

Systems Integration Engineer

Zürich or Munich

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 systems integration engineer who is passionate about getting real systems to work.

You will join the Safety & Systems Engineering (SSE) team to play an important role in deploying series of full-stack autonomous driving systems for private grounds, using elements from Embotech's core autonomous driving tech and elements from external suppliers. Your role will involve development, integration and testing of autonomous driving components and the full-stack autonomous driving system on our testing vehicles.

Responsibilities

- Hardware-software integration for autonomous trucks on private grounds.
- Develop HIL and SIL testing methods and execute system tests.
- Write well-tested and documented integration and diagnostics software.
- Provide hardware requirements and manage external suppliers.
- Log data analysis and on-site problem solving.
- Cooperate 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 in robotics, mechatronics, mechanical or electrical engineering, CS, or similar.
- Experience with real-world deployments.
- Excellent C/C++ and Python skills.
- Experience with at least 3 of the following:
 - Real-world deployments.
 - AD sensor calibration.
 - Supplier management.
 - Robotics algorithms and communication protocols.
 - Mechanical and electrical design.
- Self-driven team player with hands-on mentality.
- Fluency in spoken and written English.

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.

Preferred starting date for this position: ASAP