over the world. "We welcome initiatives towards energy efficiency, hybrid and full electric solutions where Danfoss drives takes part through its Power Conversion portfolio. Our ambition is to help our partners and achieve electrification goals together. Because together we can create a sustainable future powered by electricity," concluded **Shekhar Kubal, Global**

Head of Marine and Electrification at Danfoss Drives.

The event was co-sponsored by **Technology Ventures Middle East**, an established name in the UAE maritime engineering industry that provides integrated technology solutions in the areas of Marine, Automation, and Control Instrumentation. **Mr. Arun Sudarsan, General Manager** spoke about their initiatives in decarbonization as they have been providing electrification solutions both locally and internationally, from Lisbon to Shanghai.

Since the sustainability imperative has never been as strong and urgent as it is today, and it is only with stakeholders' unanimous agreement that lasting change can be made, **Nikeel's**



Ambassador Lars Steen Nielsen, head of the Royal Danish Consulate General in Dubai cuts cake

zealous call to action in his interview with the attending Biz TV Network said, **"We are heading towards a 2.2°C global warming and stringent policy implementation is needed to ensure net zero by 2050. We don't need supernumeraries on this voyage. We need turbocharged marine professionals, and we need them now."**

The shipping industry appreciates an opportunity

to socialize, particularly if there is food and beverages involved. As such, the IMarEST UAE branch meetings have carved out their own niche to become the 'must-attend' shipping event which includes the most exuberant networking time at the most glamorous venues in Dubai. This event was stimulated by **Ambassador Lars Steen Nielsen, head of the Royal Danish Consulate General in Dubai** cutting

a ship-shaped cake and a fantastic night of laughs, friendship, and drinks at the Grand Plaza Mövenpick, in the heart of Dubai Media City.

About the Institute of Marine Engineering, Science & Technology (IMarEST)

The IMarEST which is headquartered in London is an international professional body and learned society for marine engineers, scientists, and technologists. With its global appeal, consultative status at IMO, collaborative undertakings with governments worldwide, and international standing, IMarEST is, inter alia, the preferred partner for sharing knowledge and dissemination of information to a broad spectrum of marine professionals at local and international levels. More details can be accessed via www.imarest.org

Safety checklist published for the transportation of lithium-ion batteries



Pic: Portuguese Navy

NEW DELHI
Sagar Sandesh News Service

Insurers UK P&I Club and TT Club have teamed up with scientific consultants, Brookes Bell, and issued a 21-page white paper highlighting the continuing safety threat created by the transportation of lithium-ion batteries.

Recently, serious and sometimes catastrophic incidents involving lithium-ion batteries have become more commonplace, with fires reported in all modes of transport – ocean, air and land — as well as in warehouses and where such consignments are at rest.

The white paper has a call

to action demanding shippers present test certificates issued by an independent laboratory when consigning lithium-ion batteries for transport. The report also urges clearer classification for lithium-ion powered electric vehicles (EVs), with specific requirements such as state of charge, battery chemistry, type of battery, capacity and/or details on safety system in place.

Once EVs are caught up in any blaze they act as a serious accelerant. **Lithium-ion batteries which catch fire can reach temperatures of more than 2,700 degrees celsius** and have been responsible for a spate of serious shipping blazes recently, getting to the point where earlier this year some of the largest car carrier operators in the world started turning away transporting secondhand battery-powered cars.

The white paper published this week also calls for car carrier operators to have better stowage locations and better monitoring of EVs during voyage, with a view to developing early detection, evacuation and/or firefighting procedures.

Mandatory markings of EVs is another suggestion to assist stowage and emergency response.

The paper also notes that current regulations do not take into consideration that a significant proportion of batteries are transported immediately after having been used or charged, as is the case for EVs having been driven onto a ro-ro or car carrier.

Aware of the rising risks from EV fires, the International Maritime Organization (IMO) **issued a paper in June last year in which it said that firefighting equipment and measures in existing ships carrying cars needed to be reassessed.**