

<b>Job Title:</b>	Test and Validation Engineer – Product Integration	<b>Position Type:</b>	Permanent Full-time
<b>Location:</b>	KBRS Melksham		
<b>Department:</b>	Engineering		
<b>Job Description:</b>			
<b>Purpose of position:</b>	<p>Working within the Development and Test Department to playing a significant role in delivering complex and comprehensive test programmes of safety critical mechatronic products and components.</p> <p>As a Test and Validation Engineer, you are responsible for the life cycle, specification, delivery and execution of functional and performance and Type testing of Mechatronic Products and the reporting of tests in accordance with industry standards and departmental guidelines and procedures. This includes but is not limited to; the design, manufacture and commissioning of test rigs and test set ups, identifying equipment needed, control of test assets and test equipment, handling test failures and investigations, ensuring the quality of test and the upkeep of documentation and equipment, generation of verification plans and compliance matrices.</p>		
<b>Training/Education:</b>	<ul style="list-style-type: none"> <li>• Engineering Degree or Equivalent</li> </ul>		
<b>Professional experience and / or qualifications:</b>	<ul style="list-style-type: none"> <li>• 5 -10 Years' Experience within Test Engineering field, including test specification, execution and reporting,</li> <li>• Proactive and driven individual,</li> <li>• Proven experience organising and executing test programmes,</li> <li>• Proven experience of functional, environmental and EMC testing of mechatronic products and components</li> <li>• Experience of working within a Quality Controlled Test Environment,</li> <li>• Experience within Test Engineering field including conducting tests,</li> <li>• Systems / Mechatronic Engineering Background, working with Electromechanical Products,</li> <li>• Experience of deriving test cases from Requirements and Architecture definitions,</li> <li>• Experience in compiling Test Reports,</li> <li>• Able to read and define engineering drawings and schematics,</li> <li>• Good knowledge of industry standards, (EN50155 or equivalent)</li> <li>• Proven experience, executing tests to plan and on time.</li> <li>• Experience in managing test facilities, test equipment and test assets an advantage.</li> </ul>		

<b>Additional skills and requirements (IT, languages, extensive travel, Etc.):</b>	<ul style="list-style-type: none"> <li>• Proficient in Microsoft Office</li> <li>• CAD,</li> <li>• SAP,</li> <li>• PLM,</li> <li>• M+P Software,</li> <li>• LabView (essential),</li> <li>• MatLab,</li> <li>• Test Stand</li> <li>• Requirements Management tools – DOORS / Integrity</li> <li>• PLC Programming,</li> <li>• Data Acquisition and Analysis software,</li> <li>• Must be available for overseas travel,</li> <li>• Excellent communication skills,</li> <li>• Fault Reporting / FRACAS</li> </ul>
<b>Responsibility for personnel:</b>	None
<b>Indicative main responsibilities / duties (5-9 key outputs):</b>	
<ul style="list-style-type: none"> <li>• The execution of full suite Type Testing as outlined in EN50155 which includes but not limited to; <ul style="list-style-type: none"> <li>○ Performance Test of products, following Test Specifications at product level,</li> <li>○ CERT, following Test Specifications at product level,</li> <li>○ Environmental Test, following Test Specifications at product level,</li> <li>○ Shock and Vibration Testing, following Test Specifications at product level,</li> <li>○ Salt Spray Testing, following Test Specifications at product level,</li> <li>○ Ingress Protection Testing, following Test Specifications at product level,</li> <li>○ Support to EMC Testing</li> </ul> </li> <li>• Development testing and evaluation of prototypes.</li> <li>• Define, Design and oversee the manufacture of Test Rigs, Test Rig Looms and Harnesses, Test Set Ups and Schematics to suite the business needs,</li> <li>• Functional and Performance Testing of complex systems / sub-assemblies / components</li> <li>• Define and implement Data Acquisition and test automation solutions,</li> <li>• The compiling of Test Reports and Compliance Matrices,</li> <li>• Test Failure reporting and investigation handling inc dealing with other disciplines</li> <li>• Test Readiness reviews</li> </ul> <p>To liaise with External and Global Test Houses.</p>	
<b>Applying for this position:</b>	
<b>By email:</b>	Please send your CV and Covering Letter to: <a href="mailto:MLK.Recruitment@knorr-bremse.com">MLK.Recruitment@knorr-bremse.com</a> Please include the 'Job Title' in the email subject.