

Embedded Software Development Engineer (m/f/d)

München, Unterföhring

For our international development team in Munich, we are looking for a **Embedded software development engineer (m/f/d)**

Join us and take part in the development of innovative mechatronic systems for electromobility in the fields of automotive and truck industries.

With a close link to our customers, OEMs, and Tiers1, we develop next-generation electromobility applications, aiming to be part of the "Total Net Zero" emission transition for a better and more sustainable future.

Compact Power Motion (CPM) GmbH, a partner of Sonceboz Group (HQ based in CH, 1200 employees, 60Mpcs manufactured a year. www.sonceboz.com), relies on its agile creative team to develop the first concepts, theoretical studies, and self-made prototypes. Our main competencies are mechatronic development, software, motor control, electric motor, power electronics, and mechanics. Several of our innovations are already successfully on the market and help cut emissions. More are coming soon.

We reinforce our development capabilities in the field of embedded software development, and we are looking for an Engineer with a strong software background.

Study: Electrotechnics, Informatics, or similar with a software background

Mission:

You develop very efficient and modular software components that drive a mechatronic system (e.g. air compressor, steering pump) for the next generation of electrified commercial vehicles or industrial applications. You are working together with a diverse team full of skilled people. Your ideas are highly valued and allow us to develop great prototypes.

Know-How:

- Very good programming experience in C (C++) particularly close to the hardware
- Good knowledge of microcontrollers and DSPs
- Modern development workflows (git, GitLab, CI)
- Hardware and embedded software debugging knowledge (oscilloscope, test bench, debugger)
- Communication protocols (typically CAN, SPI)
- Good German and English communication (spoken and written) required. French could be helpful
- Working in teams, but also in autonomy. Creativity, multidisciplinary, and initiative are an advantage

Beneficial to have:

- Familiarity with automotive cybersecurity (ISO21434) and safety (ISO26262) is a plus
- Experience with AUTOSAR development
- Experience with model-based development
- Advanced understanding of electric motors and control methods
- General understanding of electronic schematics
- Project management knowledge (planning, customer management, R&D management, sourcing)

We offer:

- Skilled colleagues covering the whole area of electric machine design and control
- Interesting and innovative projects in the automotive field
- Strong link with a manufacturing group that targets to bring our innovation into mass production
- Space to express creativity with prototyping capacity and opportunities for advancement within the group
- Modern, light, and spacious offices with free drinks and fruit basket

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- Good loan, with flexible working hours, home office, holidays, and bonus system according to salary scale
- multicultural, harmonious, family team spirit
- Based in Unterföhring (Munich) close to the north of the English Garden
- And for easy integration: Relocation to Munich from abroad and German language lessons are supported