

## Chemical Lab Operator Job description

**Department:** CAE Engineering

**Starting date:** 2023

**Reporting to:** Engineering manager

**Role:** Chemistry lab operator

**Location:** Elsyca NV, Wijgmaal, Belgium

**Employment:** Full time or part-time (to be agreed)

### Key Responsibilities

The successful candidate will be part of the CAE engineering team and will focus on supporting Elsyca computer-aided engineering projects.

The job tasks will include:

- Electrolyte and material characterization by electrochemical techniques (liquid or soil samples)
- Surface analysis by various techniques (roughness, composition and thickness of materials/coatings)
- Post-process laboratorial experiment results and interpretation of results
- Construct, build or assemble prototype equipment (lab cells or industrial tooling designed by Elsyca)
- Maintain and ensure the lab is always in good order
- Provide lab training and support to customers
- Work with Elsyca's own software and/or 3rd party software tools to support design and engineering analyses
- Communicate and collaborate as a team member in the engineering team
- Interact with other Elsyca departments/teams to provide engineering support to their activities

### About you

#### Minimum requirements

- Bachelor's degree in a chemistry related domain
- Strong lab skills and knowledge of standard lab operations and equipment (analytical balance, pH meters, conductivity meters, etc.)
- Ability to safely manipulate potentially dangerous substances, as for example, strong acids and bases (experience in working with fume hoods)
- Good laboratorial practices (lab organization, housekeeping, stock management, equipment maintenance, etc.)



- Excellent practical/mechanical skills (construct experimental setups, assemble prototype cells or prototype tooling equipment)
- Skilled in Microsoft Office® products, particularly Microsoft Excel®
- Have excellent problem-solving skills
- Be fluent in English (spoken and written)
- Be able to work independently and as part of a team
- Be able to work with tight deadlines
- Demonstrate good attention to detail
- Be willing to travel occasionally

#### Our preferred qualifications

- Expertise with electrochemical laboratorial techniques (rotating disc electrode, linear sweep voltammetry, impedance, galvanostatic, etc.)

#### What we offer

- Full-time or part-time permanent contract;
- A challenging and quality driven job content;
- Opportunity to grow in responsibility towards all Elsyca lab activities.
- An dynamic, and fast-growing environment where you do have the opportunity to develop yourself in an environment driven by delivering excellence in our expertise and with international activities ambitions;
- Attractive salary, in line with profile industry, your experience and contribution.

#### About Elsyca

Founded in 1997, Elsyca is the culmination of research efforts in numerical modeling of electrochemical processes. Its name is derived from 'electrochemical system calculations'.

Today, Elsyca is active in the markets of corrosion design & engineering, cathodic protection & AC mitigation, surface finishing, and electrochemical manufacturing within a variety of industries – such as automotive, aerospace, electronics, medical and energy. The combination of the practical engineering knowledge, the in-house developed family of engineering simulation tools, and the continuous focus on R&D and innovation has established Elsyca as a trustworthy and appreciated partner for many clients across the globe.

As a lab operator, you will support Elsyca in helping to protect the environment from pipeline spills due to corrosion, to minimize the use of natural resources by process optimization and protecting of offshore wind farms.

#### Contact

If you have any questions or if you would like to apply, please don't hesitate, and contact Paulo Vieira, by email to the address [paulo.vieria@elsyca.com](mailto:paulo.vieria@elsyca.com) .

