

Principal Power Systems Engineer

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Company: Cundall

Location: United Kingdom

Category: architecture-and-engineering

The Role

This is an excellent opportunity for an experienced and talented Electrical Engineer to join our team in Manchester to work on the design of some of the most exciting critical systems/data centre projects in Europe.

As part of our established team of expert engineers, and working closely with colleagues of various disciplines, you will prepare both scheme and detailed engineering designs for the power systems for major data centre and other critical systems projects.

The role will suit someone who is already experienced in the design of medium voltage distribution systems. The role will involve working mostly on data centre projects ranging from plant upgrades through to 100MW+ hyperscale projects. If you are not already a Chartered engineer then you will be supported towards Chartership.

The Skills

Educated to degree level in Electrical Engineering or a Chartered Electrical Engineer (CEng equivalent), you have gained substantial experience in an Electrical Engineering role within the power systems field preferably in a data centre/critical systems context (UPS, power generation systems, MV / LV switchgear etc.).

You will be conversant in power systems design including grid substations design, CT calculations, differential protection stability slopes and rate of rise voltage calculations.

You have proven experience of detailed co-ordination with other design disciplines, and are well-versed in theory behind, and use of, relevant design software including ETAP and/or SKM-PTW MV systems analysis software.

You have proven ability in producing schematic diagrams, fault and discrimination studies, preparing specifications and project reports, carrying out site inspections and surveys, and detail design development, and crucially - you have a passion for accurate design of power systems.

Given the collaborative and client focussed nature of this role, excellent communication skills and experience of using your initiative to overcome challenges are essential.

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