



Mechanical Design Engineer Wiring Harness

Workplace: 418 32, Gothenburg

Apply online!

What to expect:

- Design and develop wiring harnesses forming part of the vehicle's galvanic electrical structure.
- Mechanically route and connect electrical components using wiring bundles, ensuring compliance with electrical, EMC and mechanical requirements.
- Develop virtual harness models and produce corresponding 2D/3D drawings for specification.
- Collaborate with suppliers to ensure manufacturability, quality and correct implementation of harnesses.
- Verify harness functionality and robustness through design reviews, test object builds and integration activities.
- Support continuous improvements in tools, methods and processes within the team.
- Contribute to prototype builds, bench/rig preparations and integration testing activities in an agile setting.

What you bring along:

- Background in **Mechanical Engineering, Electrical Engineering, Mechatronics** or similar.
- Proven competence in mechanical installation design, materials used in electrical distribution systems and understanding of harness complexity.
- Experience developing harnesses supporting specific vehicle functions, from concept to delivery.
- **CATIA V5**, including Electrical Workbench, **Teamcenter**, **KDP** and **TCPLM**, **Planisware**, **Wiring Harness Design workflows and methodologies**
- Ability to collaborate effectively in cross-functional teams and balance design, manufacturing and electrical requirements.
- Strong communication skills and a proactive, solution-oriented mindset.
- Experience working with continuous improvements and integration of design and testing workflows.
- Fluent English (spoken and written).
- Gothenburg location and candidates must hold valid work authorization in Sweden.

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