

Role Definition

Job Title: Fire Engineer

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

Responsibilities

- Advise the design team on appropriate fire strategies
- To prepare, develop and edit circulations, drawings, CFD models and other documents as appropriate, relating to the design of smoke ventilation, sprinkler systems, fire detection and fire alarm systems by the mechanical engineers
- Advise on appropriate fire engineering solutions to both simple and complex projects nationally and internationally
- To analyse project designs and their fire performance requirements, including advising on applicable legislation and codes
- To develop guidance materials on good practise principles and strategic hierarchy of passive and active systems available
- To develop where required, representations of design option solutions for further discussion with the design team/integrated design team or external consultants
- To evaluate/review/ comment on suitability of available computer programs within F+P to carry out fire and structural fire engineering analysis
- When required present the fire strategy to clients, negotiate with relevant enforcing authorities and consultants
- Ability to travel when required to attend meetings; in some cases international travel may be necessary, however the frequency is likely to be minimal, however this could change dependent upon the project
- To assess the health and safety implications of advice given, compliance of CDM regulations
- Where applicable complete fire design risk assessment and safety evaluation
- Maintain and provide records of advice given
- Thorough knowledge of and compliance with Foster and Partners procedures and standards
- Undertake other ad hoc duties as may be required from time to time
- Equity, diversity & inclusion (EDI) is a core priority. To support and champion the embedding of this focus as a collective workforce responsibility, EDI should be integrated, where relevant, into all workstreams.

Qualities and Skills required

- Able to demonstrate the ability to undertake the above responsibilities
- Legally able to work in the country in which the position is based
- Excellent organisational skills
- Able to manage sensitive and sometimes confidential information
- Self motivated and able to take responsibility
- Able to demonstrate initiative and a proactive approach to daily tasks
- Good interpersonal skills and able to work independently and as part of an effective team
- Flexible attitude
- 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 [while always remaining calm and professional]
- Able to work as part of an effective team assisting and supporting team members
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- Ability to use a variety of media in the development and documentation of a design project for example InDesign, Photoshop and video clips
- Educated to degree level BEng, BSc or equivalent in Fire engineering
- Evidence of good design understanding
- Work simultaneously on several projects
- Ability to use Internet Explorer, Word, Excel, Outlook and PowerPoint
- A flexible and open attitude towards new ways of working and commitment to independent, life-long learning
- Attention to detail
- Able to file in alphabetical and numerical order
- Excellent written and verbal communication skills – articulate and diplomatic manner
- Evidence of the ability to understand design decisions taken by others
- Ability to use some of the following: Micro Station, InDesign, and Structural Software Packages.

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.