

Arnold NextG realizes the Safety-by-Wire® technology of tomorrow with pioneers of the drive-by-wire industry - whether on land, in water or in the air. We offer the worldwide unique and multi-redundant central control unit NX NextMotion, which enables a fail-safe and individual implementation. As an independent developer, incubator and system supplier, Arnold NextG takes care of planning and implementation - from vision to road approval.



We are looking for

Control Systems Engineer for Drive-by-Wire Systems (m/f/d)

Your tasks

Control Systems Engineer

- Develop and optimize control systems for mobility applications.
- Model, simulate, and implement control algorithms using MATLAB/Simulink.
- Analyze and validate control strategies while considering specific requirements.
- Conduct tests and commissioning in simulations, on test benches, and in vehicles.
- Prepare technical documentation and reports on development processes and customer projects.

Your profile

Do you have a degree in a scientific or technical field and already have experience in control systems for automotive or industrial environments? Are you familiar with dynamic systems, control strategies, as well as their simulation and implementation, and possess in-depth knowledge of control engineering? Additionally, do you have experience with embedded systems, work confidently in real-time environments, and are comfortable with model-based development?

Do you have a solid understanding of modeling and optimizing control algorithms and are skilled in using MATLAB/Simulink? Are terms like Drive-by-Wire or standards like ISO 26262 familiar to you? Do you understand the safety and reliability requirements in the automotive industry? Knowledge of bus systems such as CAN and Ethernet, as well as tools like Vector and dSpace, would further enhance your profile.

Are you experienced in analyzing and validating control strategies and have ideally also accompanied tests on test benches or vehicles? Do you independently drive your projects forward, place great value on effective teamwork, and have strong communication skills?

Is "out-of-the-box" thinking second nature to you? Are you innovative, curious, and entrepreneurial in your mindset, with the courage to make decisions? Then we should definitely talk!

We offer

The freedom to solve tricky technical problems within the framework of one of the most exciting projects of our time. Together with a team of world-class developers and talented newcomers, you actively help to shape the future of autonomous driving today. State-of-the-art workplaces (Aichelau, Rüsselsheim & Dortmund), short decision-making paths, and high project dynamics ensure a varied yet goal-oriented development environment. You will find a package that includes flexible working hours, contemporary management structures, attractive compensation, your own area of responsibility, and, if desired, a job bicycle.

Your contact

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