

Role Definition

Job title: Fire Engineer

Reporting to: Head of Fire Safety on a day to day basis and ultimately to the Deputy Head of Technical Design Team.

Responsibilities

- As part of the Fire Safety Team, you will help drive a proactive, holistic, and risk-based design methodology within the Architectural Studios and Engineering Groups.
- Provide support to the Architectural Studios and Engineering Groups and use creativity to assist in the development of solutions which fulfil the project fire safety objectives.
- Build and maintain strong positive relationships throughout the organisation.
- Contribute to the identification and addressing of fire-related constraints and opportunities for projects throughout their lifecycle.
- Cultivate and propagate an awareness of the impact of the fire safety design on construction, installation, commissioning, and maintenance.
- Contribute to the growth and promotion of the Fire Safety Team within F+P.
- Remain abreast of developments in national and international fire-related legislation, fire technologies, and materials and products – and feed this back to the wider team.
- Assist in providing fire safety and fire engineering advice during the undertaking of Construction Reviews and follow up on requests for further guidance, information, or advice.
- Attend meetings as required; in some cases, international travel may be necessary.
- Give guidance and assistance on appropriate fire engineering approaches office-wide and, where applicable, interact with externally appointed fire engineers.
- Assist in the update and maintenance of the relevant F+P Guides.
- Thorough knowledge of and compliance with F+P procedures and standards.
- Contribute, or otherwise assist, as required the Senior Partner/Head of Fire Safety.

Secondary responsibilities

- Maintain and provide records of advice given.
- Maintain a record and evidence of professional development and review this with the Senior Fire Engineer.
- Identify personal training needs and stay up-to-date regarding training opportunities.
- As required, review fire engineering reports/studies/strategies where provided by external consultants with the exception of Integrated Design Team project involvement.
- Assist in the development, testing, and use of relevant methods and tools to assist in the effective creation of robust fire safety designs.

Qualities & skills required

- Working towards Chartered or Incorporated Engineer status with a relevant Institution.
- 2 – 4 years' experience in a fire engineering or related discipline role.

- Established experience in producing fire safety and fire engineering documentation. For example, fire safety strategies and fire engineering analysis reports.
- Legally able to work in the country in which the position is based.
- Evidence of a good design understanding.
- Willingness to expand knowledge into other disciplines related to fire safety and fire engineering.
- Good interpersonal skills, proven ability to interact with a diverse range of people, and the ability to work well in a team.
- Ability to use a variety of media in the development and documentation of a design project.
- Ability to take initiative in response to direction or instruction.
- Evidence of the ability to understand design decisions taken by others.
- Ability to manage own time to work well under pressure and meet expected timeframes.
- Ability to use some of the following: MicroStation, InDesign, Word, Excel, Outlook, PowerPoint, FDS, CFAST, B-RISK, OZone, MACS+, and structural software packages.

This description reflects the core activities of the role. It 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 2019