

Design Engineer (Mechanical)



Job Purpose:

- Consider various factors, including use of the product, its environment, materials, the economics of production, safety, legal requirements, quality, production requirements, cost and ease of maintenance sketch outline designs use computer-aided design for detailed design, generating parts lists and specifications liaise with the marketing department about upgrading the product, failures in service and reducing the cost liaise with development engineers about new products and the application of novel technology.

Duties:

- Design of Distributed Energy Schemes
- Input technical detail within the companies quality design process
- Comply with CDM requirements within the company's design process
- Carry out design feasibility studies
- Plant Selection
- Scheme Costing
- HAZOP Studies
- Ensuring compliance with Legislation
- Liaising with external designers
- Liaising with Customers
- Liaising with VE Projects and Commercial Departments

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Ideally you will have:

General

- Appraisal and interpretation of the Client requirements
- Ensure that the project is designed to Vital Energi's quality and design standards
- Ability to design systems in the form of calculations, equipment selection and process operation
- Communication with suppliers and contractors
- Liaison with external project team contractors, contractors and other project stakeholders

Specific

- Minimum qualified to HNC/HND level with 5 years experience
- Ideally with Degree with 3 years experience
- Good understanding of Boiler/CHP systems design principles
- Good understanding of steam system design principles
- Good understanding of heating/cooling distribution design principles
- Good communication skills
- Knowledge of Biomass, gasification and geothermal
- Competent in AutoCad