

Fire Suppression System Assessment

Design, Compliance & Risk Evaluation



Assessment Information

Site Name:

Assessment Date:

Assessed By:

Next Review Date:

1. Legal & Regulatory Compliance

- Fire risk assessment completed
- System design compliant with BS EN 12845
- Approval Document B (Building Regs) reviewed
- Liaison with fire authority/Building Control
- Insurer requirements met (e.g. LPCB)

2. Design & Specification

- Hazard category determined (LH, OH, HH)
- Water demand calculated (flow & duration)
- Suppression method selected (sprinkler/mist/foam)
- Zoning and floor-level protection planned
- Integration with alarm, BMS, and access control

3. Water Supply & Storage

- Mains water pressure tested
- Storage tank required
- LPCB-certified tank specified (LPS 1276)
- Tank size confirmed (litres)
- Backflow protection and overflow fitted
- Access and insulation provisions made

4. Pumps & Components

- Fire pump(s) sized to system demand
- Standby pump installed
- Diesel/electric drive selected
- Pump house or enclosure installed
- Pump test line and flow meters included
- LPCB/BS EN certified components used

5. Installation & Commissioning

- Installation by qualified contractor
- Pipework pressure-tested
- Pump flow/pressure verified
- Control panel tested with alarms
- Documentation provided (O&M manuals)

6. Documentation & Compliance

- Risk assessment and fire strategy file
- System design drawings (as-built)
- Commissioning and test certificates
- Maintenance logs and inspection records
- Red Book Live product certificates

Notes / Key Findings: