

## **Job Description - Fire Suppression Systems Design Engineer/ Manager**

The Fire suppression design engineer/manager will be responsible for providing technical expertise and support to the business to ensure robust, achievable and acceptable technical outcomes, guaranteeing the timely delivery of customer facing works.

### **Responsibilities include:**

- Ensure a faultless level of cooperation and collaboration to deliver the business objectives.
- Deliver a best-in-class service to stakeholders in particular Customers and Operations.
- Maintaining and recording continuous professional development (CPD) training to continually improve technical expertise, including training activities (both internal & external, formal & informal).
- Ensure that your deliverables meet with appropriate technical standards.
- Ensure technical delivery of projects to time quality and cost.
- Preparation of estimates and designs for installation of new extinguishing systems from drawings or sketches.
- Carry out design of suppression systems on receipt of order from drawings or sketches (site visits may be required) to enable project manager to order equipment including production of Isometric drawings and hydraulic calculations.
- Volumetric Calculation to determine the fire suppression agent quantity/cylinders required and fire detection in accordance with BS6266 for electronic installations and/or BS5839 Part 1. BS 15004/14520 standards for fire suppression Class A, Class A – Higher Hazard risk environments.
- Following qualification by the salesperson of the space to be protected and suppression type to be used the Special Project Team will carry out a design and estimation of costs with a draft proposal issued in word format for final edit and issue by the salesperson that will include client or project specific caveats.
- Carry out formal design of suppression systems on receipt of order from construction issue drawings or cut from latest BIM model or sketches (site visits may be required) to enable project manager to order equipment including production of Isometric drawings and hydraulic calculations.
- Provide technical submissions for Status A approval before equipment/BOM orders can be issued to the supply chain.
- Carry out estimation of requirements & costs where systems are required to be upgraded or where service exchange of equipment required (site visits may be required).
- Experience of room integrity testing.
- Attend site visits / teams calls to support sales and project teams with technical discussions.
- Ensure designs are comply with the relevant legislations.
- Technical support to the business on all aspects of extinguishing systems.
- Assist Business Development Managers, Account managers and Sales Director with sales of extinguishing systems
- Maintain a technical management process which ensures compliance with all industry standards and procedures.
- Assist in ensuring and maintenance of suitable limited KPI's to ensure best in class performance of the technical team.
- Support the Project / Technical delivery teams during change control discussions, claims or contract disputes.
- Maintain technical records and documentation, such as technical files etc.

**The ideal Candidate will possess the following skills:**

- Experience of working in a multi-site, multi-discipline business
- A proven track record of delivering technical success
- Extensive experience in fire suppression system design and design review from small systems through to commercial and industrial systems
- The ability to deliver to tight timescales and deadlines consistently
- Exceptional communication skills and interpersonal relations at all levels
- Design team meeting experience
- Experience in gaseous fire suppression systems and ideally water mist systems
- Understanding of NFPA / FM Global guidelines. AutoCAD experience and familiar with full hydraulic calculations software such as Kidde, JCI and FIKE
- Extensive knowledge of British standards current & previous (BS 5306 Part 4(Co2), NFPA 2001, BS14520, BS15004, BS5839 & BS6266).
- Knowledge of and applicable uses of extinguishants used by business (IG541, IG55, IG01, IG100, Co2, NOVEC & FM200).
- Development of extinguishing / suppression within the business.
- Research new products and opportunities for Special Projects division

**Location:**

Remote working with access to either the Linlithgow, West Lothian, Scotland office or the Kidlington, Oxford, England office, on occasion

**Business Unit:**

Special Projects Division

**Salary:**

Negotiable, commensurate on experience

**Benefits:**

Fully expensed company vehicle and travel, 21 days holiday entitlement and company pension, death in service, employee assistance programme