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OCEANiCS for the navigation, weather routing, autopilot and performances monitoring of CANOPÉE



D-ICE Engineering is proud to announce the selection of its cutting-edge OCEANiCS system onboard CANOPÉE, the first modern sailing cargo ship.

Since its creation in 2015, D-ICE has undertaken major research projects to remove many scientific and technological locks in order to provide solid solutions to decarbonize the maritime industry and improve safety at sea.

These works have resulted in the creation of cutting-edge scientific modules and softwares that are today gathered in **OCEANiCS**, a disruptive navigation system, aiming to optimize and secure operations as well as significantly reduce the consumption of ships.

Winner of the french national innovation contest i-Nov 2019, the system brings together many important features such as ECDIS (electronic chart display information system), an advanced performance analyses module as well as an autopilot and a powerful weather routing module designed to empower hybrid sailing.

OCEANiCS has been selected to be a central system of CANOPÉE, a 121-meter ro-ro ship ordered by Jifmar Guyane on behalf of Alizés, a joint venture between Jifmar Offshore Services and Zéphyr & Borée. The vessel is currently under construction at the Neptune Marine shipyard and will be fitted with 4 OceanWings wings supplied by Ayro.

This first order, operated through Ayro, is an important milestone in the industrial deployment of D-ICE. All algorithms and software will moreover be tailored to fully exploit the potential of the ship and its wings in order to maximize operational gains.

The D-ICE team is happy to open a new chapter about the close and fruitful collaboration between Jifmar Offshore Services, Zéphyr & Borée, VPLP and Ayro as well as actively participate in the decarbonization of the maritime shipping industry.

Press Release

About D-ICE

Created by scientists passionate about the oceans, D-ICE Engineering is a deeptech founded in 2015 in Nantes (France) with the ambition to contribute to three major challenges of the maritime industries: reduce the carbon footprint, improve safety at sea and produce clean and decarbonated energy. Propelled by a team of twenty engineers and PhDs in hydrodynamics, applied mathematics, robotics and artificial intelligence, D-ICE develops multiphysics modeling and simulation tools for marine and offshore operations as well as innovative systems and software for navigation, control, optimization and decision support of marine assets and offshore platforms.

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