

SENIOR ELECTRICAL POWER ENGINEER

Premium Power is a leading provider of electrical engineering solutions for mission critical systems in the utility and large industrial sectors. The company has a 10 year track record of providing such solutions for leading blue chip customers in Ireland and the UK.

Our company wishes to recruit an experienced electrical power engineer with a strong technical and problem solving bias.

The applicant should have a primary and masters degree in electrical power engineering and have a minimum of 5 years post graduate experience in the power engineering field.

- She/he should have an extensive knowledge of electrical engineering systems and equipment, an analytical mind and an ability to solve engineering problems.
- She/he should be fully familiar with electrical power system analysis, modelling and design for industrial and utility networks.

Duties of the positions will be as follows.

- Carry out system stability, symmetrical component and system impedance analysis, protection co-ordination studies, harmonic distortion analysis and mitigation solution design, for utility connected, generator paralleled and islanded generation systems.
- Carry out research and development in the implementation of new solutions for power quality and reliability problems for mission critical systems in the large industrial and utility sectors.
- Plan and implement research methodologies and procedures and apply principles of electrical theory to engineering projects.
- Guide electrical engineers in conducting surveys and studying networks in order to investigate customer electrical systems issues.
- Guide electrical engineers in the design, implementation and maintenance of electrical power systems solutions for industrial and utility customers.
- Perform detailed calculations to compute and establish optimum solutions, bearing in mind relevant international standards.
- Be able to guide electrical engineers in the operation of state of the art computer-assisted engineering design/analysis tools and test equipment required to perform power engineering tasks.
- Conduct electrical risk analysis and management
- Compile professional technical reports and solution designs for implementation and, for presentation at local and international events/conferences.