

# Job Description



**Role Title:** Systems Requirements Engineer

**Reporting to:** Chief Engineer – Systems Engineering

## Role Purpose

We are seeking a skilled and detail-oriented System Requirements Engineer to join our dynamic team. The successful candidate will be responsible for capturing, analyzing, and managing system requirements throughout the lifecycle of our projects. This role is crucial to ensuring that all system components meet the necessary functional and non-functional requirements, and that the final product aligns with customer expectations and regulatory standards.

## Key Responsibilities

- **Requirements Elicitation:**  
Engage with stakeholders, including customers, project managers, and engineering teams, to gather and define system requirements. Conduct interviews, workshops, and analysis to understand the needs and constraints of the project.
- **Requirements Documentation:**  
Develop clear, concise, and comprehensive requirements documentation, including use cases, functional and non-functional requirements, system specifications, and interface descriptions.
- **Requirements Management:**  
Utilize requirements management tools to track, manage, and trace requirements throughout the project lifecycle. Ensure that all changes to requirements are documented and communicated effectively.
- **Stakeholder Communication:**  
Serve as the primary liaison between stakeholders and the engineering team, ensuring that all parties have a clear understanding of the requirements and their implications on design and implementation.
- **Verification and Validation:**  
Collaborate with the testing and quality assurance teams to ensure verification and validation coverage of requirements. Ensure requirement status is accurately captured and manage V&V failures.
- **Risk Management:**  
Identify and assess risks related to system requirements. Work with project teams to develop mitigation strategies and ensure that risks are effectively managed.
- **Change Management:**  
Manage and document any changes to requirements during the development process. Ensure that all changes are evaluated for impact and are approved through the proper channels.

- **Continuous Improvement:**

Contribute to the continuous improvement of requirements engineering processes and best practices. Stay updated on industry trends, tools, and techniques related to systems engineering and requirements management.

**Qualifications, Experience and Skills Required:**

- A degree or similar qualification in an engineering discipline
- At least 3 years relevant experience of requirements engineering applied to high integrity software intensive systems OR formal qualifications in Systems Engineering.
- A sound understanding of engineering, physics and applied mathematics and their application to solving real world problems.

**Preferred:**

- Degree with a strong systems engineering content.
- Experience of model-based requirements engineering
- Familiarity with process frameworks e.g. automotive spice and systems engineering processes from requirements validation, through to system verification.
- Experience of Business Management Systems including ISO9001.
- Familiar with delivering projects to APQP requirements or a similar quality driven system.

**System or Knowledge**

- Proven experience in gathering, documenting, and managing complex system requirements.
- Strong understanding of systems engineering principles and practices, including requirements analysis, traceability, and verification/validation.
- Proficiency in requirements management tools (e.g., IBM Rational DOORS, Jama, ReqIF).
- Knowledge of industry standards and regulatory requirements relevant to the domain (e.g., ISO/IEC 15288, ISO 26262, DO-178C).
- Advanced capabilities in Microsoft Office & applications.
- Experience in participating in and chairing change management forums.

## Personal Attributes

- Self-motivated, creative and an adaptive team player.
- Willingness to take on roles, responsibilities and challenges required to achieve company goals and objectives.
- Excellent problem solving and analytical skills.
- Able to prioritise and organise multiple projects, workloads, schedules, and tasks.
- Strong presentation, report writing and communication skills.
- Strong interpersonal skills are essential in this role

## Location and Travel:

- You must be eligible to work in the UK or Czech Republic and have no restrictions for world-wide travel.
- This role is based at either of our bases in the UK or Czech Republic with flexibility for remote working.
- Working hours are 0900 to 1700, including 30-minute paid break 5 days a week, however frequent travel is expected, and flexible working patterns are essential to the role.