

Based in the area of Charleroi, our client is an industrial company active in **energy and automation** technologies.

Technological leader and pioneer in its field, our client develops high-quality **energy solutions to accelerate the energy transition** towards a sustainable future.

To ensure their strong growth, we are looking for a R&D Mechanical Design Engineer - Energy (M/F).

# R&D Mechanical Design Engineer – Energy (M/F)

## RESPONSIBILITIES

Your main responsibilities are:

- Develop the next generation capacitors focusing on the mechanical design.
- Lead R&D project and closely collaborate with colleagues, customers, suppliers and other external partners.
- Lead and participate in FMEA (Failure Mode and Effects Analysis).
- Design experimental set-ups, conduct tests and analyze test results, possibly including electromechanical modelling.
- Work with a global R&D team ensuring a knowledge sharing, timely and high-quality deliverables.
- Close collaboration with Power Grids Research organization and with academia.
- Create ideas and proposals for new R&D projects.
- Document results in the form of technical reports, presentations, IP etc.

## PROFILE

- PhD or MSc combined with a background in mechanical design of Film Capacitors or High Voltage products.
- Ideally 5 years working experience in the field of film capacitors, film metallization (product or process).
- Solid understanding of DFM (Design for Manufacturing), DFA (Design for Assembly) and DFS (Design for Serviceability) principles.
- Experience conducting FMEA (Failure Mode and Effects Analysis).

- Minimum 5 years 3D CAD modelling experience (SolidWorks or Creo).
- Sound analytical skills and experience with planning, conducting and analysis of experiments.
- Ability to also work in other technical areas, as for example: materials, insulation systems, thermal management, multiphysics integration.
- Good communication skills (oral and written) and team worker.
- Fluent in English, both written and spoken.
- Experience in, or ability to develop, project management and technical leadership skills.

## OFFER

- The opportunity to join a company with a worldwide reputation in its sector.
- A full-time job with a permanent contract and a competitive compensation package salary in line with your experience.
- A pleasant working environment and the opportunity to join a dynamic team on a human scale.

## INTERESTED ?

Please send your CV together with an adapted cover letter to [recruitment@pahrtners.be](mailto:recruitment@pahrtners.be).

YOUR APPLICATION AND  
RELATED INFORMATION WILL REMAIN  
STRICTLY CONFIDENTIAL.