

Principal Engineer (Mechanical)



Vital Energi are at the forefront of the UK's low carbon energy generating systems of the future.

As a leading turnkey engineering contractor, we design, install, operate and maintain environmentally friendly energy generation centers and the distribution infrastructure, mainly for new build, in the public/private residential, retail and commercial sectors throughout the UK and Ireland. We work with some of the UK's most respected Property Developers and the top 20 construction companies as well as the UK's leading energy utilities companies.

Vital Energi has an ambitious, yet realistic plan to increase turnover fivefold by 2012. To achieve this, we require talented people to join our ever increasing team and in return we can offer excellent career prospects as no project is ever the same, ranging from nationally recognised sporting arenas to major city regeneration with project values ranging from £250k to £15 million.

Due to an increase in the demand for District Heating Schemes throughout the UK, we now need to recruit a Principal Engineer (reporting to Engineering Design Manager) to lead and develop a design team to meet exacting quality standards and to strict deadlines. At all times ensuring that the timely delivery of construction detail design meets all quality, legislative, health & safety, environmental, costs and legal requirements associated with the project.

The Role:

- To lead the design of energy schemes within the team
- To Mentor and develop engineers
- To be innovative and creative in development engineered solutions
- Ensure satisfactory compliance is met with current company quality management requirements
- To lead the input of technical detail within the company's design system
- Lead the design HAZOP reviews on projects
- To value engineer scheme costs
- To deal effectively with the company's design problems to ensure efficient and profitable design, consistent with maintaining the standard of quality
- To discuss directly with customer's to determine their needs and develop satisfactory solutions
- To provide technical advice during construction and to follow up when necessary with visits to sites to investigate any design issues
- To liaise with external designers, suppliers and contractors to deliver cost effective designs ensuring value engineered solutions.
- To liaise with VE Projects and Commercial Departments

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Ideally you will have:

General

- Ideally experience in the design of projects with renewable energy
- Background in design building and contractual experience
- Excellent technical ability
- Excellent mentoring capabilities
- Proactive and self motivated

Specific

- Ideally relevant degree qualified and preferably a chartered engineer
- Experience in leading design risk reviews
- Quality Assurance experience and compliance
- Excellent understanding of Boiler/CHP systems design principles
- Excellent understanding of Plant Rooms and Energy Centers
- Good understanding of steam system design principles
- Good knowledge of Biomass and gasification
- Good knowledge of forms of contract used within this industry
- Past experience working on £5 to £20 million projects