

Principal EC&I Engineer (Contractor)

The role of the Principal EC&I Engineer is to actively lead and supervise the EC&I 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.