Research Scientist – Analytical Measurement
Job Description

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 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 / analytical 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.

Responsibilities specific to role

- To work within the analytical team to support and deliver project work in this field by developing and applying new methods and working to transfer methods from a range of industrial partners.
- To maintain CPI's analytical capability e.g., assistance in regular maintenance and calibration, and develop it e.g., by expanding your own scientific knowledge, training, assisting in the purchase and extension of new equipment.

Direct reports: No direct reports

Education / Qualifications:

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

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Competencies and behaviours	
Leadership (Core)	**Decision Making (Enabling)**
• 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. • Gains the respect and confidence of colleagues and supports them in achieving their goals and targets. • Aligns owns behaviours and actions to CPI's values, vision and goals.	• 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 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)**
• 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	• 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)**
• 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	• 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:
Will possess foundation of technical knowledge and some underpinning knowledge in analytical science, as well as evidence of technical problem solving. Will exhibit professional knowledge of principles and practices in analytical measurement, as well as experience of practical, technical-based work gained in academic or industrial environments.	Member of a relevant professional body Knowledge and understanding of materials science. Industrial experience.

Can demonstrate evidence of knowledge sharing and network building practice across teams or groups. Has ability to apply limited theoretical and practical scientific methods to contribute to business activities to analytical measurement Will be learning to apply own judgement and initiative within standard scientific practices, as well as an understanding of when to seek advice from colleagues.	