Maritime DTU
Center for Maritime Activities

ZERO Emissions Vessels and Infrastructure (ZEVI) competition

Type of project: MSc

Project description:

Svitzer is a 190 years towage provider operating approximatively 380 tugs and 100 other vessels, across 120 ports globally.

With the ambitions to be carbon neutral by 2040 and have an increase of 50% in scope 1 carbon emission by 2030, we have developed a decarbonisation strategy built on 3 pillars to reach these goals:

- Fuel – Methanol as fuel of the future and Biofuel as drop-in fuels to enable the transition
- Equipment – new tug designs to drive efficiency and development with partner of new equipments
- Behaviour – focusing on what everyone in the company can do to support.

The UK government has initiated a ZEVI competition focused on decarbonising the domestic maritime sector by delivering a suite of interventions aimed at addressing different barriers to maritime decarbonisation across a range of technology-readiness levels.

Svitzer owns and operate more than 80 vessels in the UK, performing above 30,000 jobs per year, and with our strong strategy linked to decarbonization, accessing some of these funds would be a huge benefit to trial new technology, collaborate with local partners to drive efficiency and support our overall journey.

Currently multiple projects could be looked at :

1. Feasibility study to build a 100% electric tug to operate on the river thames, in collaboration with the Port of London authority
2. Installation of shore power outside the locks in Liverpool to reduce fuel consumption and optimize operations, in collaboration with Peel Ports
3. Define opportunities on the Tyne together with PD port/Port of Tyne.

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