

Job Description.

HORIBA MIRA, (hereafter known as MIRA), is a global provider of pioneering engineering, research and test services to the automotive, defence, aerospace and rail sectors. We work in close collaboration with vehicle manufacturers and suppliers around the world, providing comprehensive support ranging from individual product tests to turnkey engineering design, development and build programmes.

With over 70 years' experience in developing some of the world's most iconic vehicles, our engineers utilise the latest test facilities and simulation tools to make vehicles and journeys safer, cleaner, more efficient and rewarding. Our suite of 37 major test facilities, 100km of specialised proving ground and wealth of engineering experience, combined with our expanding international presence, means we are confident that we can achieve our vision – that by 2024 every journey in the world will be positively influenced by us.

Progress towards achieving our vision has been significantly accelerated through the creation of MIRA Technology Park, Europe's largest transport technology R&D cluster. By applying our advanced engineering, test and validation capabilities to our customers' challenging programmes, we are already shaping journeys of the future.

An opportunity has arisen within the propulsion and electromobility group to recruit an engineer on a contract basis. The contract will be on an initial 6 month basis with the test team at the Quatro Park site in Basildon. Products tested can vary but are focused on EV batteries and associated technologies.

This role is suitable for either recently graduated engineers or those with more experience. Ideally, we are looking for engineers with an electrical engineering background but would consider great engineers with a desire and aptitude for learning new skills.

Title of Job:	Project Engineer (Electrical and electronic bias)		
Department:	459 – Electrification & Environmental Testing		
Grade:	3N		
Date Required:	Immediate start possible		
Salary Range:	Competitive – based on skills and experience		
Number Required:	One		
Location:	Quatro Park, Basildon, Essex		
Contract Type:	Permanent:		Contractor: Yes
Responsible To:	Principal Engineer		
Subordinates:	None		

Main Purpose of Job

- Project Engineer – Manage customer test programs from quotation to final report, including execution of the testing. Deliver test programs on time, within budget and according to the appropriate quality and health and safety requirements.

Key Responsibilities

- Execution of electrical and environmental test in accordance with appropriate specifications
- Project management of the test programs you are responsible for including
 - Proposal generation
 - Financial control
 - On-time delivery
 - Reporting
 - Customer liaison

- Applying engineering skills to solve the challenges presented by customer test requirements
- Ensure pre-project planning identifies all capability required to successfully deliver the program (including technology, calibration, facilities and personnel).
- Ensure project meets MIRA Environmental Aspects and H&S criteria including production of Risk Assessments, COSHH assessments and other tools required to ensure safety
- Work flexibly in a team across multiple-test disciplines within the Quatro Park Test facility and support colleagues as workload variations change.
- Uphold the company values.
- Apply Continuous Improvement (CI) and 5S processes to improve our technical portfolio.

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Essential Qualifications	Preferred Qualifications
<ul style="list-style-type: none"> • HNC Electrical / electronics or other engineering subject 	<ul style="list-style-type: none"> • Degree in electrical / electronic engineering or other engineering subject

Essential Experience	Preferred Experience
<ul style="list-style-type: none"> • Working with transducers, signal conditioning equipment and data loggers • Capable of working independently or as part of a team to provide test solutions • Familiarity with Oscilloscopes, DVM's etc. • Able to use MS Word and Excel to a good standard 	<ul style="list-style-type: none"> • Project management • Electrical engineering • Working with high voltage DC • Working with internal and external customers on problem resolution • Knowledge of Electric Vehicle systems/ batteries • Knowledge of Canalyzer / NI Labview or NI Test Stand

What is the candidate likely to be doing now?

- Working in an electronic / electrical project or testing environment / recently graduated

Other information

- Security clearance will be required
- Flexibility with working hours will be required due to the timing of tests (e.g. weekend and evening working).
- Must be able to converse fluently in English and write technical proposals and reports to a high standard in English.