

Systems Engineer

Zürich

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 2013.

We are looking for a hands-on systems engineer who is passionate about iterating to great systems with a fast development team.

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. Your role will involve system design and system test definition.

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

- Contribute to system architecture and safety concept
- Customer requirement elicitation and translation into system requirements.
- Define hardware requirements and manage external suppliers.
- System test definition.
- Opportunity to contribute to the formal system development and verification processes definition.
- Cooperation with product management, 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 in robotics, mechatronics, mechanical or electrical engineering, CS, or similar.
- Experience with real-world robot deployments.
- Experience with formal system documentation according to ISO26262, ISO13849 or IEC61508 using ALM tools.
- Hands-on software development experience.
- Experience with at least 2 of the following:
 - V&V.
 - Supplier management.
 - Mechanical design.
 - ISO 21448 (SOTIF).
- Self-driven team player with hands-on mentality.
- Fluency in spoken and written English.

Preferred starting date for this position: ASAP