

SARGASSO

Request for Development (RFD)

Titel of RFD: Electric Drivetrain

Organization: Nondisclosed

Deadline for expression of interest: 2019-04-12

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Summary of RFD

The organization is looking for cooperation in the development of an electric drivetrain for a ship with the energy need of about 400 – 1000 kW. The work will be in the form of a development project. The organization will deliver parts of the system and are investigating the possibility to find collaboration partners in the following areas;

- Control system for VFD (Variable frequency drive) and battery charges
- Interface between VFD control system and vessel main control system

Background

Electrification of the shipping industry is ongoing, and several installations has been made and there are many projects underway. It is mostly ferries and other vessels with fixed routs that is targeted for electrification.

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However, there are other segments that would benefit from electrification, such as workboats, fishing vessels and smaller ships with the power consumption around 400 – 1000 kW. The operational conditions of these vessels differ a lot from ex. a ferry and will demand new solutions.

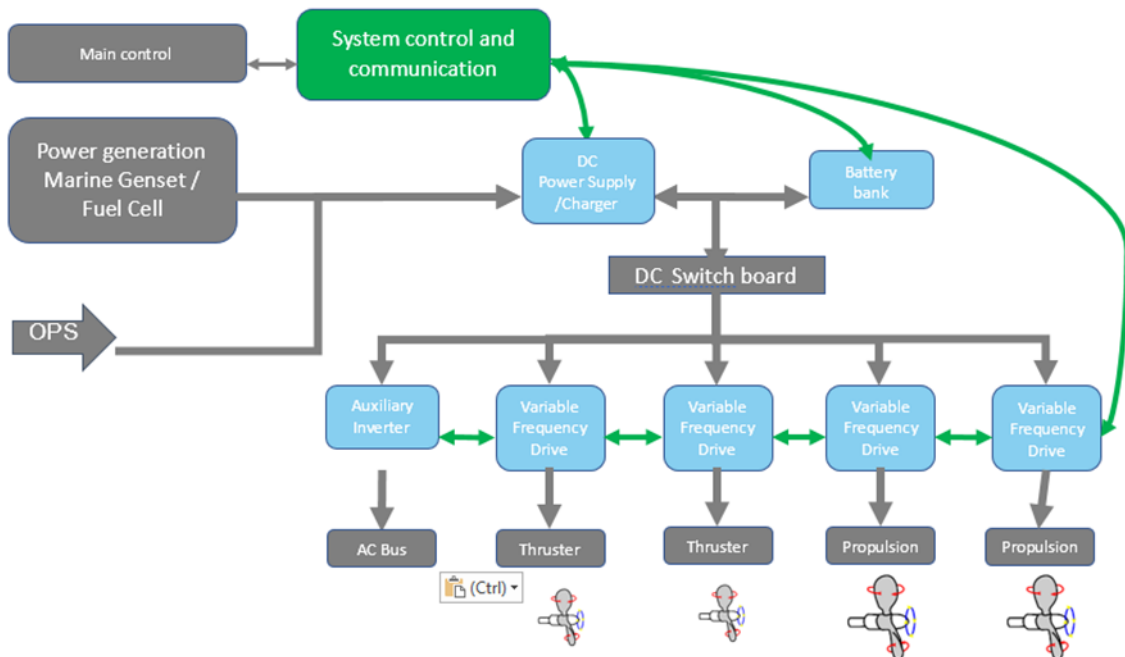
The organization has vast experience in other fields of the maritime installations and are now looking to develop electric drivetrain in the above mentioned energy range.

This is the first step and the end goal of the project is a full installation of the system in a ship.

Scope of the project

The organization can provide the blue boxes and are seeking collaboration for the green. The grey boxes will be added in the next phase.

Concept electrical propulsion:



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- Interface between VFD control system and vessel main control system.

Preferred Partnership

We need partners to fill the grey boxes above.

These are:

- Power generation to the DC-system
- Communication to main deck
- Thruster and propulsion details

The concept will be tested against a work load profile.

When concept studies are ready, we plan to start a project that will result in a finished product that can be launched to the market. The project includes all steps of development, testing and certification.

Opportunities for partners

Together we will design a competitive offer. Our cooperation can be as partners we as owner of the offer and you as a sub-supplier.

Our company aims to diversify and widen the offer in the Marine business and new solutions for different applications will be developed.

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