# Automation Specialist (m/w) for Nature-based Solutions

We are searching for a motivated and experienced **Automation Specialist** to join our innovative technologies development team!

**Background**

alchemia-nova GmbH, a Viennese-based Institute for research and innovation (www.alchemia-nova.net), has been focused on innovative applied plant chemistry since 2006, with the aim of closing loops and facilitating a circular economy in combination with nature-based technologies and solutions. Our nature-inspired innovations typically incorporate plants and natural processes to treat polluted air and wastewater, remediate soil, capture metals and recover nutrients.

**Vacancy**

An opportunity has now become available within our technical development team for a hands-on and experienced **Automation Specialist** able to support the automation, development and monitoring of project prototypes, technologies and products. The salary consideration starts at **EUR 2.695,00 per month** (Gross for a 38.5 hour week, 14 x per year) and is negotiable relative to the applicant's qualifications and professional experience. We are searching for someone available 25-38.5 hrs / week.

**Duties and responsibilities**

The applicant will be responsible for carrying out following tasks autonomously:

- Drawing of P&ID, electrical and bus diagrams
- Programming and wiring of PLC´s and dataloggers according to functional requirements
- Writing of functional description
- Selection and procurement of sensors, actuators, pumps, and network equipment
- Set-up of network devices for remote access
- Comissioning and follow up of the installation
- Electrical installations with up to 400V three phase power supply
- Coordination with other companies involved in the task
- CE-label applications (not essential)

**Job Qualifications**

- A least 2 years experience in automation
- Knowledge and experience with IEC 61131-3 Standard programming languages (mainly Ladder Diagram and Function Block Diagram)
- Certification and legally recognised training for work on electrical installations
- Related work experience or an equivalent combination of education and experience
- Knowledge and experience in industrial protocols (Modbus RTU, Modbus TCP, M-Bus, etc. )
- Knowledge in programming languages Python, C++, JSON

**Specific Requirements**

- Valid driver's license, flexibility and the readiness to travel EU-wide for installations
- Long-term perspective & willingness to learn
- Proficient verbal and written English and German
- Critical thinking, adaptability and creativity
- Efficient, reliable and independent work approach
- Contributing to the team spirit through effective communication and projecting a positive work ethic
- Openness to innovations and a strong commitment to sustainable practices and circular economy principles
- European citizenship or valid work permit for Austria

**How to apply**

We look forward to receiving your application documents in single PDF file (max. 3MB) by e-mail to Francesco Menconi at **hr@alchemia-nova.net**:

(1) A short cover letter describing your motivation for applying for this position
(2) A current CV including with actual photograph
(3) A short description explaining why you believe you possess the skills and experiences listed in the "Qualifications & Requirements" section
(4) Any additional material you may wish to share

**Applications close:** 31st of August 2022
**Employment start date:** ASAP