

Keynote
Speaker



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Fuel cells and batteries as alternative
power conversion technologies for
sustainable shipping S0003

TALK TITLE

Fuel cells and batteries as alternative power conversion technologies for sustainable shipping

ABOUT

Head of Ship Technology Systems

MSc In engineering from Danish Technical University

has spent the last 10 years within shipping, predominantly working on development and trialing of novel technologies.

Among novel technologies, have been leading projects of some of the shipping industry first trials of Wind propulsion, ORC waste heat recovery and drone trials.

Started career within the Wind turbine industry, working several years with continuous improvement projects of WTG portfolio.

ABSTRACT

With today's risk of availability of sustainable fuels becoming a key limitation in the transition towards maritime decarbonization in the short- and mid-term future, and their potential for an increased cost,

this presentation aims to delve into options for alternative energy storage and conversion technologies. This will include the potential role they can have in closing the demand gap.

Having the above as a guiding light, the Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping will present and share insights from their recent conducted studies in the deployment of fuel cells and battery technologies for use in the maritime industry. The Center will provide their view of the potential and main identified barriers that need to be solved for these alternative energy pathways to become relevant.

