

VMCC Fall 2020 Virtual Fall Mini Forum

November 27th – Technology Providers

Sponsored by Wartsila

November 27th 2020 Schedule

9:00 AM Guests Log in
9:05 AM Welcome & Introduce Moderator
9:10 AM Wartsila
9:30 AM Portlink
9:50 AM Zinus
10:10 AM METIS
10:40 AM Fleet Cleaner
11:00 AM Dasivedo Design Ltd.



9:10 AM – Wärtsilä

Paul Welling, Sales Director, Fleet Operations Solutions

Wärtsilä Fleet Operation Solution (FOS) is an integrated service that helps fleet operators increase safety & awareness during the voyage planning and execution stages. The solution brings the vessel's manager, operator and port working together, in a transparent environment supported by AI. FOS provides control of the whole voyage while fostering safety, awareness, regulatory reporting and operational efficiencies. Voyage planning, weather routing, nautical data management, remote servicing, automated reporting, shore based monitoring, charter party data and fleet-wide fuel efficiency monitoring all in one single and DNV/GL approved cyber secure platform. Include the combination of both Wärtsilä's engine and hydrodynamics modelling capabilities, which will then enable the vessel's "digital twin" to show how a vessel will perform over time, including factors like hull and engine degradation.

9:30 AM – PortLink

Kris English, Chief Innovation Officer (CINO)

PortLink is an innovative company that has been developing solutions for the B.C. Maritime community since 2007. Over the past 15+ years they have had the pleasure of working with Vancouver-Fraser Port Authority (VFPA), the Pacific Pilotage Authority (PPA), Chamber of Shipping BC (COSBC), Western Canada Marine Response Corporation (WCMRC) and other maritime agencies/organizations. PortLink's core business is delivering solutions that enhance operational efficiency, increase safety and security and providing tools to support environmental stewardship.

Cont'd on next page.

9:50 AM – Zinus

Geir Arne Bjørkelund, Sales Manager

A major problem in ports around the world is air pollution, with the associated serious impacts on the environment and human health. By electrifying consumers that are driven by fossil fuel, we can make a significant change in reaching the global goals of climate change. For instance, installing 160MW of shore power for supplying shipping at one port (at one large harbor in Europe), we see a possibility of maximum reduction of 840-960tons/CO2, and a saving in socio-economic costs of approximately 90,000,000 Euro/Year. Why not start today!!

10:10 AM – METIS

Dimitris Bouras, Managing Director, Canada Office

The presentation will include:

- An overview of the METIS platform components: the IoT Edge data acquisition part (METIS Ship Connect), the Cloud Intelligence part (METIS Space) and a unique natural language interface to talk to it all (the METIS Virtual Assistant)
- A live demonstration with vessels currently registered on METIS Space, showcasing capabilities in assessing past performance, monitoring present operation and predicting future behavior

10:40 AM – Fleet Cleaner

Lodewijk Middleburg, Commercial Manager

An introduction to hull cleaning, to Fleet Cleaner and Ambitions to go to Vancouver.

11:00 AM – Dasivedo Design Ltd.

Alistair Johnson, Company owner, designer of the Tig Rig retrofit Sail System

The Tig Rig retrofit sail system is a way of retrofitting wind assist units (sails) to the world's existing fleet of flat-decked merchant ships (tankers and bulkers) to help reduce their use of fossil fuels and their carbon emissions. The Tig Rig consists of self-contained sail units mounted at fixed mounting points round the outside of the hull of the ship. The mounting points are interconnected by rails which run round the stern of the ship which allows the units to be wheeled around the ship and clear of the dock side of the ship in port for regular dock side operations, loading and unloading, to proceed unrestricted. The mounting system can be used to mount other wind assist devices apart from the Tig Rig and so offers itself as a standardised mounting for current and future wind assist devices.

If you are interested in attending a particular discussion stream or taking part, please visit our website to register and participate.

<https://vmclimate.ca/events>