Embedded Systems Engineer

ANavS - Advanced Navigation Solutions has three lines of business: precise positioning systems, precise mapping systems and snow monitoring systems. The core of the ANavS positioning systems is a modular and flexibly configurable sensor fusion of GNSS, inertial, odometry, UWB, camera and Lidar measurements. The innovative positioning algorithms were developed and patented by ANavS and include newest RTK/ PPP and AI methods. The main products of ANavS are the Multi-Sensor RTK module, the RTCM base station, and the Integrated Sensor Platform (ISP) with 3 integrated GNSS receivers, an IMU, a wheel odometry interface, 2 cameras, a 3D Lidar, an LTE module for the reception of RTK corrections, and a processor for the sensor fusion. The ANavS products have a large range of applications including the automotive, robotics, automation, maritime, railway, aerospace, agriculture and mining industries.

You will be part of the agile hardware team and develop highly capable next generation sensor hardware. We develop our own PCBs with integrated power supply, battery management, high bandwidth wired and wireless communication, and a multitude of sensors in always evolving novel combinations.

Your job will be to develop circuits and layouts, create and maintain supply chains, test and assemble prototypes.

You will work in a small, flexible and growing team with flat hierarchies and expertise in computer vision, deep learning, software development, sensor fusion and embedded hardware development. You contribute to exciting manifold projects, for example in the automotive industry, and work together with partners such as BMW, Continental, Intel, Schaeffler and KIT.

Your tasks:

- PCB Design
- Spice Simulation
- Prototype integration and evaluation
- EM-compatibility engineering
- CE compliance engineering
- Close cooperation with the hardware, software and sensor fusion team
- Patenting and publishing of developed approaches is encouraged

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	Weißstraße 9, 6112 Wattens	

ANavS - Providing Orientation.

www.anavs.de

Your profile:

- Comprehensive experience with PCB design tools
- Degree in embedded systems (or comparable)
- Experience with Linux and wireless communication systems
- Craftsmanship
- High motivation to contribute to the technical development, ability to work independently and willing to adapt to flexible tasks
- Team player with quick perception, reliability and accuracy
- Good communication skills in English and German

Please send your meaningful application with your certificates to:

application@anavs.de