

+17
years of
experience

+1500
projects
completed

OFFSHORE CFD engineering solutions

The offshore sector faces challenges like harsh environmental conditions, fuel inefficiency, and equipment wear. Vessels require precise maneuverability and stability in tough seas, while minimizing costs and downtime. Issues like cavitation, vibration, and high operational demands highlight the need for optimized solutions to ensure safe, efficient, and reliable offshore operations.



EXPERT ENGINEERING SERVICES FOR OFFSHORE

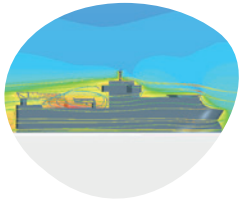
We specialize in delivering state-of-the-art CFD engineering services for offshore applications, ensuring optimal performance and efficiency for tugs, FPSO, OSV and other offshore vessels and platforms.

Our solutions are tailored to meet the demanding conditions of offshore operations, from enhancing propulsion systems to optimizing vessel aerodynamics and performance.

Tailored Offshore Solutions for Maximum Efficiency and Safety

With many years of experience in offshore engineering, our team delivers innovative, data-driven solutions tailored to the specific operational profiles of each vessel. Whether it's optimizing energy efficiency, enhancing safety, or improving vessel stability, VICUSdt combines advanced CFD methodologies with deep industry knowledge to deliver reliable results for offshore applications.

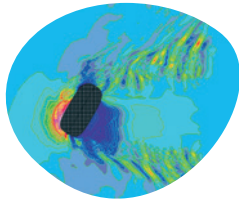
Precision
engineered CFD
solutions for
maximizing offshore
vessel performance



Resistance and Propulsion Analysis



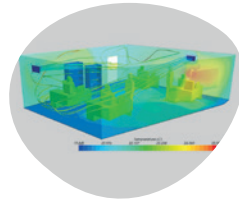
Seakeeping, Slamming, Sloshing



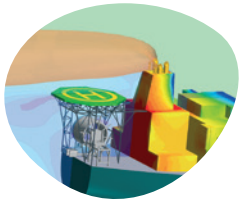
Maneuverability Studies



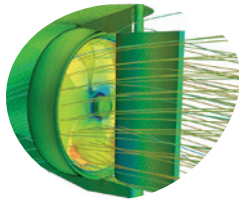
Helideck Aerodynamic Analysis



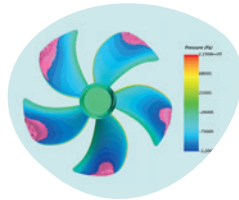
HVAC



Exhaust Gas



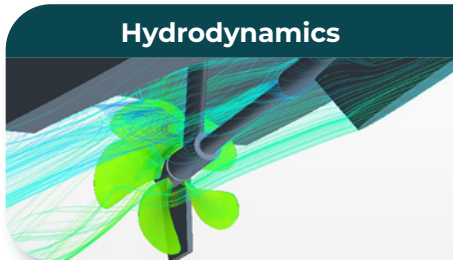
Thruster and Propeller Design



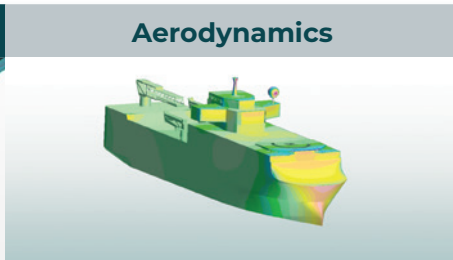
Noise, Vibration and Cavitation Analysis



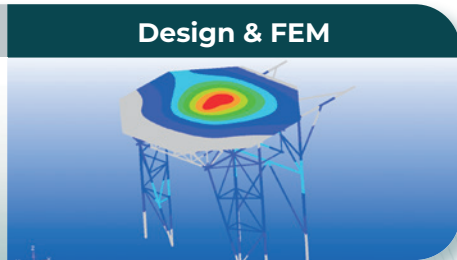
Subsea Engineering



Hydrodynamics



Aerodynamics



Design & FEM

Trusted by leading shipyards & shipowners

Our esteemed clients include:

- DEME offshore
- Heerema
- Van stee Offshore
- Panama Canal Authority
- Van den Herik B.V
- Armon Shipyards
- OXY
- Jan de Nul
- Mexmar



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