

## Computed Aided Engineering Project Engineer Job description

**Department:** CAE Engineering

**Starting date:** 2024

**Reporting to:** Regional team manager

**Role:** Computed Aided Engineering Project Engineer

**Location:** Elsyca SRL, Cluj-Napoca, Romania

**Employment:** Full time

### Key Responsibilities

The successful candidate will be part of the CAE engineering team.

The job tasks will include:

- Creating 3D computational models for CAE simulations from customer input data
- Executing computer simulation with Elsyca's own software and/or 3rd party software tools
- Communicating and collaborating as team member in the engineering team
- Interacting with other Elsyca departments/teams to provide engineering support to their activities

### About you

- Be a BS, MS student/graduate in Electrical Engineering, Chemical Engineering, Physics or any related engineering, mathematics, or science disciplines
- Have a strong affinity to work with computer software (in general)
- Have excellent problem-solving skills
- Be fluent in English (spoken and written)
- Have good communications skills
- Be a fast learner
- 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

Experience you should brag about:

- Experience with CAD systems, such as SolidWorks©



- Experience in FEM modelling (understanding of computational principles: boundary conditions, meshing, solvers, postprocessing)
- Understanding of electrical systems
- Electrochemical knowledge of electrodeposition, cathodic protection and corrosion
- Knowledge of additional business-relevant languages

## What we offer

- Full-time permanent contract;
- A challenging and varied job content;
- 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. For more information about Elsyca, visit [www.elsyca.com](http://www.elsyca.com).

## Contact

If you have any questions or if you would like to apply, please don't hesitate, and contact Dr. Marius Purcar, by email to the address [marius.purcar@elsyca.com](mailto:marius.purcar@elsyca.com).

