

BRIEF COMPANY HISTORY

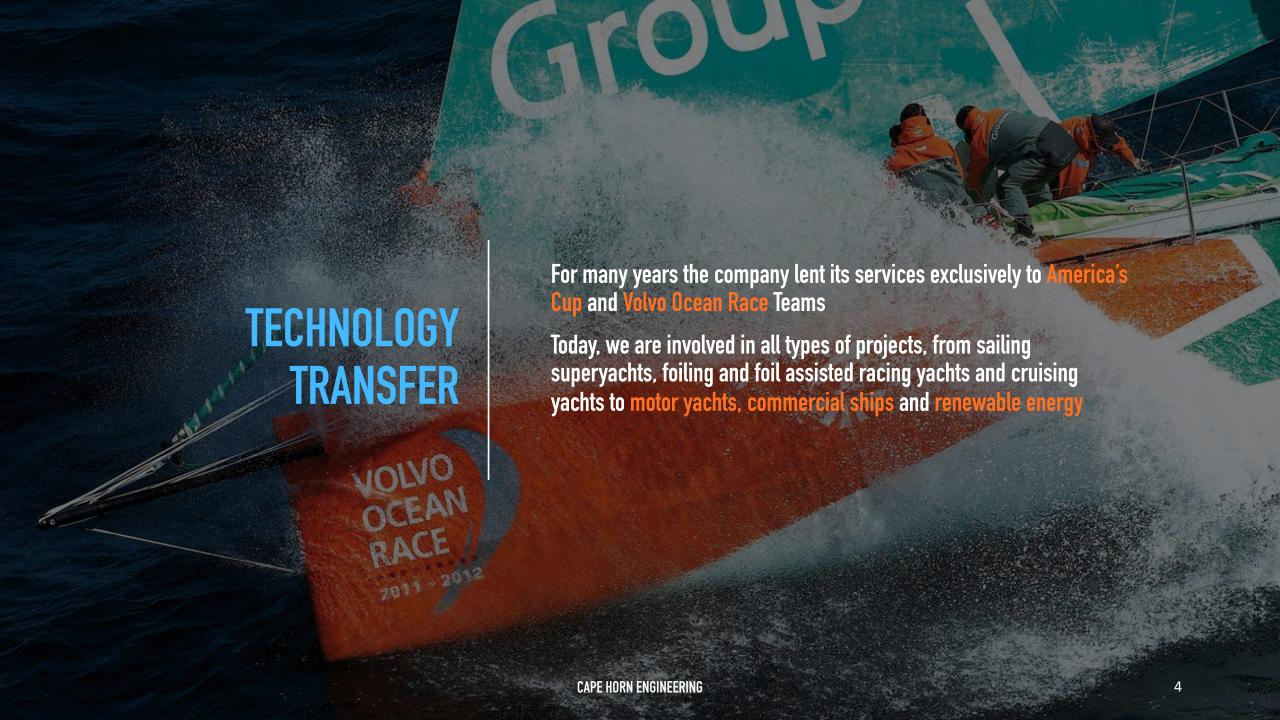
Dr.-Ing. Rodrigo Azcueta founded Cape Horn Engineering in 2007

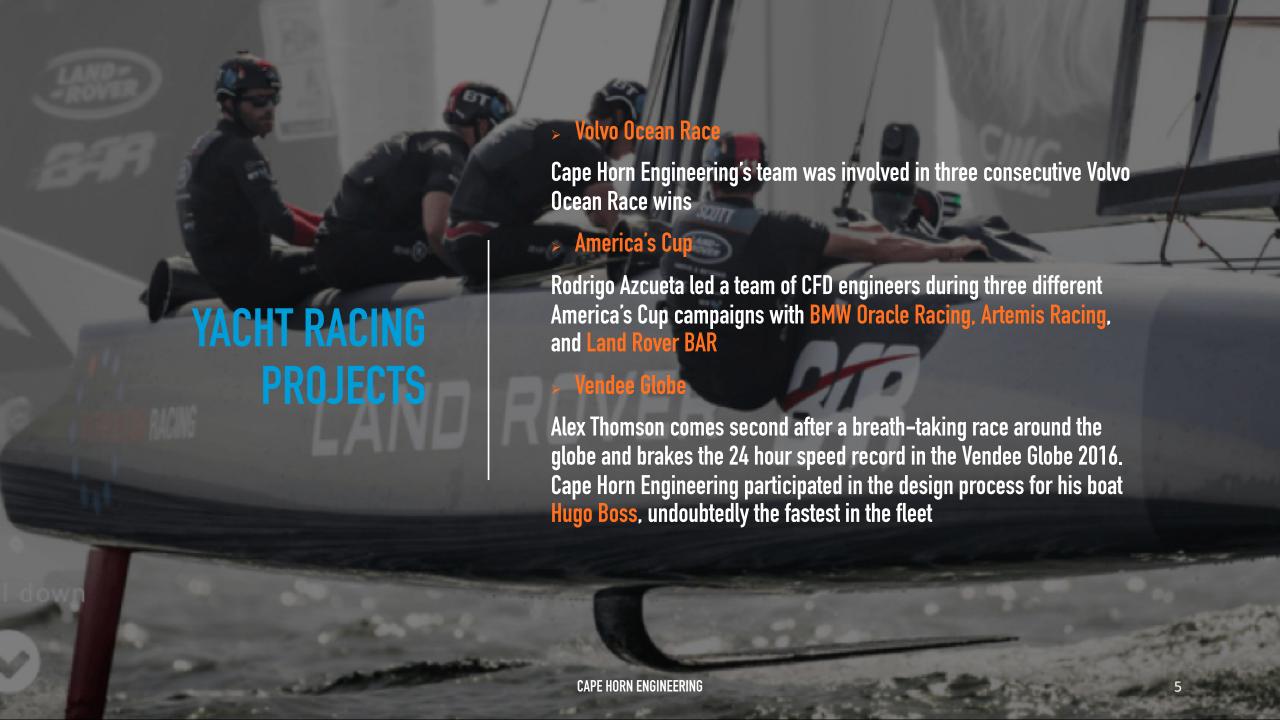
A naval architect and marine engineer from the Technical University of Hamburg, he was among the first to investigate viscous free-surface flows and ship motions using CFD

He is a well-known grey eminence in the field of yacht racing and has paved the road to success for many sailing teams

Cape Horn Engineering was involved in 4 America's Cup campaigns, 5 Volvo Ocean Race Teams, several IMOCA Open 60 Teams and many other design projects

Cape Horn Engineering is a truly independent CFD company working with a world-wide base of clients in the yachting world and in the maritime industry





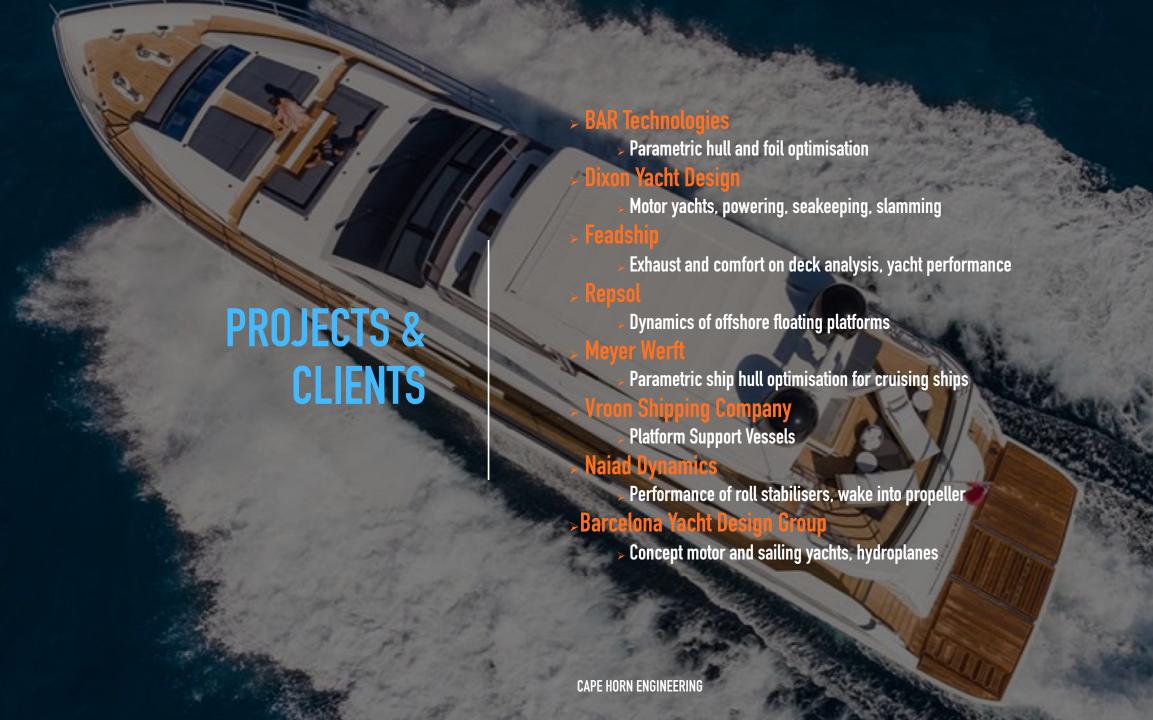
THINGS THAT MATTER

- When contracting a CFD provider there are certain things to bear in mind: tools used, computing resources and experience in past projects
- At Cape Horn Engineering we do not compromise on software solutions; we use the best CFD package on the market (*Siemens PLM StarCCM*+) and are able to run hundreds of simulations per day thanks to our access to large HPC clusters

AREAS YOU MIGHT BE INTERESTED IN

- Hull and appendages optimisation
- Motoring performance, propeller selection, fuel consumption
- Energy Saving Devices (ESD)
- Energy Efficiency Design Index (EEDI)
- Fully foiling and foil assisted vessels
- Manoeuvrability and rudder loads
- Appendage torque and bending moments, load cases
- Seakeeping, motions and accelerations

- Exhaust gas on deck and passenger comfort
- Ship Helicopter Operating Limits
- Cavitation on hydrofoils or propellers
- 2D foil section optimisation
- Fluid Structure Interaction (FSI) of appendages
- Slamming, water on deck, sloshing
- > Offshore platform motions
- > Underwater turbines



CONTACT US

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