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## **JOB DESCRIPTION**

<b>POSITION TITLE:</b>	Technical Solutions Engineer
<b>BUSINESS UNIT:</b>	UK
<b>LOCATION:</b>	West London
<b>REPORTS TO:</b>	Managing Director, UK

### **OVERVIEW:**

Leading global operator specialised in the complete management of solar and wind assets for the generation of electricity is looking for a Technical Solutions Engineer for its UK Business Unit.

### **RESPONSIBILITIES:**

As part of the UK Business Unit this position will be accountable for:

- Designing, engineering and optimising utility scale energy storage systems (both standalone systems and systems coupled with renewables);
- Sizing the Power Converter System (PCS) & battery system;
- Providing technical expertise on battery/ BMS/PCS/EMS/BoS;
- Preparing electrical equipment specifications, data sheets, and bid evaluations for storage systems, inverters, switchgears, transformers, and other equipment as required;
- Providing guidance on design concepts around short circuit protection, conductor sizing, thermal systems, safety systems etc.
- Participating in site and factory acceptance tests;
- Preliminary system design, sizing, arrangement, and electrical modelling;
- Projects viability analysis;
- Suppliers negotiation;
- Hazard mitigation analysis;
- Liaise with project stakeholders to ensure designs meet expectations;
- Perform various calculations and analysis to ensure project efficiency;
- Grid connection analysis and preparation of technical documentation.

### **QUALIFICATION AND EXPERTISE:**

- Bachelor's degree Electrical Engineering.
- Master's degree in Renewables (highly valued).
- 4 years of experience designing and modelling electric systems (HV & MV).
- Experience within renewables and/or energy efficiency projects.
- Experience in energy storage, microgrid or diesel generators.
- Advanced level of English, both spoken and written.



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- Advance user of: Homer Energy, PVSyst, Helioscope, PSS, DigSilent, Matlab, or similar software.

**SOFT SKILLS:**

- Analytical
- Problem-solving
- Proactive
- Team spirit
- Good communication skills