

## Cathodic Protection CAE Project Manager Job description

**Department:** CAE Engineering

**Starting date:** 2023

**Reporting to:** Engineering manager

**Role:** Computed Aided Engineering Project Manager

**Location:** Denver (CO), U.S.A. (Remote)

**Employment:** Full time

### Key Responsibilities

The successful candidate will be part of the CAE engineering team and will focus on supporting Elsyca computer-aided engineering projects in the field of cathodic protection. After an initial training stage where the candidate should master the use of Elsyca's simulation tools. The job tasks will include:

- Supervise (or execute) the construction of CAE-based models for cathodic protection analyses from customer input data
- Supervise (or execute) the 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 customers in the context of project data gathering, technical discussions and reporting on project deliverables
- Interact with customers on project management topics
- Interact with other Elsyca departments/teams to provide engineering support to their activities
- Coordinate and guide a team of project engineers to execute and deliver the project with high levels of excellence

### About you

#### Minimum requirements

- Master's degree in Electrical Engineering, Mechanical Engineering, Materials Science or any related engineering disciplines
- Solid cathodic protection and AC mitigation experience
- Expertise with cathodic protection, AC mitigation and corrosion control system designs and analysis
- Be fluent in English (spoken and written)



- Excellent verbal and written communication skills

#### Our preferred qualifications

- NACE certification or other internationally recognized certifications in the field of cathodic protection
- Understanding of computational aided engineering principles and techniques (FEM and BEM modeling, meshing principles, solvers, postprocessing)

#### Your profile

- Have a strong affinity to work with computer software (in general)
- Be a fast learner and have excellent problem-solving skills
- Be able to work independently and as part of a team
- Be able to supervise the project team, enabling team members to work at the best of their abilities
- Be able to work with tight deadlines
- Demonstrate good attention to detail

#### What we offer

- Full-time contract;
- A challenging and varied job content;
- A 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.

Elsyca benefits from a strong customer base within the energy sector. The need for cost-effective solutions to protect millions-dollars assets against corrosion creates a fast-growing market. Within this context, Elsyca's reliable and innovative solutions answer market expectations to reduce the cost of ownership and gain competitiveness.

#### Contact



Friday, March 31, 2023

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.vieira@elsyca.com](mailto:paulo.vieira@elsyca.com).

