

<b>Job Title:</b>	Senior Safety / RAMS Engineer	<b>Position Type:</b>	Permanent, Full-time
<b>Location:</b>	Melksham	<b>Grade:</b>	M
<b>Department:</b>	Engineering	<b>Closing Date:</b>	21/12/18
<b>Job Description:</b>			
<b>Purpose of position:</b>	<p>Due to unprecedented levels of growth, investment and modernisation of the rail industry internationally, a requirement for an experienced Senior Safety / RAMS Engineer to join a leading global safety critical sub-system provider has arisen.</p> <p>The role will involve all aspects of system safety analysis, generation of Safety Cases and associated analyses in support of Rail Vehicle Safety and Reliability Assessments, predominantly for new product development and projects but also in-service support and system overhaul and upgrades.</p> <p>The role spans the full product and vehicle level lifecycle with exciting opportunities to take a leading role in management and technical authority of safety work packages, working closely with customers, independent assessment and certification / regulatory bodies as well as third parties where applicable.</p>		
<b>Training / education:</b>	<ul style="list-style-type: none"> <li>• HND / Degree in relevant engineering discipline.</li> <li>• Formal Systems Safety related training preferred.</li> <li>• Systems engineering background would be a distinct advantage.</li> </ul>		
<b>Professional experience and / or qualifications:</b>	<ul style="list-style-type: none"> <li>• Proven experience in similar Safety / RAMS discipline. Rail, Aerospace, Defence or other sectors strongly considered.</li> <li>• Knowledge of CENELEC Standards or equivalent industry / sector regulations and standards.</li> <li>• A good working background of Electro / Mechanical / Pneumatic systems and complex HW + SW systems is essential.</li> <li>• Experience working with Notified Bodies (NoBo) / Independent Safety Assessors (ISA) or equivalent regulators and certification authorities.</li> <li>• Experience of working in the Rail Industry would be an advantage. Equivalent roles in Aerospace / Defence and automotive will be considered.</li> <li>• Knowledge of Software (safety critical systems related) would be a distinct advantage.</li> </ul>		
<b>Additional skills and requirements (IT, languages, extensive travel, etc.):</b>	<ul style="list-style-type: none"> <li>• Effective communication skills; written and oral.</li> <li>• Should conduct work using a systematic and methodical approach with good attention to detail.</li> <li>• Available to travel within the UK, and occasionally overseas as required.</li> <li>• Good at team-working and able to evolve effective working relationships.</li> <li>• Experience of safety specific tool sets.</li> </ul>		

<b>Financial responsibility:</b>	N/A
<b>Key indicators:</b>	N/A
<b>Responsibility for personnel:</b>	N/A
<b>Indicative main responsibilities / duties (5-9 key outputs):</b>	
<ul style="list-style-type: none"> <li>• Generate and manage Safety Case submissions throughout the system life cycle.</li> <li>• Developing and maintaining sound working relationships with regulatory authorities and customers.</li> <li>• Performing SIL Determination / Allocation for specific product functions.</li> <li>• Performing Hazard Identification / analysis to assess a hazard, causes and level of risk.</li> <li>• Specifying safety requirements to reduce hazard risks to an acceptable level.</li> <li>• Working with Systems / Design Engineers to develop robust safety architectures which meet the safety requirements (with DFMEA, Functional Failure Analysis and Reliability Block Diagrams).</li> <li>• Reviewing and analysing the design using analytical techniques such as Static Analysis, Fault Trees Analysis (FTA) and Failure Modes &amp; Effects Analysis (FMEA) from system level down to physical component level to validate that the design meets the safety requirements and standards.</li> <li>• Peer review of RAMS colleagues' analyses and reports.</li> <li>• Assisting planning activities, conducting and participating in project audits / reviews.</li> <li>• Reliability, availability and maintainability analysis.</li> </ul>	
<b>Applying for this position:</b>	
<b>By email:</b>	<p>To apply by email, please send your CV and Covering Letter to: <a href="mailto:recruitment.resmlk@knorr-bremse.com">recruitment.resmlk@knorr-bremse.com</a>.</p> <p>Please include the '<b>Job Title</b>' in the email subject.</p>

Please note that roles may close earlier than specified should we receive sufficient applications prior to the written closing date.