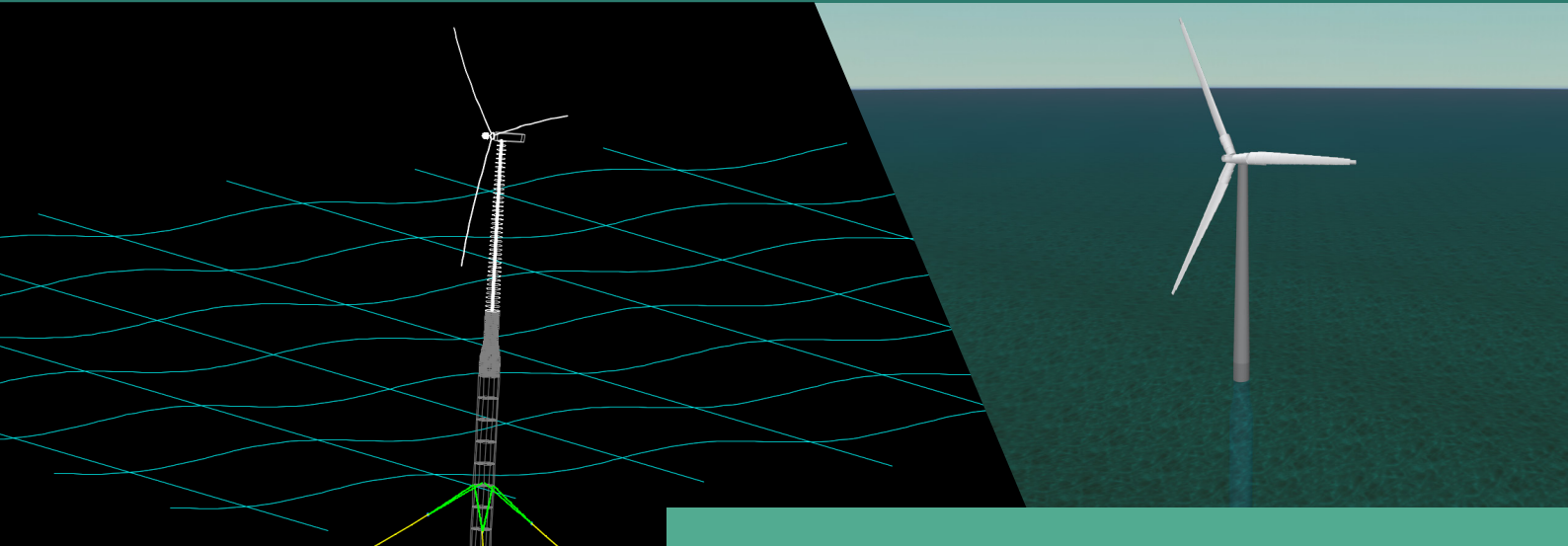


FIXED AND FLOATING OFFSHORE WIND ANALYSIS

OUR TEAM

- Dedicated and experienced in-house analysis team with over 100 years combined experience in the analysis of offshore structures
- Close collaboration with other offshore disciplines to reduce conservatism and find practical and intelligently engineered solutions
- Supported design and engineering for many different fixed and floating marine structures globally



There is no such thing as a standardised approach which it comes to an offshore wind project. Fixed and floating offshore turbines will both be subject to different combinations of complex wave, current, wind and operational loadings, to name just a few. And this means that finding the correct concept and design for your project is going to be very dependent on several factors - such as water depth, specific environmental conditions, and the turbine design itself.

At Aquaterra Energy, we take the stress out of finding that optimal design for your specific offshore wind project – helping to accelerate your time to first operation and a faster return on your investment.

KEY PRODUCT FEATURES

- ✓ Evaluation of different floating/fixed offshore wind concepts
- ✓ Compare and contrast different offshore support structures
- ✓ Calculation of resonant frequencies in different conditions
- ✓ Calculation of extreme loading on the tower structure and mooring lines
- ✓ Fatigue analysis of the tower structure and mooring lines
- ✓ Assessment of inclinations of the floating wind turbine system
- ✓ Mooring and anchor design selection and optimisation
- ✓ Optimisation of the mooring line footprint
- ✓ Power cable feasibility and configuration development

Get in touch

+44 (0) 1603 788233 | contact@aquaterraenergy.com | www.aquaterraenergy.com