

<b>Job Title:</b>	Embedded Software Engineer	<b>Position Type:</b>	Permanent, Full-time
<b>Location:</b>	Melksham	<b>Grade:</b>	L / M
<b>Department:</b>	Engineering	<b>Closing Date:</b>	22/02/19
<b>Job Description:</b>			
<b>Purpose of position:</b>	To engineer and maintain embedded software on KBRs products.		
<b>Training / education:</b>	Degree in Software Engineering / Computer Science related subject or relevant experience.		
<b>Professional experience and / or qualifications:</b>	<p><b>Essential:</b></p> <ul style="list-style-type: none"> <li>• In depth knowledge of serial communications in embedded real-time applications.</li> <li>• Demonstrated development of embedded software using the C language.</li> <li>• Use of configuration control tooling to provide version controlling to KBRs's embedded software.</li> </ul> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Appreciation of developing safety-related software with appreciation of the EN50128.</li> <li>• Significant experience in CAN Bus and Ethernet communications is highly desirable.</li> <li>• Significant experience in RS232, SPI and I2C communications is highly desirable.</li> <li>• Some experience in real-time safety related software development within a software quality process is advantageous.</li> <li>• Have understanding or basic experience in different methods of white-box testing.</li> <li>• C++.NET experience to allow creation or maintaining of test PC applications for embedded software.</li> </ul>		
<b>Additional skills and requirements (IT, languages, extensive travel, etc.):</b>	<ul style="list-style-type: none"> <li>• Have the capability to specify and implement network architectures and communication protocols.</li> <li>• Willing to travel for short periods to support embedded software.</li> </ul>		
<b>Financial responsibility:</b>	N/A		
<b>Key indicators:</b>	N/A		
<b>Responsibility for personnel:</b>	N/A		

**Indicative main responsibilities / duties (5-9 key outputs):**

- Engineering and maintaining embedded software on KBRS Brake related products (full lifecycle).
- Developing embedded products and networks with integrated communication interfaces.
- On receiving product requirements, writing software requirements for real-time embedded software solutions that allow a software tester to write test cases to verify the software's operation.
- Module testing code produced using test harnesses created using KBRS tooling, identifying any issues or proving compliance to functional requirements.

**Applying for this position:****By email:**

To apply by email, please send your CV and Covering Letter to: [recruitment.resmlk@knorr-bremse.com](mailto:recruitment.resmlk@knorr-bremse.com).

Please include the '**Job Title**' in the email subject.

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