



Wiring Engineer (3D/2D Routing & Schematics)

Workplace: 418 32, Gothenburg

Apply online!

What to expect:

- Develop and maintain **2D harness drawings** including bill of materials, connector tables, and splice tables.
- Create and update **electrical schematics** using Saber.
- Collaborate with component owners, system engineers, suppliers, and manufacturing to ensure correct harness design.
- Ensure designs meet requirements related to electrical performance, safety, cost, manufacturing, and serviceability.
- Support design reviews, documentation updates, and release activities in PLM systems.
- Drive problem-solving activities related to wiring harness deviations or integration issues.
- Perform **3D routing of wiring harnesses** using CATIA V5 according to package constraints and design guidelines.

What you bring along:

- Bachelor's or Master's degree in **Electrical Engineering, Mechatronics, Automotive Engineering** or similar.
- Proven experience with **wiring harness design** in the automotive sector.
- Strong knowledge in: **CATIA V5** (3D routing & 2D drafting) **Saber** (schematics)
- Understanding of vehicle electrical architecture and wiring design principles.
- Experience working with engineering release systems and documentation.

Preferred Skills

- Previous experience with major automotive OEMs or Tier 1 suppliers.
- Knowledge of manufacturing processes for wiring harnesses.
- Ability to interpret electrical specifications, design rules, and packaging requirements.
- Strong communication and collaboration skills.

About the Role

We are looking for a **Wiring Engineer** with strong experience in **3D/2D routing and electrical schematics** to support development activities within the electrical engineering domain at a major automotive OEM in Gothenburg. The role

involves designing, developing, and maintaining wiring harnesses and ensuring correct integration in the vehicle electrical architecture.

With more than **54 locations throughout Europe**, the **Bertrandt Group** has been providing **engineering and development solutions** for the international **automotive and aerospace industries** since **1974**. More than **12,000 employees** use their **know-how** and **innovative strength** every day to support our customers – **leading manufacturers and OEMs** – with integrated solutions in **management, design, and industrialization**.

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