

Job Specification

Electrical Engineer – JTM Energy

Location: Rathnew, Co. Wicklow, Ireland
Company: JTM Energy (Battery Energy Storage Manufacturer)
Position: Electrical Engineer
Reports to: MD
Job Type: Full-Time

About JTM Energy

JTM Energy is Ireland's leading indigenous manufacturer of advanced battery energy storage systems, committed to accelerating the transition to renewable energy by providing innovative and reliable energy storage solutions. Our products are the preferred choice for customers in a range of applications, both on and off-grid.

Role Overview

We are seeking a skilled and motivated **Electrical Engineer** to join our team. The successful candidate will play a key role in the **design, testing, and implementation** of electrical systems for our **battery energy storage solutions**. This position requires an understanding of **power systems, energy storage technologies, battery components, and electrical engineering principles**.

Key Responsibilities

- **System Design & Engineering**
 - Design and develop electrical systems for **Battery Energy Storage Systems (BESS)**, including **inverters, power distribution**.
 - Create **single-line diagrams, wiring schematics, test protocols**.
 - Perform **power system analyses** for potential customers.
- **Testing & Integration**
 - Support **factory acceptance testing (FAT)** and **installation** of BESS projects.
 - Ensure compliance with **grid code requirements, safety regulations, and industry standards** (e.g., IEC, IEEE).
 - Troubleshoot electrical and control system issues during **assembly, installation and commissioning**.
- **Project Execution & Collaboration**
 - Develop and implement **standard operating procedures** for assembly and testing of product.
 - Coordinate with **utilities, grid operators, and clients** for interconnection requirements where required.
 - Provide **technical support** during project execution, installation, and maintenance.

- **Compliance & Safety**

- Ensure all designs comply with **Irish and EU electrical regulations**.
- Conduct **risk assessments and safety evaluations** for electrical components and installations.
- Stay up to date with **emerging energy storage technologies and industry best practices**.

Key Requirements

- **Degree in Electrical Engineering** or a related field.
- **3+ years of experience** in power systems, electrical design, or BESS-related engineering.
- Proficiency in **electrical design software**
- Understanding of **grid connection requirements** in Ireland and EU energy regulations.
- Knowledge of **various battery technologies (cell types, battery management systems)**.
- Ability to perform **technical analysis and power studies**
- Strong problem-solving skills and **hands-on experience** with electrical troubleshooting.
- Excellent communication and teamwork skills.

Desirable:

- Experience with **renewable energy systems (solar, wind) and microgrids**.
- Professional certifications (e.g., Chartered Engineer, Certified Energy Storage Professional).
- Familiarity with **energy markets, demand response, and grid services**.

Benefits

- Competitive salary with **performance-based bonuses**.
- Exposure to **innovative projects** shaping the future of energy in Ireland.