

Requisition Number:

Job Description.

HORIBA MIRA is looking for a Defence Safety Consultant to join a unique and growing team. Based at the heart of the UK automotive industry, they will form part of the growth strategy within HORIBA MIRA. This role will include, but not be limited to, delivering and developing MIRA's trusted functional safety service, including:

- Delivery of safety engineering services through the whole-vehicle's development lifecycle
- Research and development of new safety services and products
- Supporting the wider multi-disciplinary team of Cybersecurity, Electromagnetic Resilience and Functional Safety experts in developing and delivering integrated Vehicle Resilience services.

This technical role requires a highly motivated individual with experience in risk-driven engineering methods, safety analysis and creative but structured problem resolution.

We are offering the chance to work in 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:	Defence Safety Consultant		
Department:	0441 Systems & Safety		
Grade:	5P		
Date Required:	ASAP		
Salary Range:	Competitive		
Number Required:	1		
Location:	MIRA Nuneaton		
Contract Type:	Permanent:	Y	Contractor: N
Responsible To:	Team leader / Manager (systems and safety function)		
Subordinates:	None		

Main Purpose of Job
<ul style="list-style-type: none"> • Take a principal role in executing safety activities for internal or external defence customers • Provide expert level consultancy in Defence Safety Standards including Def-Stan 00-56 / IEC 61508

Key Functions
<ul style="list-style-type: none"> • Managing and performing safety analyses and safety engineering activities for defence projects

- Interfacing with the Independent Safety Assessor
- Promoting the safety approach amongst project team members
- Delivering safety artefacts to time, to cost and quality requirements
- Managing challenging stakeholders who can have diverse objectives

Essential Qualifications	Preferred Qualifications
<ul style="list-style-type: none"> • Good first degree (minimum 2:1) in electrical/electronic engineering, systems engineering or a relevant related discipline 	<ul style="list-style-type: none"> • Higher degree (relevant M.Sc, Eng D or Ph.D) • Corporate membership of an engineering institution including Chartered Engineer qualification

Essential Experience	Preferred Experience
<p>Expert (5+ years' experience in):</p> <ul style="list-style-type: none"> • Creation and assembly of a safety case for ground-based platforms and equipment • Management of hazard logs • Safety planning and Management to Def-Stan 00-56 • Application of IEC 61508 • Safety assessment of trials, prototype or experimental systems • Safety verification and validation planning and analysis <p>The candidate must have a strong experience in systems engineering and requirements driven developments and be capable of advising clients on best-practice.</p>	<p>Some combination of:</p> <ul style="list-style-type: none"> • Automotive ISO 26262 experience • Controllability of vehicles, in particular vehicle dynamics, control system performance and human-machine interactions • Remotely controlled or unmanned ground vehicles • Embedded hardware design and technical review for safety-related systems • Embedded software design and technical review for safety-related systems • Fault Tree Analysis • Failure Mode and Effect Analysis • Event Tree / Accident Sequence Analysis

What is the candidate likely to be doing now?

- Project Safety Manager or safety function lead in a manufacturer of AFVs / Defence related ground vehicles
- Safety consultant for provision of safety management and engineering to defence manufacturer of ground vehicles

Other information

The candidate should:

- Be capable of delivering a high standard of technical writing
- Be capable of presenting technical information confidently to customers
- Be a self-starter and able to execute designated tasks accurately and within timing and budget constraints
- Have well-developed analytical skills – rigorous but pragmatic, being able to justify decisions with solid rationale
- Have good interpersonal skills – a consensus-builder not confrontational
- Be capable of technically managing a small group of engineers
- Be willing to travel and work flexibly