

Position: Electrical Project Engineer

Location: London - Hackney / Crawley

THE COMPANY

Founded in 2014 in London, Entropea Labs is an innovative sustainable energy and technology Company focused on the development and optimisation of high efficiency and scalable heat to power systems. Entropea Labs technology can convert unused and wasted heat into renewable electricity from a number of heat sources including: Solar heat, biomass, industrial waste heat and Combustion Engines. Entropea Labs aims to be a leader in the conversion of waste heat to electrical energy for various commercial applications.

For more information visit: www.entropea.com

THE OPPORTUNITY

Entropea Labs is seeking an experienced and highly motivated Electrical Engineer to assist the Company deliver various projects and support market deployment.

Duties & Responsibilities

- Execute and improve designs under active development
- Produce electrical designs for new products
- Selection of switchgear, interfacing with the grid
- Produce bills of materials
- Liaise with suppliers; Execute purchasing and coordinate delivery
- Coordinate mechanical assembly
- Perform wiring and system checks
- Program control systems on PLCs and National Instruments cDAQ/cRIO systems
- Plan system tests, help the research team collect and post process data
- Take part in project meetings with academic and industrial partners
- Produce technical documentation and progress reports
- Take part in the commissioning of heat to power systems
- Visit clients' sites, perform feasibility studies
- Assist with the assembly and testing of heat to power systems

SKILLS AND EXPERIENCE

Essential:

- 2+ years of experience (electrical design/project engineering)
- Experience in electromechanical product development
- Experience with high speed induction and/or PM generators
- Experience with programming of industrial drives
- PLC programming skills
- Hands-on experience with sensor wiring and control cabinet assembly

- Familiarity with control system concepts (PID, closed loop etc.)
- Knowledge on G59 engineering recommendation
- LabVIEW and MATLAB
- Project management skills
- Able to carry out jobs independently and identify potentially more effective methods.
- Problem solving skills
- Excellent oral and written communication skills

Desirable:

- 2D Electrical CAD skills (Solidworks Electrical/ePlan/AutoCAD Electrical)
- 3D Mechanical CAD skills
- Experience with assembly of complex mechanical and hydraulic systems
- Familiarity with thermodynamics/fluid mechanics
- Experience with different grid codes and switchgear
- Experience with motor filters selection

Reporting to:

Managing Director, Engineering Manager

Employment status

The successful candidate will become a full-time employee of Entropea

Only candidates with right to work in the UK will be considered. Sponsorship is not offered.

Preferred Start Date

October 1st 2018