

Mechanical Design Engineer

Glasgow £ Negotiable

Caley require Mechanical Design Engineers to work as part of the design team on a wide range of bespoke design projects for sophisticated equipment for the offshore market.

Mechanical engineers with extensive experience in the design and installation of mechanical systems. A sound engineering background coupled with proven team working skills should enable the candidate to work within multi-disciplined teams on a variety of projects, whilst adhering to tight delivery schedules and budgets.

Role.

- Develop system design philosophy
- Participate fully in the development of Functional Design Specification, and FMECA Analysis,
- Develop design concept and produce detail engineering design of products
- Prepare design calculations and analysis of mechanical systems
- Working closely with Hydraulic and Electrical Engineers to develop operational and control philosophy
- To ensure all engineering activities are completed in compliance with applicable design requirements
- To liaise with Clients to ensure client requirements are met
- To liaise with Third Party Inspection Authorities
- To ensure products are manufactured in accordance with all client and in-house quality requirements
- Support workshop during equipment assembly and testing
- Occasional site installation, commissioning and testing support

Qualifications and Experience

- Degree qualified, ideally in Mechanical Engineering
- Grounding in analytical design, including stress analysis, performing calculation, developing and interpreting FEA, use of ANSYS, etc.
- Knowledge of 3D design drawing techniques, competence in the use of Solid works would be preferred.
- Knowledge of design of hydraulically and electrically actuated equipment would be a distinct advantage
- Problem solving and innovation
- Commercial understanding and experience of projects planning/management

The successful applicant should be able to manage a varied and interesting workload encompassing all aspects of modern engineering design and be able to work as part of a team, leading project teams where required.

The role offers an excellent remuneration package and will be commensurate with the applicant's knowledge and experience.