

AVAILABLE POSITION

Principal Engineer

Job description

PURPOSE AND ROLE

Responsible for the successful execution of design engineering projects, technical tender preparations and tender design estimates to schedule and within budget.

Additionally, with the Engineering Manager, responsible for the management, development and recruitment of the Company's engineering resource.

REPORTING RELATIONSHIP

- Engineering Manager

KEY SUPPORTS

- Engineering Manager
- Head of Projects
- Senior Engineers, Engineers
- Project Managers/Engineers
- Proposals & Tendering Manager
- Proposals Engineers

QUALIFICATIONS

- Minimum of a Degree, HNC/HND in Mechanical Engineering or similar
- Chartered Engineer IMechE preferred
- Significant experience and references in engineering design activities in a highly regulated environment

Key Aims & Objectives

- To lead and progress the technical delivery of engineering projects, as allocated
- To technically support the Commercial Department
- To produce engineering designs and associated engineering documents
- Development of the engineering resource
- Peer review of engineering output

Prime Responsibilities and Duties

- Day-to-day management of the technical aspects of allocated projects, working with a team of engineers or as an individual. Work should be carried out with minimal to no supervision, but with regular consultation with the Head of Department
- Day-to-day tasking of any allocated engineers
- Analyse and understand technical tender specifications, producing the technical aspects of tender returns and creating accurate tender design estimates
- Peer review of concept designs, 3D CAD scheme designs, detailed manufacturing drawings and design substantiation by hand calculations
- Substantiation (by hand calculation) of engineering designs
- Development of the engineering resource, development and implementation of internship and apprenticeship programmes
- Production of concept designs, full 3D scheme design and 2D detail design for manufacture within SolidWorks, all within the required timescales
- Assist in general clerical and administrative duties to ensure the smooth running of the Engineering Department

Required Skills

- Demonstrable track record in engineering design using SolidWorks or similar 3D CAD
- Technical and commercial acumen
- Very strong mechanical engineering (or similar) background
- Exposure to, and understanding of, a wide range of manufacturing processes