



Finished Msc in Aerospace Engineering in IST, Technical University of Lisbon in 1999. Pursued his Phd studies on Cavitation of Marine Propellers at MARIN in the Netherlands and at IST, having obtained the Doctor degree in 2005. Then he worked in the CFD Group of the Research & Development (R&D) department of MARIN, with specialization on CFD code development, High-Performance Computing (HPC), turbulence, grid-handling methods, propellers, cavitation, acoustics, offshore and renewable energy systems. He was the founder of open-source community based CFD code ReFRESHCO, and from September 2016 until August 2019 he was the responsible for the coordination of all CFD developments at MARIN. Since 2017 he has been invited Lecturer at the University of Duisburg-Essen in Germany and visiting researcher at University of Southampton.

In August 2019 he moved back to Portugal and became the CSO of Renewable Energy Institute WavEC, and team leader of the HPC and Data Science team. He is now the CEO and R&D Manager of blueOASIS (Blue Ocean Sustainable Solutions), a start-up dealing with Industry 4.0 tools applied to the Ocean Sustainability and Decarbonization, where HPC is of paramount importance

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