Do you want to contribute to make vehicles more environmentally friendly?

About Chassis Brakes International
Chassis Brakes International is one of the world's largest manufacturers of automotive braking solutions. Its products - disk brakes, drum brakes, electro-mechanical parking brakes and rotors - are dedicated to passenger cars and light commercial vehicles. Chassis Brakes International benefits from a strong expertise gained throughout more than 90 years in the foundation brakes industry under different banners. Since June 2012, the company has been part of KPS Capital Partners, LP portfolio companies. Chassis Brakes International has a global footprint with operations in Europe, Asia, South Africa, North and South America. The company employs 5,200 people in 16 countries at 13 manufacturing sites and 11 engineering centers or sales offices.
www.chassisbrakes.com

Make vehicle more environment friendly - that's what we stand for.

Our R&D centers in braking technology develop new breakthrough innovation for new lighter and recyclable material. Using the latest testing and simulation technology, low noise and low vibration braking system are offered to our customers anywhere in the world. For the new R&D center based in High Tech Campus Eindhoven we are looking for

Electronic Hardware Engineers

Job description

As Electronic Hardware Engineer are you in charge of defining and developing the Electronic Control Unit and Embedded software part of electromechanical brakes and electromechanical parking brakes in particular.

- Design Electronic Components (PCB), software, products, interface and integration system (Brake system)
- Define and write requirements and specifications in Innovation development projects, Cooperation with the design mechanical team for electromechanical components, with the software design team.
- Analyze potential customer needs and determine electronic system requirements, capacity, and cost to develop a system plan
- Develop and testing procedures for electronic, electromechanical brake and system
- Evaluate potential (Benchmarking) electronic market systems and recommend design modifications
- Inspect electronic equipment, instruments, and systems to make sure they meet safety standards and applicable regulations
- Request / drive and / or realize technical studies (theoretical approach, numerical simulation, component testing) in order to improve product knowledge and to refine the PCB design strategies.

- Active participation in realizing PCB components and / or driving external EMS (Electronic Manufacturing Services).

- Participation in Hardware verification activities (Design reviews)
- Follow-up of Hardware validation activities in cooperation with EMS support.
- Documentation and follow-up of evolutions and technical changes.
- Assure completeness and versioning of system and Hardware documentation in accordance with internal processes and / or ISO 26262 standard.
- Participation in preparing and presenting Hardware documentation
- Participation in continuous improvement activities within CBI. Ex: optimization of internal processes, benchmark and set-up of development tools.

Professional requirements:
- Degree in Electronic engineer (minimum 3 years of professional experience in a similar position).

Tools / development environment:
- Altium Designer, LTSPICE, Eagle, MPLAB (Microchip), Embedded C Code (Microcontroller), Matlab/Simulink XPC Target, ISO26262 Matlab Toolbox, DOORS, Dspace, C code, CAN, FlexRay
- Knowledge about ISO 26262 standard, VDA, Autosar

Personal abilities:
- Openness in relationships
- Solid technical and theory knowledge in Electronic Hardware
- Autonomous and curious, methodological approach and documentation.
- Willingness to share their experience and results.

Languages:
- Fluent English mandatory

Others:
- Driving license

How to apply?
If you are convinced you are the right person for the job, please send your resume and short motivation in English to recruitment@closer2talent.com