



PERMANENT JOB OFFER:

***Photovoltaic Design Manager***

ELYS is a leader in the engineering and construction of renewable power plants and their connections.

For the past 15 years, we have been acting as project manager, assistant project manager and engineering firm for developers of renewable energy projects and green electricity producers, who have placed their trust in our expertise, our ability to listen to their needs and our involvement on the ground to guarantee the quality of our work.

ELYS has been growing smoothly since its creation, and cultivates a team spirit based on cohesion, solidarity and self-fulfilment. New recruits are encouraged to develop their skills, and beginners are mentored. We work to ensure that everyone has a meaningful role to play.

If the development of a clean and peaceful future in a young company (average age under 32) is important to you, if you enjoy working in a company with strong human values, ELYS offers you the opportunity to enrich its teams and its actions. We invite you to apply by e-mail [rh@elys.eu](mailto:rh@elys.eu) with your CV, a covering letter and any recommendations.

## **Job description**

Location: Lyon (near Lyon Part Dieu station)

Gross annual salary: to be defined according to experience

### Tasks :

Reporting to the company's Design Office Manager, the Photovoltaic Design Manager will be responsible for:

- Photovoltaic feasibility studies on buildings and on the ground
- Studies and connection requests to network operators
- Engineering works
- Analysis of the technical parts of tenders or contracts

### **Electrical studies**

- Research and regulatory watch
  - French and international standards
  - European regulations
- Photovoltaic feasibility study
  - Regulatory watch on feed-in tariffs and self-consumption
  - Analysis of existing plans, information gathering
  - Layout of plots or roofs (autocad)
  - Establishing a consumption profile
  - Cost study of the proposed power plant
  - Deliverability study for the proposed power plant (PVsyst)
  - Project profitability study
  - Drafting a report and its appendices
- Sizing photovoltaic power plants
  - Determining the electrical architecture
  - Cable design
  - Optimising cable lengths
  - Technical and economic optimisation

### **Studies and connection requests**

- Connection requests to MV and HV network operators
  - Analysis of input data (building license, installed capacity, manufacturer specifications, deliverability study)
  - Drawing up single-line diagrams
  - Drawings of location and layout plans on Autocad
  - Follow-up

## Engineering for the works

- Study of a photovoltaic system
  - Choice of support structure
  - Distribution of modules - inverters
  - Cable routing
  - Positioning the inverters
  - Cable design
  - Protection design
  - Transformer substation DESIGN
  
- Company consultation documents
  - a. Specifications
  - b. Price list
  - c. Appendices
  
- Drawing up budget forecasts
  - a. Works (CAPEX)
  - b. Operations (OPEX)
  
- Quality process
  - Drawing up Quality Control Plans
  - Checking execution documents
  - Preparing and monitoring visas

### **Candidate profile:**

- Experience: 3 to 5 years
- Photovoltaic engineer
- Ability to summarise
- Enjoys responsibility and autonomy
- Good organisational skills
- French level C2
- Good command of office automation tools