JOB ROLE & RESPONSIBILITIES

Date: 29/06/2026

SENIOR STRUCTURAL ENGINEER	
The Senior Structural Engineer is responsible for performing and technically leading structural analysis and design activities for Gazelle's support structures. The main objective is to support the delivery of technically sound and cost-effective structural solutions while adhering to project schedules. The role also involves mentoring younger staff and ensuring compliance with industry standards and project specifications.	
Initial training area	Structural Engineering
Department	Technology & Innovation
Qualification level	Bachelor's degree in Civil Engineering, Structural Engineering, Naval Architecture or a related field. Specialization in offshore structures, renewable energy, or wind engineering is advantageous.
Location	Candidates from Portugal, Spain and United Kingdom will be considered. Positions to be based in Viana do Castelo, Portugal preferably.
Reports to	Engineering Manager Structural/Mechanical
Professional experience	▪ 7-8 years of progressive experience in structural analysis and design, with a focus on offshore or marine structures. ▪ Experience with finite element analysis (FEA), structural modelling, and dynamic loading analysis. ▪ Desired experience working on wind energy projects, preferably involving the design of support structures for offshore wind turbines. ▪ Demonstrated track record of successful project deliveries in the marine environment.
Specific professional specialization relevant to the hiring area	▪ Proficiency in structural engineering software tools, such as STAAD Pro, SACS, or ANSYS, for modelling and analysis. ▪ Good technical knowledge of analysis software (FEMAP or SESAM) and Office (Word, Excel, PowerPoint). ▪ Proficiency in programming languages such as Python and MATLAB. ▪ Must have good working awareness of codes and standards in FOW or similar industry. ▪ Understanding of dynamic loading conditions and their effects on structural integrity, including fatigue analysis and mitigation strategies. ▪ Knowledge of advanced materials and construction methods used in offshore structural engineering, with an emphasis on durability and reliability. ▪ Knowledge of CAD software for 3D modelling and drawing packages ▪ Knowledge of PLM software for configuration management and change control
Other requirements/knowledge/skills	▪ Multidisciplinary skills and good knowledge of cross functional disciplines. ▪ Strong analytical and problem-solving skills, with the ability to interpret complex engineering data and make sound technical decisions. ▪ Excellent communication and interpersonal skills, with the ability to collaborate effectively with multidisciplinary teams and stakeholders. ▪ Should demonstrate enthusiasm, be supportive and engaged with his/her team. ▪ Knowledge of risk assessment and mitigation strategies related to structural engineering, including environmental considerations and regulatory requirements. ▪ Innovative thinking, always keeping up to date with technology.

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	▪ Ability to plan and organise own engineering activities and contribute effectively within project schedules. ▪ Good professional verbal and written communication in English. Good level of verbal communication in mandarin will be advantageous.

Activities/Functions (more detail)

- Lead structural analysis and design tasks for Gazelle's support structures, ensuring compliance with project specifications and industry standards.
- Develop detailed engineering designs and calculations for structural components, considering factors such as loading conditions, material properties, and fabrication constraints.
- Conduct finite element analysis (FEA) and other advanced analytical studies to assess structural performance and identify areas for optimization.
- Collaborate with other engineering disciplines, including mechanical, electrical, and naval architecture, to integrate structural components into overall systems.
- Review and check engineering deliverables, including drawings, reports, and specifications, to ensure accuracy, completeness, and compliance with project requirements.
- Provide technical guidance and mentorship to junior structural engineers and support staff, fostering a culture of continuous learning and professional development.
- Support technical interaction with clients, contractors, and regulatory agencies as needed to address technical inquiries, resolve engineering issues, and facilitate project approvals.
- Stay updated on industry trends, emerging technologies, and best practices in offshore structural engineering, contributing to the ongoing improvement of engineering processes and methodologies.