Introduction:

SAM|XL is a recently founded collaborative research centre of the Delft University of Technology (DUT) and several Industrial partners in the province of South-Holland. As a 100% subsidiary of DUT, SAM|XL aims at enabling Aerospace manufacturing companies to make optimal use of smart advanced manufacturing.

World-class research from both the Faculty of Aerospace Engineering and the Cognitive Robotics department of the Faculty of Mechanical Engineering is combined with challenges from industry. In a dedicated factory space of 2000 m^2 SAM|XL is building a variety of large-scale, near production ready, automated manufacturing cells to conduct its development projects, in close collaboration with engineers from the partnering companies. More information about SAM|XL can be found here.

SAM|XL is looking to recruit an experienced engineer to lead the development of software components in the centre.

The Vacancy:

In this role you will be developing, implementing and testing software in both C++ and Python in a Linux environment. To ensure maximum interoperability, ROS is used as a middleware. You will be working on all aspects of smart advanced manufacturing, so activities can vary from developing a low level sensor driver to developing novel path planning approaches for a specific manufacturing process.

Day-to-day activities include: evaluating existing ROS components for our purpose, testing on actual industrial hardware, developing your own software components, guiding colleagues and students in their software projects, collaborate with others within the centre, the university and the ecosystem as a whole.

As our software engineer you will be able to obtain a leading role in the centre, and will be part of a multi-disciplinary team that is trying to solve the manufacturing challenges of the future. You will be working on the next steps in aircraft manufacturing systems.

You will bring:

- MSc or Ph.D. in Computer Science, ECE, Robotics or a related field.
- Outstanding programming skills in both C++ and Python.
- Experience with the development of software for industrial robots.
- Experience with ROS.
- Excellent communication skills.
- Ability to collaborate with both Academia and Industry in the context of EU-funded research programs.
- Demonstrated ability to turn state-of-the-art research into usable applications.

What we offer:

- An innovative working environment, start-up look-and-feel.
- A motivated team that has big plans for the future.
- Access to large-scale industrial automation equipment.
- Ability to work together with many of the leading entities in the European Aerospace Industry.
- Attractive remuneration (incl. holiday allowance and end-of-year bonus).
- Employment under Collective Labour Agreement of the Dutch universities:
  - 38 hours working week (with the ability to work/more hours in return for holiday hours)
  - Very good work-life balance (232 holiday hours based on full-time)
  - Plenty of personal development and vocational training opportunities

Contact:

If you are interested in this vacancy, you can respond by directing your message at:

Rik Tonnaer (info@samxl.com)

You can also take a look at our website: www.samxl.com (under heavy development, open for feedback!)