

Role summary

We have an exciting opportunity for a Building Services Electrical Design Engineer to be part of our multidisciplinary engineering team in London. You will be required to work within a team to develop the successful projects through clear strategy and proactive commitment nationally and internationally.

Role definition

Job Title: Electrical Engineer (Buildings) – Full Time/Permanent

Reporting to: Senior Electrical Engineer / Project Leader
of the current project on a day to day
basis and ultimately to the Senior Partner

Responsibilities

- Undertake and deliver high quality detailed engineering design for electrical building services and power distribution systems, including calculations, analysis, schematics, drawings, diagrams, models, specifications, and other documents required
- Knowledge of relevant legislations, standards, regulations, guides and good practise
- Take responsibility, where required by the project leader, for specific areas of the design and project development
- Seek, complete and record evidence of, continuing professional development (CPD) in accordance with the requirements of the relevant professional Institution
- To have thorough knowledge of and compliance with Foster + Partners procedures and standards
- Represent the company in professional and diligent manner at all times, attend meetings with client, project team, contractors etc.
- Contribute and assist, as required by the Project Leader or Senior Partner, or nominated Engineer.
- Take responsibility in project document control and filing as required by the project leader.

Qualities and skills required

- Electrical engineering or Building Services Degree with electrical bias, 2,1 or higher
- At least 4 years' experience in a building design engineering capacity within the UK and/or internationally
- Working towards Chartered Engineer application within 24 months
- Proven ability to design electrical Building Services systems and demonstrate rationale behind proposals
- Demonstrate knowledge, understanding and application of low carbon design
- Sharing technical knowledge and experience with junior engineers
- Fluent in English (written and spoken)
- Communicate and present in a professional manner, both written and verbally.
- Excellent interpersonal skills, leadership and work well in a team
- Actively demonstrate initiative and able to work independently under pressure to meet deadlines efficiently

- A flexible and open attitude towards new ways of working and commitment to independent, lifelong learning
- Ability to work well under pressure and meet deadlines efficiently
- Able to manage sensitive and sometimes confidential information

Desirable

- Experience in Education, Hospital, Retail, Airport, Stadia, High-rise Mixed Used Commercial projects delivery
- Specialism in one or more of the following:
 - o Lighting and Daylighting
 - o Vertical Transportation
 - o IT and Communications Infrastructure
 - o Security
 - o Acoustic
 - o High / Medium Voltage
 - o UPS and Generator
 - o Fire Protection
 - o Building Information Modelling
- Proficient in some of the following:
 - o Autodesk Revit
 - o Naviswork
 - o AutoCad
 - o Microstation
 - o Rhino
 - o AGI32
 - o Dialux
 - o Relux
 - o Radiance
 - o Elevate
 - o Amtech/ Trimble Calculation Software,
 - o ETAP
 - o InDesign,
 - o Microsoft Office Package

This description reflects the core activities of the role but is not intended to be all-inclusive and other duties within the group/department may be required in addition to changes in the emphasis of duties as required from time to time. There is a requirement for the post holder to recognise this and adopt a flexible approach to work. Job descriptions will be reviewed regularly and where necessary revised in accordance with organisational needs. Any major changes will be discussed with the post holder.

August 21