

Requisition Number:

Job Description.

MIRA is a world-class, independent engineering consultancy, operating in multiple locations around the world, to support vehicle manufacturers and their supply chain with cutting-edge engineering and testing expertise .

We offer full-system design, test and integration expertise to automotive, defence, rail and transport industries and also specialise in developing low carbon and autonomous and co-operative driving technologies.

At our headquarters in the Midlands, we have access to one of the most comprehensive vehicle proving grounds which boasts 93km of test tracks and over 35 world-class test facilities and laboratories. Our facilities, combined with the engineering expertise of our 600 strong team makes MIRA Technology Park Europe 's number one location for transport sector R&D.

Title of Job:	Performance & Durability Project Engineer		
Department:	Mechanical Engineering – Engineering 0432		
Grade:	Dependant on experience		
Date Required:	April 2022		
Salary Range:	Competitive		
Number Required:	1		
Location:	Based at Horiba MIRA HQ in Nuneaton		
Reason for Vacancy:	Position has become vacant		
Contract Type:	Permanent:	Yes	Contractor: Will Consider
Responsible To:	Team Leader P&D		
Subordinates:	None		

Main Purpose of Job
Deliver vehicle performance & durability projects including structural, powertrain, corrosion and performance tests.

Key Functions
<p>The key functions of the role will include:</p> <ul style="list-style-type: none"> • Run development projects for the durability function at MIRA • Support the MIRA product group with technical input for proposals • Support department process improvements • Lead resolution of vehicle and equipment technical issues effectively and efficiently • Work effectively with other function teams as necessary including RLD, Dynamics, Braking and NVH

Essential Qualifications	Preferred Qualifications
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<ul style="list-style-type: none"> • A good degree (BSc/BEng) in automotive or mechanical engineering or equivalent (dependant on experience) • Clean driving license 	<ul style="list-style-type: none"> • Chartered engineer or working towards professional registration
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Essential Experience	Preferred Experience
<ul style="list-style-type: none"> • General and practical understanding of vehicle systems • Whole vehicle level test experience • Knowledge of vehicle network systems • Experience of installation and use of data logging equipment • Specific testing experience of whole vehicle performance, durability & corrosion • Knowledge of Road Load Data (RLD) methods & application • Development of procedures/verification methods (design of experiment) • Data analysis and reporting • Direct customer liaison experience, proven record of delivering test activities and reporting to deadlines, working with overseas customers in foreign territories • Good working knowledge of MS Word/Excel/Powerpoint/Outlook • Use of quality assessment, root cause analysis and rectification processes • Vehicle teardown & analysis • High voltage EV vehicle experience 	<ul style="list-style-type: none"> • System test • Advanced driving skills (off road/skid car/high speed training) • Commercial vehicle experience (C+E licence would be advantageous) • Experience of PEMS (portable emissions measurement system) and or volumetric fuel measurement testing • Use of Racelogic VBox and VBox Tools for data acquisition & analysis

What is the candidate likely to be doing now?
<ul style="list-style-type: none"> • Working in an engineering function of test house or development area of a vehicle OEM or Tier 1 supplier.

Other information
<ul style="list-style-type: none"> • Candidates with no previous durability experience will not be considered for this role