## 2x INTERNSHIP POSITIONS FOR STUDENTS

Job Title: Robotic Integration Engineer (Internship/Part-Time) Location: Graz Duration: 6 to 18 months/part-time

Role Overview: We are seeking a motivated and technically skilled intern/part-time engineer to join our team as a Robotic Integration Engineer. In this role, you will be involved in cutting-edge robotics, FPGA technology, and industrial automation projects. You will work closely with our engineering team to design, integrate, and validate innovative robotic solutions.

## Key Responsibilities:

1. Design and develop a robotic system based on ROS2, integrating communication protocols like Ethernet, CAN, and Flexibus.

- Work with FPGA technology to enable mobile connectivity.

- 2. Software and Hardware Integration
- 3. HDL Coding & RISC-V:

- Develop and implement hardware description language (HDL) code for FPGA-based systems.

- Work with the RISC-V architecture to support customized processing requirements.
- 4. Design, Testing, and Validation:
  - Participate in the design and prototyping of new robotic systems.
  - Conduct testing and validation to ensure system reliability and performance.
  - Document results and provide feedback for continuous improvement.

Qualifications: Familiarity with FPGA programming, robotic technology and communication protocols. Strong problem-solving skills and attention to detail.



Your Curiosity= Your Discovery