

Principal Mechanical Engineer (Contractor)

The role of the Principal Mechanical Engineer is to actively lead and supervise the Mechanical engineering design team, providing technical direction and oversight in the execution of engineering activities, whilst ensuring a compliant and safe design and achievement of quality standards.

Specific Areas of Responsibility;

- Support the Engineering Manager in the reporting of engineering activities, the preparation of project schedules, bid proposals and tender responses.
- Support the operations of the engineering portfolio and identify continuous improvement opportunities through the robust challenge of processes and procedures to achieve Excellence in Engineering.
- Plan and coordinate engineering activities, monitoring performance against project baseline (scope, cost and schedule), and support the Engineering Manager in the identification, assessment and control of contract change.
- Support the implementation of recovery strategies to minimise impacts to cost and schedule where variances are identified against project baselines.
- Identify, evidence and escalate emerging technical issues and project risks to the Engineering Manager.
- Provide technical oversight and support in the execution of engineering activities.
- Produce design basis documentation to support the specification and development of engineering design solutions.
- Ensure conventional and nuclear safety principles are applied in the development of engineering design solutions.
- Facilitate the production, review and update of design risk assessment, ensuring Subject Matter Experts (SMEs) are engaged to support the identification of lifecycle hazards and risk reduction control measures.
- Work closely with Stress Engineers to establish Analysis and Assessment Plans (AAPs) to define the scope of stress analysis to substantiate engineering design solutions.
- Ensure engineering interfaces (physical, functional, performance and information) are identified, communicated and controlled.
- Ensure Technical File documentation adequately demonstrates conformity to applicable legislation, regulations and standards (designated or harmonised) to support UKCA / CE Marking.
- Ensure disciplined application of configuration control arrangements for the identification and control of 3D Models, drawings and documentation.