Robotics Hardware Engineer Zürich

embotech *

Embotech is an award-winning software scale-up developing cutting edge autonomous driving technology and solutions for autonomous vehicles, with focus on private ground applications such as trucks at port terminals and passenger cars in factories. We are delivering safe autonomous transportation by leveraging the real-time optimization technology that we have been developing since 2012.

We are looking for a robotics engineer who is passionate about hardware development and integration and getting real systems to work reliably at scale.

You will join the Truck Systems team to play an important role in deploying a rapidly growing fleet of autonomous trucks for private grounds, using Embotech's autonomous driving software and hardware components from external suppliers. You will be the main person in the lead of designing, prototyping mechanical and electrical systems and working together with engineering partners and suppliers.

We offer an exciting job in a fast-growing company with attractive conditions and flexible hours. Embotech develops innovative products in a modern and dynamic environment, and you can expect an international atmosphere, with highly skilled colleagues with a passion for excellence and efficiency. We are looking for highly motivated people to help us solve one of the most complex challenges of today and take our company to the next level.

Responsibilities:

- Design of mechanical and electrical systems for autonomous trucks.
- Managing suppliers for prototype production of components.
- Defining and documenting hardware requirements.
- Assembly and testing of your designs.
- Commissioning autonomous driving kit on new trucks and documenting commissioning process for operations.
- Hardware testing and test documentation.
- Cooperation with software engineers and controls engineers to deliver a well-integrated full autonomous driving stack.
- Travel to customers or own testing areas as required.

Requirements:

- MSc, BSc or UAS (FH) in mechanical or electrical engineering, mechatronics, robotics or similar.
- At least 3 years of relevant practical professional or intensive student project experience.
- Skilled with CAD software, electrical schematic design software and mechanical component production.
- The following would be a plus:
  - Software development experience.
  - Hardware testing experience.
  - Truck driver's license.
- Self-driven team player with hands-on mentality.
- Fluency in spoken and written English.

Starting date: ASAP

We look forward to receiving your application documents (CV, cover letters & reference letters) by email: careers@embotech.com

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