

MARITIME ENERGY

POSTGRADUATE DIPLOMA
BY DISTANCE LEARNING



BUILD YOUR CAREER...

BE PART OF ACHIEVING A SUSTAINABLE, ENERGY EFFICIENT AND ZERO/LOW CARBON FUTURE FOR THE MARITIME INDUSTRY AND GAIN A COMPREHENSIVE UNDERSTANDING OF DIFFERENT ASPECTS OF MARITIME ENERGY MANAGEMENT ACROSS THE FIELD.

The World Maritime University (WMU), established within the framework of the International Maritime Organization (IMO), offers a ground-breaking postgraduate diploma programme in maritime energy by distance learning. Industry and governments around the world are engaged in the international effort to battle climate change, greenhouse gas (GHG) emissions, air pollutants, sea-level rise and weather-pattern changes. At the same time, there is constant pressure towards cost-efficiency and market competitiveness.

The Paris Agreement and new IMO regulations mean that a significant reduction in GHG emissions is necessary over the coming decades with zero emissions of CO₂ achieved before the end of the 21st century. The IMO's GHG strategy calls for a reduction in CO₂ emission intensity of 40 percent by 2030, and 70 percent by 2050 from 2008 levels. In the wake of COP26, it is likely that more ambitious GHG reductions will be agreed to in the future. Every maritime stakeholder must play a role in the reduction of GHG emissions. The United Nations Sustainable Development Goals (UN SDGs) call for immediate action on the part of all countries, organizations and individuals to secure a sustainable future for our planet.

The adoption of innovative and sustainable technologies and mitigation measures in shipping, ports and shipyards is expected to lead to a competitive advantage and improved profitability through cost savings. WMU's Postgraduate Diploma in Maritime Energy aims at combining innovative technical solutions with a socio-economic-environmental perspective in a holistic manner. It equips maritime professionals with knowledge relating to IMO's regulations on air pollution from ships and potential mitigation measures to achieve a zero/low carbon and energy-efficient maritime future.

The Maritime Energy Postgraduate Diploma programme is designed for people with a technical profile (e.g. naval architects, deck officers and engineers, surveyors etc.) as well as professionals with backgrounds such as ship operators, superintendents, port and shipyard managers and other maritime professionals with an interest in maritime energy management.

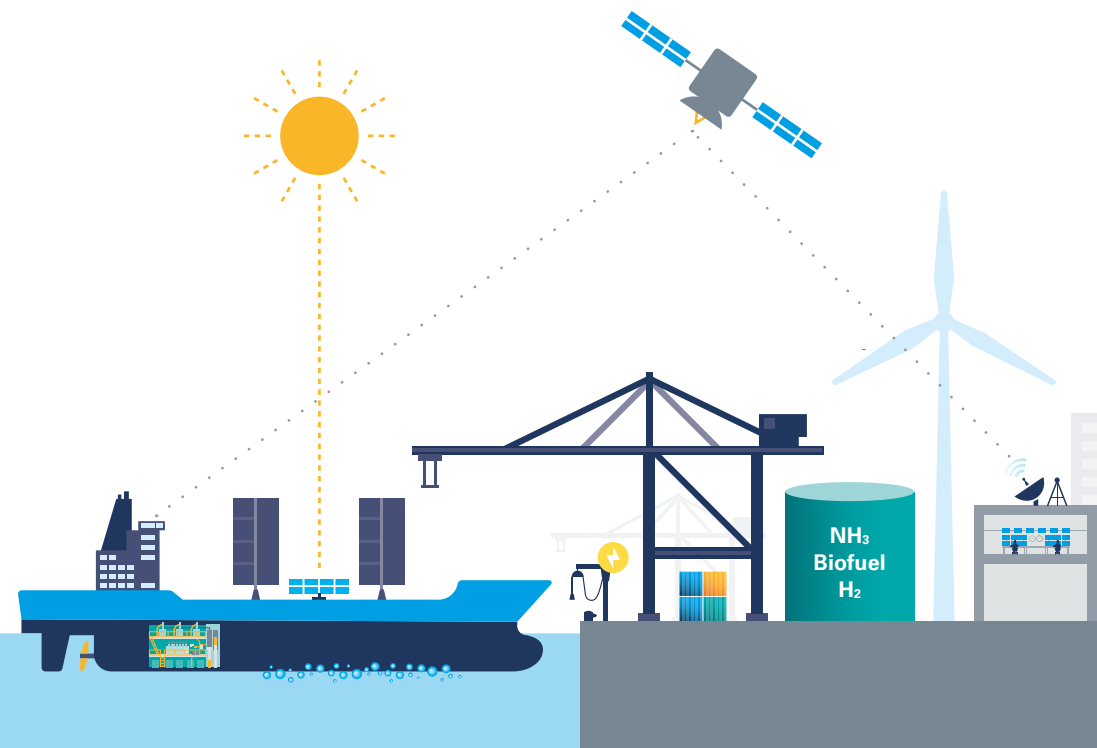
PROGRAMME STRUCTURE

The Maritime Energy Postgraduate Diploma programme carries 40 European credits and can be completed over a single year, or spread over three years, to allow students maximum flexibility to fit their studies around their careers. The programme comprises five modules.

- Module 1** Maritime Energy and Sustainable Development
- Module 2** Ships and Energy Efficiency
- Module 3** Future Propulsion Technologies
- Module 4** Energy Conservation in Ports and Shipyards
- Module 5** Best Practices and Life-Cycle Perspectives

Successful completion of the Maritime Energy Postgraduate Diploma programme gives graduates direct access to the world-renowned Master of Science in Maritime Affairs programme, taught in Malmö, Sweden. Graduates of the Maritime Energy programme join WMU's global network of maritime professionals. For full details, including content, calendar, fees and payment system, and to apply for admission, please visit pgdme.wmu.se. If you have any queries, please send them to pgd@wmu.se.

The Maritime Energy Postgraduate Diploma programme is endorsed by Wartsila and CETENA.



FROM GRADUATES OF THE MARITIME ENERGY POSTGRADUATE DIPLOMA PROGRAMME

Irina Svaetichin

ME PGD Class of 2021

"I really enjoyed the programme and wish to work within this exact field in the future. Changes are needed within the maritime industry, and the programme examines possible solutions from different perspectives. I am sure completing this programme will open new professional possibilities for me in the future."

Guruprasad Sanjeeva Shetty

ME PGD Class of 2020

"This programme meant more to me than a professional development exercise. It inspired me to continue with the Master Programme at WMU which I am looking forward to starting next year! Thank you WMU for all the great support!"

Captain Sukhjot Singh

ME PGD Class of 2017 and PhD Candidate 2021

"The programme leaders are experts in the respective fields and create a learning environment that encourages critical thinking. The flexibility within the programme made it easy to achieve a balance between professional and learning expectations."

Ore Ovia Toua

MSc Class of 2014 and ME PGD Class of 2017

"WMU's Maritime Energy Postgraduate Diploma programme gave me the technical knowledge to provide training capacity, gender mainstreaming and support with the MTCC Pacific Project, funded by the European Union and implemented by the International Maritime Organization. I would recommend this programme to anyone who wants to increase their knowledge of energy efficient ship operations, new technologies and climate change mitigation in the maritime industry."

Gerd Joseph Van De Merlen

ME PGD Class of 2021

"The course and interactions with the professors made a real difference for me to progress significantly in this interesting domain. As an example, I was proposed and admitted as a member to a Marine Policy & Regulatory Affairs Committee to participate/advise on energy and emissions. It goes without saying that this participation is a direct outcome from all the good work and efforts from all involved at WMU in organizing and maintaining the Maritime Energy Postgraduate Diploma programme!"



WMU was founded in 1983 within the framework of the International Maritime Organization (IMO), a specialized agency of the United Nations