



SENIOR C&I ENGINEER

Job Specification

To support the delivery of our projects we are seeking a Senior C&I Engineer to join the Control and Instrumentation team in Birchwood - Warrington, Westlakes - Cumbria or M-Sparc - North Wales. The responsibilities of this role are to undertake the design of various systems and to provide oversight and checking of others work.

Required experience:

- The C&I plant systems this role primarily covers are:
 - Integrated Control Systems, including systems used in the control and monitoring of nuclear processes.
 - Glovebox systems for the retrieval, processing and packing of nuclear inventory.
 - HVAC systems, for both normal plant areas and process/stores/vessel extract.
 - Alarm and Annunciator Systems.
 - Radiological monitoring and surveillance systems, e.g., Alpha in Air Monitors, Gamma Monitors, Interlocking Systems, Criticality Monitors.
 - Process instruments for use in active systems and processes and associated instrument piping.
 - Radiological Safety Systems designed in accordance with IEC 61508.
 - Mechanical Systems with Control Systems designed in accordance with ISO 13849.
- Management of C&I design configuration baseline for the above C&I systems in response to developing project requirements and design information from the supply chain.
- Production, checking and reviewing C&I design deliverables to programme deadlines and to appropriate relevant standards, codes, and regulations.
- Have produced a large range of design deliverables with minimal supervision, typically including User Requirement specifications, Control Philosophies, Basis of Design, Schedules, Assessments, Data Sheets, Method Statements, O&Ms, LTRs etc.
- Management of key stakeholders and conversant with customer and industry standards.
- Ensures policies and procedures are applied consistently by whole team.
- Critically evaluates designs proposals in terms of cost, programme, resources, technical complexity, risk etc.
- Has used multiple calculation tools over several years, e.g., SIL level calculation.
- Mentor and support the development of engineers, designers, and apprentices.

Desired skills & qualifications:

- Has excellent communication skills and is able to interface with all levels of the engineering organisation.
- Has a BEng/MEng degree or HND/HNC in a relevant field, or demonstrable equivalent experience.
- At least two years' experience in a similar role, previous nuclear experience is highly desirable though not essential providing that suitable experience can be demonstrated.
- At interview, shall be able to demonstrate the following competencies:
 - Evidence of their design competence through previous work and projects.
 - Independently capable of managing their area of responsibility.

This role can be either fully office based or hybrid arrangement of office and home working. There is a requirement to routinely interface with client project teams and travel will therefore be necessary from time to time.

For further details please contact - Janine.Rudenko@tenetconsultants.co.uk



Safety



Integrity



Value



Collaboration