https://www.artemys.be/job/electrical-engineer-battery-storage-projects/

Electrical Engineer – Battery Storage Projects

Hiring organization
Artemys

Employment Type
Full-time

Duration of employment
Unspecified

Industry
Renewable energy

Job Location
Antwerp Region

Date posted
26 November 2024

Valid through
06.06.2025

Description

On behalf of our client **HybriX Energy** – a local and independent developer of grid-scale and industrial battery energy storage (BESS) projects, fully committed to the energy transition – we are looking for an **Electrical Engineer – Battery Storage Projects** to lead the electrical engineering and battery-specific aspects of large-scale battery storage projects. The role will focus on designing, implementing, and optimizing electrical systems to ensure the successful delivery of high-performance battery storage solutions.

Location: **Antwerp region, with flexible home working option**

Responsibilities

Our client **HybriX Energy** is a local and independent developer of grid-scale battery energy storage (BESS) projects, actively engaged in the development, construction, and operations of large-scale battery projects, and strongly committed to supporting the transition to a sustainable energy future.

To continue its ambitious expansion, **HybriX Energy** is looking for a skilled and motivated **Electrical Engineer – Battery Storage Projects** to join their enthusiastic and dynamic team, passionate about energy storage and dedicated to making a positive impact on the environment.

As an **Electrical Engineer – Battery Storage Projects**, you will have ultimate responsibility for the design, implementation, and optimization of electrical systems in large-scale battery projects, ensuring they meet all technical, safety, and performance requirements. You will ensure that battery assets and their grid connections are efficiently designed, procured, constructed, and installed. Additionally, you will oversee the technical aspects of the projects, providing expertise and guidance throughout all phases of grid-scale battery storage development.

As an Electrical Engineer – Battery Storage Projects, you will have the following **key responsibilities**:

Engineering:

• Perform comprehensive electrical engineering analyses: oversee simulations, validate electrical designs, and test the performance of electrical systems to ensure reliability and efficiency
• Collaborate with multidisciplinary teams: work closely with the Project Manager, civil engineers, and contractors to achieve seamless integration of electrical systems into overall project designs
• Resolve technical challenges: identify, troubleshoot, and solve complex issues related to electrical systems during the design, installation, and operation phases
• Prepare and maintain technical documentation: develop detailed design specifications, engineering reports, and operational manuals to support project lifecycle requirements
• Manage key interfaces: act as the primary point of contact for suppliers, and

coordinate effectively with Elia to ensure successful grid integration and compliance
• Lead SCADA integration efforts: oversee the design and implementation of SCADA systems to enable effective monitoring and control of battery assets
• Ensure compliance: maintain strict adherence to electrical safety standards, regulations, and industry best practices at every project stage

Execution:

• Hands-on site involvement: regularly visit project sites to oversee and monitor all electrical and battery-related aspects of the construction process, ensuring quality and compliance with project requirements
• Active participation in installation and commissioning: play a key role in the installation, testing, and commissioning of electrical equipment, including Factory Acceptance Testing (FAT) and Site Acceptance Testing (SAT), to verify performance and functionality
• Post-commissioning operations: support the operation and performance monitoring of battery systems after installation and commissioning, ensuring their reliability and efficiency in real-world conditions

In addition, you will take ownership of critical responsibilities throughout the project lifecycle, including:

• Proactive project oversight: monitor and manage key project elements such as budget, quality, timelines, and risk mitigation to ensure smooth execution and delivery
• Technical compliance: guarantee adherence to industry standards, grid requirements, and safety regulations, ensuring all technical solutions meet or exceed project specifications
• Staying ahead of technological advancements: continuously research and integrate the latest developments in electrical engineering and energy storage solutions to enhance project performance
• Stakeholder engagement and communication: maintain clear, proactive communication with all involved stakeholders, including engineering firms, BESS suppliers, owner engineers, EPC contractors, installers, battery manufacturers, and maintenance teams, ensuring alignment and collaboration throughout each project phase

Qualifications

• A relevant degree in Electrical Engineering
• Proven experience in designing and working with power generation projects, with a strong preference for expertise in HV and MV systems
• In-depth understanding of electrical engineering principles and practices
• Comprehensive knowledge of electrical safety standards and regulations is mandatory
• Familiarity with grid-scale battery energy storage systems is a significant advantage
• Proficiency in electrical design software and simulation tools
• Strong analytical mindset with attention to detail and a solution-oriented approach
• Hands-on, boots-on-the-ground working style to oversee practical implementation
• Excellent communication skills, with the ability to engage proactively and effectively with suppliers, team members, and stakeholders
• Team player with the ability to work independently and handle multiple projects in a fast-paced environment
• Open, flexible, and committed mindset, suitable for a start-up environment
• Ability to anticipate and address new and emerging risks
• Eagerness to explore and learn new solutions in the energy transition
• Capacity to develop and implement new technical procedures and standards

• You are fluent in Dutch and English
• You live in Belgium

Job Benefits

• A full-time employment contract
• A key position in a dynamic and innovative start-up company with strong growth ambitions in a rapidly growing market
• An opportunity to make a meaningful impact on highly challenging projects
• Collaborative and hybrid work environment with short communication lines
• Professional development and growth opportunities
• An attractive remuneration and benefits package (fixed salary, company car, bonus system…)