Join Accurision to drive innovation in the field of robust, high-precision, satellite-based positioning for autonomous driving. We are looking for a highly motivated GNSS acquisition and tracking engineer with technical fundamentals in GNSS positioning systems and signal processing who is passionate about building technology that serves our customers.

GNSS Acquisition and Tracking Engineer (f/m)

At Accurision, you will design, implement and refine the acquisition and tracking engines upon which all our GNSS sensors rely. You will drive innovations in weak signal acquisition, enhance tracking techniques, and collaborate closely with other GNSS team members to optimize and extend our solution. You will help develop the next generations of robust, high accuracy, and high availability positioning solutions.

Tasks
• Familiarisation with GNSS signals (BeiDou, Galileo, GPS)
• Understanding the correlation process between receiver replica signals and the received satellite signals, especially regarding the impact of C/N₀, frequency offset, and pre-detection integration time
• Literature review on weak signal acquisition and tracking techniques, PLL/FLL performance envelopes, Kalman filter-based tracking architectures, multipath and NLOS countermeasures
• Implementation of selected weak signal acquisition and tracking techniques in our sensor platform
• Recording of live satellite signals in urban conditions, processing of these signals with the implemented weak signal acquisition and tracking techniques, and performance assessment

Skills & experience
• 5+ years of industry or equivalent academic research experience in the GNSS domain and/or product development
• Master’s or bachelor’s degree in Computer Science, Electrical or Electronics Engineering, GNSS, or related fields
• Strong software development background, primarily in real-time embedded C
• High proficiency in English, German is a plus
• Project tracking and software collaboration such as Jira

Our offer
• Exciting and challenging tasks in the field of GNSS for autonomous driving
• Opportunity to play a decisive role in the development of our GNSS sensor platform
• Working in a small and international team/young company, flexible working hours

We look forward to receiving your application by e-mail at: katja.blum@accurision.com

Legally compulsory note: The actual salary is above the Austrian IT collective agreement and is based on skills and experience.