

Role Definition

Job title: Senior Fire Protection Engineer

Reporting to: Partner on a day to day basis and ultimately the Senior Partner

Responsibilities

- To assist in discipline leadership
- To understand the design project
- Prepare, and develop where required, calculations, analysis, schematics, drawings, diagrams, models, specifications and other documents relating to the design
- To adhere to the design process and undertake fire protection systems engineering design activities relating to the project
- To take responsibility for specific areas of the design and project development
- Assist the F+P architecture team to achieve their design goals and provide an appropriate level of support
- To liaise, where appropriate, with members of the external design team and other associated organisations or companies
- To seek, 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 F+P procedures and standards
- To contribute, or otherwise assist, as required by the Partner, Senior Partner.

Qualities & skills required**Essential**

- Able to demonstrate ability to undertake the above responsibilities
- Legally able to work in the country in which the position is based
- Qualified as a Chartered Engineer or working towards Chartered status
- Solid technical understanding of own core engineering discipline and the role of the fire protection engineer within the design team
- Broad understanding of other engineering disciplines engaged in the design of the built environment
- Working knowledge of UK fire protection standards including LPC Sprinkler Rules incorporating BS EN 12845, BS 9990, BS EN 15004, BS 5306, DD 8458, DD 8489
- Ability to use initiative in response to demands of project
- Able to negotiate and communicate well in graphical, written or verbal forms including ability to listen and to understand others
- Ability to understand and formulate design decisions
- A flexible and open attitude towards new ways of working and a proven commitment to independent, life-long learning
- Self-organized and motivated
- Developed problem-solving and analytical skills
- Good interpersonal skills and able to work independently and as part of an effective team
- Able to build good relationships at all levels, internally and externally
- Resilient to cope with conflicting demands, able to prioritise duties and work effectively under pressure

Continued overleaf

Desirable

- Assist with the management of junior graduate engineers on the team
- Understanding of financial aspects of running a design project on time and on budget
- Ability to use Autodesk Revit
- Appreciation of international technical guidance relevant to fire protection systems including NFPA
- Knowledge of either fire safety / strategy design or public health systems design
- LEED qualified or having working familiarity with environmental assessment methods
- Ability to use some or all of the following generic software: MicroStation, Microsoft 'Office' suite, Adobe Creative Suite
- Ability to use hydraulic calculation software such as HASS, Canute FHC or similar.
- Mandarin, Cantonese or mainland European language skills

This description reflects the core activities of the role but is not intended to be all-inclusive. Other duties within the Group 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.

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