

Invited
Speaker



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**Multifuel Solid Oxide Fuel Cell systems for
Maritime use – Recent Advancements by
Alma Clean Power
S0402**

TALK TITLE

Multifuel Solid Oxide Fuel Cell systems for Maritime use –
Recent Advancements by Alma Clean Power

ABOUT

Tjalve holds the position as VP Projects at Alma Clean Power. He has worked with fuel cell systems for various applications for more than 10 years at Alma and its precursor Prototech in Bergen, Norway, being involved in multiple leading projects related to fuel cell systems for maritime use. Tjalve has a MSc. in physics from the University of Bergen.

ABSTRACT

Solid oxide fuel cells (SOFC) can be an enabling technology for highly efficient maritime operations using existing and/or alternative fuels. These features are today attracting major shipowners in various segments having a need to drastically reduce emissions in near and long term to maintain their license to operate. Alma is developing and commercializing SOFC systems optimized for maritime applications,

using their heritage from space and ocean industries to bring forward compact and cost-effective systems using various fuels, with the aim to ease the shipowners'™ costs and risks associated with the transition towards more sustainable operations. In this talk, Alma will present recent advancements in ongoing development activities and in leading European maritime demonstration projects, using both ammonia and carbon fuels.

