

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:

- Plan and execute mechanical designs using 3D CAD tools such as CREO or SolidWorks.
- Apply Design for Excellence methodologies: DFM, DFA, and FMEA.
- Perform virtual simulations and analyses to test and optimize mechanical designs.
- Oversee the development and manufacturing of physical prototypes, including test planning, execution, and iterative design improvements.
- Prepare comprehensive documentation such as design reports, technical specifications, and analysis summaries in line with internal and external standards.
- Provide technical support to manufacturing, quality, and supply chain teams to ensure compliance with all engineering requirements.

PROFILE

- Master's degree in mechanical engineering.
- Around 3- 5 years of experience in the design and development of electromechanical systems.
- Strong proficiency with 3D CAD modeling tools (SolidWorks or Creo).
- Proven experience in FMEA and in applying DFM/DFA/DFS principles.
- Hands-on experience in thermal and structural analysis at both component and system levels.
- Familiarity with the design of UL/IEC-compliant enclosures.

- Ability to define and document system architecture and technical requirements.
- Strong written and verbal communication skills.
- Full fluency in English (written and spoken).

OFFER

- The opportunity to join a company with a worldwide reputation in its sector.
- Involvement in cutting-edge R&D projects in a collaborative, innovation-driven environment.
- A full-time job with a permanent contract and a competitive compensation package salary in line with your experience.
- A global, inclusive workplace focused on continuous technical growth.

INTERESTED ?

Please send your CV together with an adapted cover letter via [URL](#) or to recruitment@pahrtners.be.

YOUR APPLICATION AND
RELATED INFORMATION WILL REMAIN
STRICTLY CONFIDENTIAL.