

Requisition Number:

## Job Description.

HORIBA MIRA is looking for a Functional Safety Manager / 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 with a position based in Japan . This role will include, but not be limited to, delivering and developing MIRA’s trusted functional safety service, including:

- Establishing, promoting and maintaining a strong safety culture within customers
- Process improvement, and targeted training and coaching for customer product development teams including integration with Agile approaches
- Overall planning, coordination and monitoring progress of activities related to functional safety
- Co-ordinate the functional safety team development and resourcing
- Ownership and responsibility for successful assurance activities such as safety cases, process audit and product safety assessment, liaising with internal and external stakeholders.

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.

This role will be based in Japan for 18-24 months. The applicant must be either currently based in Japan or willing to relocate. The role is likely to require an initial 2-3 months in the UK to align with the UK team.

<b>Title of Job:</b>	Functional Safety Manager / Consultant		
<b>Department:</b>	0441 Systems & Safety		
<b>Grade:</b>	Consultant (5P) / Technical Specialist (6K)		
<b>Date Required:</b>	ASAP		
<b>Salary Range:</b>	depending on skills and experience		
<b>Number Required:</b>	1		
<b>Location:</b>	Japan (initial 2-3 months in UK)		
<b>Contract Type:</b>	<b>Permanent:</b>	Y	<b>Contractor:</b> Y
<b>Responsible To:</b>	Team leader / Manager (systems and safety function)		
<b>Subordinates:</b>	No direct subordinates but required to work in flexible team structure		

### Main Purpose of Job

- Take a principal role in ISO 26262 functional safety management for customer s based in Japan
- Provide expert level consultancy in ISO 26262

### Key Functions

- Establish, promote and maintain a strong safety culture within customers

- Process improvement, and targeted training and coaching for customer product development teams including integration with Agile approaches
- Overall planning, coordination and monitoring progress of activities related to functional safety
- Co-ordinate the functional safety team development and resourcing
- Ownership and responsibility for successful assurance activities such as safety cases, process audit and product safety assessment, liaising with internal and external stakeholders.

Essential Qualifications	Preferred Qualifications
<ul style="list-style-type: none"> <li>• Good first degree (minimum 2:1) in electrical/electronic engineering, systems 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>• ISO 26262 functional safety management in a vehicle manufacturer and/or tier 1 suppliers covering all aspects of the safety lifecycle</li> <li>• Delivering ISO 26262 to vehicle manufacturers and tier 1 suppliers covering all aspects of the safety lifecycle</li> </ul> <p>Experience in all of:</p> <ul style="list-style-type: none"> <li>• Automotive-relevant safety-related systems standards</li> <li>• Software design lifecycle and development for safety-related systems</li> <li>• Functional safety planning &amp; management</li> <li>• Functional safety process development and improvement</li> <li>• Identifying hazards, performing risk assessment and classification</li> <li>• User and systems level requirements capture, management and technical review</li> <li>• Preparing safety cases (including safety arguments)</li> <li>• System level architectural design and technical review</li> <li>• Validation and verification activities</li> <li>• Process audit, product safety assessment and certification</li> <li>• Developing and delivering training</li> </ul>	<p>Some combination of:</p> <ul style="list-style-type: none"> <li>• Applying a structured approach to managing Safety of the Intended Functionality (SOTIF)</li> <li>• Controllability of vehicles, in particular vehicle dynamics, control system performance and human-machine interactions</li> <li>• Embedded hardware design and technical review for safety-related systems and ADAS</li> <li>• Other automotive-relevant safety-related systems standards such as IEC 61508</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>

<p>courses</p> <ul style="list-style-type: none"> <li>• Technical leadership of small project teams</li> </ul> <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>	
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<p><b>What is the candidate likely to be doing now?</b></p>
<ul style="list-style-type: none"> <li>• Functional safety manager or consultant for an automotive VM, Tier 1 or Tier 2 supplier</li> </ul>

<p><b>Other information</b></p>
<p>The candidate should:</p> <ul style="list-style-type: none"> <li>• Be capable of delivering a high standard of technical writing</li> <li>• Be capable of presenting technical information confidently to customers</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: The role is based in Japan for 18-24 months with an initial 2-3 months in the UK to align with the UK team. Likely to involve occasional return trips to the UK and/or other travel during the secondment. A return to the UK team at the end of the secondment is an option.</li> </ul>