

Role Purpose:

To contribute to the delivery and realisation of project work through preparation, development, research, design, testing and analysis work in line with team and business unit requirements. The Scientist / Engineer 1 will work under technical supervision of line manager and senior colleagues, supporting with a range of activities to meet business unit objectives.

Key Responsibilities:

- To maintain consistent and documented compliance with all relevant Safety, Health and Environmental (SHE), quality and best practice requirements.
- To keep self up to date with developments in areas relevant to role, and/or legislative and SHE related changes as communicated by senior colleagues, ensuring understanding of these and any associated new best practice, methods or techniques.
- To present and formally report experimental conclusions and supporting data for internal peer review and submission to clients, to agreed timescales and standards.
- To actively engage in hazard studies / SRA studies and discussions, as appropriate to role level.
- To set up, plan and execute experimental / pilot scale runs and analyse, interpret and report the results of these within agreed timescales and quality standards, and in accordance with project / client requirements.
- To be responsible for providing clearly documented records of technical data, decisions, methodologies, calculations and software use in an agreed format.
- To take ownership in agreeing weekly workplans with line manager, project manager(s) and other relevant stakeholders, and delivering plan to agreed schedule.
- To be responsible for the maintenance and calibration of equipment to ensure it operates in a safe and efficient manner and is available to meet customer needs.
- To take responsibility for general housekeeping of technical areas, to contribute to a safe and healthy workplace.

Direct reports: No direct reports

Education / Qualifications:

Essential:	Desirable:
Educated to HNC or Foundation Degree level (or equivalent) in a Scientific/Engineering discipline plus relevant industrial experience Or Educated to Degree level (or equivalent) in a Scientific/Engineering discipline	Chartered status with a relevant professional institution

Competencies and behaviours	
Leadership (Core)	Decision Making (Enabling)
<ul style="list-style-type: none"> • Respects and values the diversity of talents, skills and backgrounds that others bring to joint projects / work. • Has a positive influence on those in contact with. 	<ul style="list-style-type: none"> • Pro-actively identifies and prioritises the key issues involved to facilitate the decision making process. • Seeks input from the relevant stakeholders when appropriate, considers risks, and

<ul style="list-style-type: none"> • Gains the respect and confidence of colleagues and supports them in achieving their goals and targets. • Aligns own behaviours and actions to CPI's values, vision and goals. 	<ul style="list-style-type: none"> • takes accountability for the impact a decision may have on others. • Makes decisions in a timely manner. • Identifies the key factors in a complex problem.
Communication (Core)	Developing self and others (Enabling)
<ul style="list-style-type: none"> • Communicates in a clear and concise manner, covering all relevant points in a timely manner. • Uses the appropriate route and format to communicate. • Confirms understanding of others communication. • Asks questions to understand other people's viewpoints 	<ul style="list-style-type: none"> • Supports others in their development. • Is personally committed to, and actively seeks, opportunities to improve continuously. • Provides honest helpful feedback to others on their performance. • Insightful about self, strengths and limitations, and how to maximise contribution.
Collaboration (Enabling)	Delivery (Enabling)
<ul style="list-style-type: none"> • Understands the value of establishing effective and supportive relationships, and collaborative working. • Actively listens, questions and observes body language so as to understand communication from others. • Cultivates and maintains partnerships across departments to deliver value for the business 	<ul style="list-style-type: none"> • Prioritises activities based on their impact and strategic importance. • Takes responsibility and monitors own performance. • Can articulate how their work feeds into projects. • Creates and exploits useful metrics. • Displays commitment and engagement to own work. Pursues everything with energy, drive and a need to finish, even when faced with setbacks or resistance.

Knowledge and Experience:

Essential:	Desirable:
<p>Will possess foundation of technical knowledge and some underpinning knowledge in materials science, as well as evidence of technical problem solving.</p> <p>Will exhibit professional knowledge of principles and practices in materials science, as well as experience of practical, technical-based work gained in academic or industrial environments.</p> <p>Can demonstrate evidence of knowledge sharing and network building practice across teams or groups.</p> <p>Has ability to apply limited theoretical and practical scientific/engineering methods to contribute to business activities.</p> <p>Will be learning to apply own judgement and initiative within standard engineering or scientific</p>	<p>Member of a relevant professional body</p>

Research Scientist 1 – Materials Science – Job Description



practices, as well as an understanding of when to seek advice from colleagues.

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