

Requisition Number:

## Job Description.

HORIBA is looking for a Functional Safety Consultant to join a unique and growing team and support our growth strategy to expand our offering in Japan. This role will include, but not be limited to, delivering and developing HORIBA MIRA's trusted functional safety service, including:

- Delivery of functional safety engineering services through the whole-vehicle's development lifecycle
- Research and development of new functional 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.

<b>Title of Job:</b>	Functional Safety Consultant		
<b>Department</b>	TBD		
<b>Grade:</b>	Consultant (5P)		
<b>Date Required:</b>	ASAP		
<b>Salary Range:</b>	Competitive		
<b>Number Required:</b>	1		
<b>Location:</b>	UK (with regular travel to Japan)		
<b>Contract Type:</b>	<b>Permanent:</b>	N	<b>Contractor:</b> Y
<b>Responsible To:</b>	None		
<b>Subordinates:</b>	No direct subordinates but required to work in flexible team structure		

Main Purpose of Job
<ul style="list-style-type: none"> <li>• Take a principal role in executing functional safety activities for customers based in Japan</li> <li>• Provide expert level consultancy in ISO 26262 (particularly Part 6) and safety analyses.</li> </ul>

Key Functions
<ul style="list-style-type: none"> <li>• Coaching, coordinating and delivering ISO 26262 Part 6 software engineering activities</li> <li>• Developing process to support functional safety in a software development environment</li> </ul>

- Technical project management / decision making to deliver on time, to cost and quality
- Delivering value-add functional safety consultancy/guidance

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

Essential Experience	Preferred Experience
<p>Expert (5+ years' experience in):</p> <ul style="list-style-type: none"> <li>• Delivering ISO 26262 to vehicle manufacturers and tier 1 suppliers covering all aspects of the safety lifecycle</li> <li>• Safety analyses techniques with broad exposure to different processes, methodologies and stakeholder objectives</li> <li>• Software development background and ISO 26262 Part 6 experience</li> </ul> <p>Experience in all of:</p> <ul style="list-style-type: none"> <li>• Managing, evaluating and supporting development of safety culture</li> <li>• Functional safety planning &amp; management</li> <li>• Coaching supporting the OS team in implementing FuSa processes (from requirements elicitation, architecture definition through to validation and verification)</li> <li>• Identifying tool use cases and assisting in tool evaluation/qualification</li> <li>• User, systems and software level requirements capture, management and technical review</li> <li>• Providing guidance on good design practices such as use of SysML for architectural design/UML for unit design</li> <li>• Preparing safety cases (including safety arguments)</li> <li>• System/software level architectural design and technical review</li> </ul> <p>The candidate must have a strong</p>	<p>Some combination of:</p> <ul style="list-style-type: none"> <li>• Embedded software design and technical review for safety-related systems</li> <li>• Engineering process development and practical implementation; including CMMI, ISO 15504 (SPICE)</li> <li>• Awareness of cyber-security principles and their commercial application (e.g. threat analysis, security requirements/techniques and penetration testing)</li> </ul>

experience in systems/software engineering and requirements driven developments and be capable of advising clients on best-practice.	
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Other information
<p>The candidate should:</p> <ul style="list-style-type: none"> <li>• Be capable of delivering a high standard of technical writing (English)</li> <li>• Be capable of presenting technical information confidently to customers (English)</li> <li>• Be a self-starter and able to execute designated tasks accurately and within timing and budget constraints</li> <li>• Have well-developed analytical skills – rigorous but pragmatic, being able to justify decisions with solid rationale</li> <li>• Have good interpersonal skills – a consensus-builder not confrontational</li> <li>• Be capable of technically managing a small group of engineers</li> <li>• Be willing to travel and work flexibly</li> </ul>