

# Electrical Engineer

## Are you meeting your potential?

Company Name **Premium Power**

Company Location County Dublin, Ireland

At Premium Power we challenge and develop our engineers to meet their true capability.

We are currently looking for Power Systems Engineers that wish to expand their engineering knowledge and are keen to undertake new challenges, to work at our Dublin offices.

### Details of the Role

The ideal candidate for this position would be experienced in their field and have practical experience of transmission, distribution, and industrial or generation projects.

It is critical that the candidate has an excellent client focus and is able to interpret client requirements and manage and deliver sometimes difficult or complex projects to their satisfaction.

Ideally the candidate will have experience of power systems modelling. It is not critical to have experience in any given software but a good understanding of steady state studies is required and some experience of dynamic studies is a plus.

### Typical projects include:

- Strategic power system analysis: redundancy, short circuit, power flow, protection coordination
- Electrical safety analysis: arc flash and electrical risk assessments
- Grid connection and embedded generation connections analysis: static & dynamic transient stability, harmonics, flicker, transformer inrush
- Power quality evaluation: earthing, harmonics, sag ride-through
- Electrical systems reliability assessments
- Software based analysis solutions
- Supporting wind project and installation teams
- Emerging technology reviews
- Failure investigations and advice

It is a feature of much of our work that, although the core content is highly technical in nature, the results often have to be presented to various stakeholders in a way that is readily understood. The candidate should be able to communicate complex issues in a clear and concise manner whilst still being capable of technical discussions at a high level.

### What we are looking for

We are looking for individuals who have a project or practical background. We are flexible on the background experience of the candidate, but we are interested in candidates with professional experience of working with large and/or critical electrical power systems (power stations, data centres, pharmaceutical or other large industrial plants) or experience of designing and specifying electrical equipment (generators, switchgear and protection equipment, harmonic filters, drives, inverters, transformers, earthing systems).

In particular, we are looking for the following:

- Well-rounded individuals with the ability to work as part of a team;
- Network modelling experience, ie (SKM, ETAP, DIgSilent, ERACS, Amtech, etc.)
- Excellent verbal and written communication skills.

- Strong analytical skills
  - Attention to detail
  - Work well under pressure and able to take decisions based on facts
  - Driven by results and achieve success by following and improving processes
  - Ability to balance your work between short term / urgent and longer term / not urgent
  - Ability to work with multiple targets and stakeholders
  - Practical on-site experience
  - Experience of design and specification of electrical equipment and systems
  - Experience of commissioning and project management
  - A working knowledge and/or good awareness of IEC standards, Engineering Recommendations and other international standards such as IEEE/ANSI.
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- Must hold a valid visa and work permit to live and work in Ireland
  - Full driver's license

### **What we can offer**

- Premium Power offers the opportunity to work within an exciting and growing sector on a diverse range of technical, strategic and regulatory consultancy projects for various industries: Data Centres, Pharma, Medical, Semi Conductor, Food & Beverage, Heavy Industry, etc.
- Premium Power employees work on interesting projects in a relaxed and friendly environment, whilst earning market leading salaries.
- Flexible working hours
- High commitment by management to training and career development.
- Discretionary annual performance-based bonus
- Company contributory pension scheme