

Kapsch TrafficCom AB

Hardware Design/Test Engineer

Location: Jönköping

Kapsch TrafficCom, a company of the Kapsch Group, is a provider of intelligent transportation systems in the fields of tolling, traffic management, smart urban mobility, traffic safety/security and connected vehicles. As a one-stop solutions provider, Kapsch offers end-to-end solutions covering the entire value creation chain of its customers – from components and design to the implementation and operation of systems.

Kapsch TrafficCom AB in Jönköping has 170 employees and is specialized in Connected Vehicles (V2X) and Electronic Tolling systems.

Job-Facts

You will be working in a global development team that includes both designers and testers within the areas of HW, SW and Mechanics. The designers and testers are working very close together to achieve an efficient development approach. Polarion is used as ALM tool for the complete development team to track all requirements and test cases. In a project you will have the possibility to be part of the complete development lifecycle, from concept to production. The test performance and test development for you as a test engineer will both involve design testing, design validation, product validation and aftermarket/root cause testing. The market we are addressing is Tolling, Connected Vehicles and V2X technology, which is a new business segment within Kapsch. So here you will have the chance to be part of building up a new department within Kapsch but also be part of building vehicles of the future.

Working areas

- > HW design (including schematic, layout, mechatronical components)
- > HW test (unit, integration and complete)

Work assignments

- > Perform schematic design (choosing components, calculate design variables, set up schematic HW blocks, generate BOM)
- > Perform layout design (routing, layer set-up, component placing)
- > Have close contact with component suppliers, perform component purchase towards design samples
- > Perform and support in mechatronical design (harness and connectors)
- > Support mechanical design in HW/mechanics interface development
- > Perform and plan HW tests (EMC, Electrical loads, ESD)
- > Perform design and test documentation (Requirement documentation, design documentation, Test descriptions, test reports)

- > Technologies to test: Vehicle integration, electrical environment, mechanical environment, Radio, GNSS, security
- > Perform root cause analysis and failure analysis
- > Work close together with SW and mechanical designers regarding requirement, design and test handling
- > Set up structure and strategies regarding continuous improvement and efficiency within responsible area of testing

Competence

- > Experience in embedded system HW
- > Mechanical testing
- > Experience HW CAD design (OrCAD, Altium or equivalent)
- > Set up test environment for integration and complete test
- > Experience in different test methods and labs for electrical environment testing
- > Analytical approach to work assignments
- > MSc within Electronics Engineering, SW engineering or equivalent
- > Fluent in English

Our offer to you

- > A full-time or part-time position with good salary
- > Social benefits of a modern company, e.g. flexible working hours, group insurances, etc.
- > Exciting challenges with room for new and innovative ideas within a highly qualified team
- > An international team practicing agile methodology and exciting challenges with room for new ideas
- > A hands-on onboarding with an experienced team to get familiar with the business and domain-related processes
- > The benefits of a local company: Kapsch TrafficCom AB with 170 employees in Jönköping, specialized in Connected Vehicles (V2X) and Electronic Tolling systems.
- > The benefits of a of a global company: Kapsch Group with 6800 Employees, 100 subsidiaries and offices worldwide, research and development centers in 10 countries, active in 30 countries over 6 continents.

Apply now!

Do you want to follow this exciting path with us? Then we look forward to receiving your application. Please submit your CV and motivation letter, in Swedish or in English, in an email to ktc.se.jobs@kapsch.net

Mark the application “**Hardware Design/Test Engineer – Connected Vehicles**”

For any questions about this job, feel free to contact:

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