AIRBUS

Internship within R&T:
Automation of manufacturing cells – fuselage

Org.Unit Siglum: **ZI**
Location: **Germany** (Hamburg)

CONTEXT

Airbus is a global leader in aeronautics, space and related services. In 2017, it generated revenues of € 67 billion and employed a workforce of around 130,000. Airbus offers the most comprehensive range of passenger airliners from 100 to more than 600 seats. Airbus is also a European leader providing tanker, combat, transport and mission aircraft, as well as Europe's number one space enterprise and the world's second largest space business. In helicopters, Airbus provides the most efficient civil and military rotorcraft solutions worldwide.

Our people work with passion and determination to make the world a more connected, safer and smarter place. Taking pride in our work, we draw on each other's expertise and experience to achieve excellence. Our diversity and teamwork culture propel us to accomplish the extraordinary - on the ground, in the sky and in space.

IT within Airbus is a Transnational Organisation mirroring the Industrial landscape. IT is currently undergoing a major **Digital Transformation** programme refocussing on IT Product and Technology Service teams with an End-to-End (E2E) accountability and full responsibility for the value proposition.

WHAT YOU'LL DO

We are looking for a highly motivated student with practical knowledge to handle **robotics Industry 4.0** topics. The intern (M/F) will develop the virtual commissioning concept, through layout building, offline programming and simulation, and process logic controller validation for automated use-cases. Subtasks such as comparison of digital tools, process optimization for robotized manufacturing cells will also be performed.

MAIN TASKS AND ACCOUNTABILIES

For Airbus in Hamburg – ZAL (Center of Applied Aeronautical Research), within an R&T department.

- Robot programming and simulation
- Development of solutions, comparison of different tools
- Robotized manufacturing cell optimization

COMPETENCES

- Enrolled student within Mechatronics, Engineering or similar field of study
- Basics in robotics: kinematics, computer science…
- English: fluent
- German would be a plus
- You are a good team player, have good communication skills, and are able to work independently