

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.

September 2016