

Develop an electrochemical textile recycling process at an innovative start-up!

Internship – Process Development & Plant Operations (m/f/d)

re.solution is a deep-tech start-up from Aachen/Alsdorf that chemically recycles polyester-containing textiles – with a significantly lower water, chemical, and CO₂ footprint than comparable processes. Our technology combines the hydrolysis process with an innovative electrochemical monomer recovery step to produce high-purity polyester monomers from textile waste. To further develop our semi-industrial pilot plant, we are looking for a dedicated intern in process engineering or a related engineering field who wants to dive deep into process development and work hands-on at our recycling plant.

📍 Alsdorf ⌚ 39 hrs/week 📅 Starting immediately

Your Tasks

You will work closely with our process and plant team and take on responsibility for tasks in the following areas, among others:

Process development: Planning, conducting, and evaluating experiments for process optimization

Plant operations & hands-on work: Active involvement in operating process engineering plant components, as well as quality control and deriving optimization measures

Project work & documentation: Research on processes, plant components, and materials, as well as maintaining process and experiment documentation

What We Offer

- Insights into process development and plant operations at a growing deep-tech start-up
- Direct collaboration with an experienced process engineering and plant team, plus short decision-making paths
- Independent responsibilities with real impact on the build-out of our pilot plant

What You Bring

- Enrolled student (at least 2 semesters completed) in process engineering, chemical or environmental engineering, mechanical engineering, chemistry, or a comparable field of study
- Basic knowledge of chemistry and process engineering and an interest in hands-on lab work, combined with a hands-on mentality and enjoyment of practical work
- Good written and spoken German and English skills

Apply Now

Send us your application (CV, transcript of records, and a brief cover letter, max. 1 page) to:
hr@resolution.technology

Subject: Internship – Process Development & Plant Operations

We look forward to getting to know you!