



Capital Link Decarbonization in Shipping Forum

"Moving from Discussion to Delivery"

Digital Conference

Wednesday & Thursday, April 14 & 15, 2021

LOOKING AHEAD TO 2050 - ALTERNATIVE PROPULSION SYSTEMS - BEYOND THE INTERNAL COMBUSTION ENGINE - Wind - Batteries - Nuclear - Fuel Cells



Nick Brown

Brand & Communications
Director, Marine & Offshore
Bureau Veritas

Bureau Veritas is helping support the development of new propulsion systems as we shape the future of shipping. Just last month we released our new rules for wind propulsion systems, we have exciting projects underway for wind, for different types of fuel cells and we have many electrical hybrid / battery assisted ships that are now in the water to BV class and operating very nicely. We are also looking keenly at atomic power and the opportunity to apply our nuclear expertise to merchant ships.



Kim Diederichsen

CEO
Anemoi Marine

Vessel owners are seeking options for regulatory compliance and evaluating investing in technologies that will stand the test of time, even as and when more options come to market. Rotor Sails have a proven application on commercial vessels and can be combined with a variety of other energy saving technologies and alternative fuels, even helping to unlock the latter by reducing consumption and associated cost.



Vassilis Gregoriou

CEO
Advent Technologies

With 120-plus patents (issued and pending) for its fuel cell technology, Advent holds the IP for next-gen high-temperature proton exchange membranes (HT-PEM) that enable various fuels to function at high temperatures under extreme conditions – offering a flexible **'Any Fuel. Anywhere'** option for the maritime, automotive, aviation and power generation sectors. Advent's HT-PEM based membrane electrode assemblies ("MEA"), which are the critical components used in fuel cells, can be used across many different customers and markets without requiring major infrastructure development – making them a unique and resilient option for the maritime industry.



Mikal Boe

CEO
Core Power

It's a fact that Atomic is the only technology which delivers a magic combination of zero emissions and competitive economics. This is not about 'old nuclear', this power technology that people think is dangerous. This is new advanced atomic technology. This is the marine molten salt reactor. This is like SpaceX. This is ultra-modern science, super computers, and the most sophisticated new power source conceived to date. It's actually even safer than the safest energy system we have, which is nuclear - completely clean and uses just 1 gram of fuel per Megawatt Day.

For more information: <http://forums.capitallink.com/shipping/2021decarbonization/>