



## BLUE-GREEN HUB FORUM

R&D in Blue Sector Part II  
„Blue Biotechnology, the Sea Environmental Protection & Blue Energy“

30th of May 2019, Hall „Umag“, Chromos Tower, Zagreb

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### WORKSHOP “HYBRID PROPULSION IN SHIPBUILDING”

#### COMPANY PROFILES

LadeAs



Terje Lade, CEO

FLOW  
SHIP DESIGN



Josip Andrišić, CEO

#### About LADE AS Norway

Company Lade AS was established in 2010 to develop the business idea of project Vindskip®. An eco-efficient ship for sustainable sea transport, powered by the wind and LNG. The concept is tested in wind tunnels, optimized by CFD (computer fluid dynamics) and tested in Model tank until a final

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defined form and function was reached. Now undergoing final tests to document fuel consumption over one year time by crossing the Atlantic digitally 52 times a year.

Company Lade AS has established a separate limited company, Vindskip AS, that will build the first ship, or sell licenses on construction. So far, the companies Stadt AS and Høglund Marine Solution AS have entered into share capital in company Vindskip.

## About Flow Ship Design Ltd Croatia

Flow Ship Design is an independent ship design company, located in Pula, Croatia. The company was established in 2018, by four Naval Architects, based on a long experience and competence in the shipyards. Comprehensive design and first hand production experience and background in built and delivered vessels, of various ship types, leads to optimal design solutions in the best shipbuilding practice.

Flow ship design delivers innovative designs with customer specific requirements. The close cooperation with the customer is a key factor in the design process.

The company specialization covers various types of vessels, including all the phases of the ship design process as well as Research and Development.

Research and development are central to the business strategy program. The experience in research projects results in an improved ship design which provide higher performance and more value for our customers.

European projects with active Flow ship design participation include RAMSSES (H2020) and LASHFIRE(H2020). In addition, Flow ship design team references from previous employment at shipyards, covers some European projects with active participation, including DE-LIGHT (FP6), ADAM4EVE(FP7), related to lightweight structures on RO-RO vessels, IMPROVE (FP6) and HOLISHIP (H2020) concentrated on RO-PAX vessel design, and others such as THROUGH LIFE (FP7), GRIP (FP7), SMARTYARDS(FP7), SHOPERA(FP7) and GREENBLAST (CIP).

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## Workshop Description

The Workshop will be concentrated on the Vindskip project proposal development, with the main objective to expand the team with companies of interest. The project idea will be presented at the Forum.

Key topics as follows: Design concept and methodology (Ship design, structural design, Machinery layout, operational profile, etc), Rules and Regulations, Technology transfer.

## Matchmaking Partner' Profile

Beside sharing our experience and knowledge during the workshop, we are interested to establish contacts with potential partners for EU projects and Innovation Norway Grant.

Preferable Partners:

- Shipowners
- Shipyards
- Institutes
- Centres for transfer of technologies at universities
- R&D SME-s for partnerships on R&D projects.

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