





Services



AREAS OF EXPERTISE

Fire detection and alarm systems

Smoke management and control

Fire-fighting access and facilities

Computer modelling

Fire dynamics

Sprinkler protection

Occupant behaviour

People movement

Active fire-fighting systems

Fire suppression systems

Fire safety gateways

Timber and CLT design

Evacuation strategy

Fire safety strategy

- Risk analysis
- ✓ Personal emergency evacuation plans (PEEP)
- Effective fire protection
- Means of warning and escape
- Access and facilities for fire-fighting
- Structural fire protection
- Special risk protection
- Internal and external fire spread
- Smoke management and control
- First aid fire-fighting
- Active fire-fighting systems
- CFD and evacuation modelling
- Due-diligence study
- Fire strategy drawings
- Fire safety management plans

Our team of fire safety specialists utilises the full range of engineering knowhow from across Sweco's international skills landscape.

We have the ability to draw on the expertise of global fire teams, with the UK experience to apply it against local laws and criteria. We can also offer functional building services and performance advice on the design of mechanical and electrical systems as well as vertical transportation systems, including advanced smoke detection and sprinkler protection.



Implementation & management

- Fire safety management
- Fire safety manuals
- Fire safety training
- ✓ System design
- ✓ Work permits
- Fire prevention

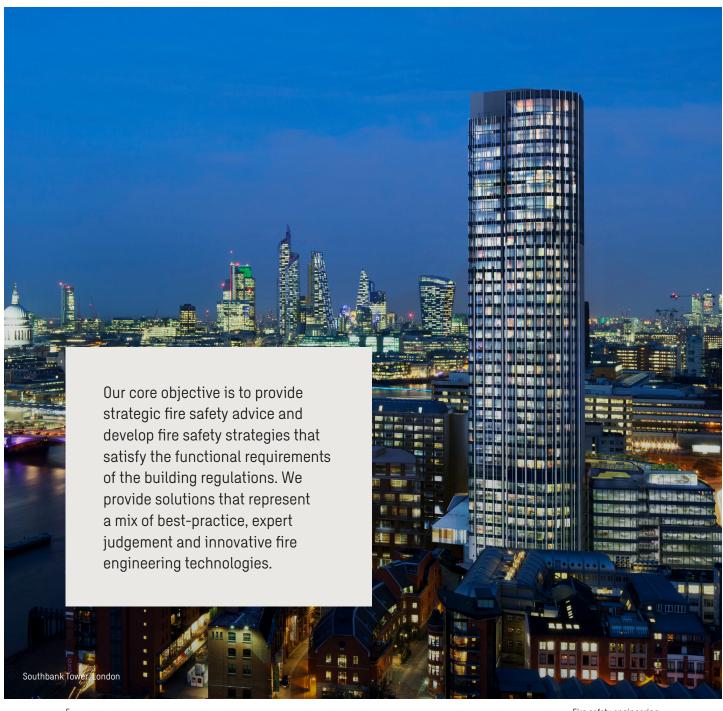
Evaluation & audits

- Performance analysis
- Expert witness
- Inspection and commissioning
- Peer reviews
- Testing and site surveys
- Thermal radiation analysis
- Third party review

Please note that our Building Standards team also offers related solutions in building safety inspection and monitoring, building safety systems and associated regulatory advisory services.

Our approach

Working closely with our wider multi-disciplinary teams (including structural engineers, façade specialists) and teams across Europe allows us to develop flexible proposals that satisfy every individual client requirement. We maximise the value of a scheme whilst maintaining robust levels of fire safety based on a sound understanding of all the competing issues involved. This includes access to expertise in mechanical and electrical engineering and specialists in energy modelling and vertical transportation.



Our expertise

Fire safety strategy

The development of a clear and coherent fire strategy demands specialist knowledge in all the key fire safety elements. With unrivalled international insights and specialisms we are able to consider the dynamics of fire and smoke, the behaviour of occupants and the response of structural components to fire while also understanding fire-fighting practices and operational procedures. This appreciation is coupled with a thorough understanding of approved codes of practice and current engineering guidance together with UK and international legislation.

While you may be the owner, manager or 'Responsible Person' in a commercial premise, we understand that you may not have the time, confidence or competency to undertake a detailed audit. That's why we provide a tailored approach to each project, assisting both the client and design team in a full assessment, before collaborating on the required fire protection design and integration. Our early involvement in a project is key to limiting risk.

Government fire safety gateways

We can provide early support for planning applications to meet the requirements of the HSE and other local government planning requirements. Our advice allows developers to present projects that meet the Gateway 1 fire safety requirements and through project development at Gateway 2 and 3.

Risk management

We are highly experienced in the development of fire safety management strategies. We work closely with building owners and occupants to produce a regime that successfully balances the risk to occupants, the impact of active or passive fire-fighting systems and the capabilities of the building management team.

Legislative frameworks

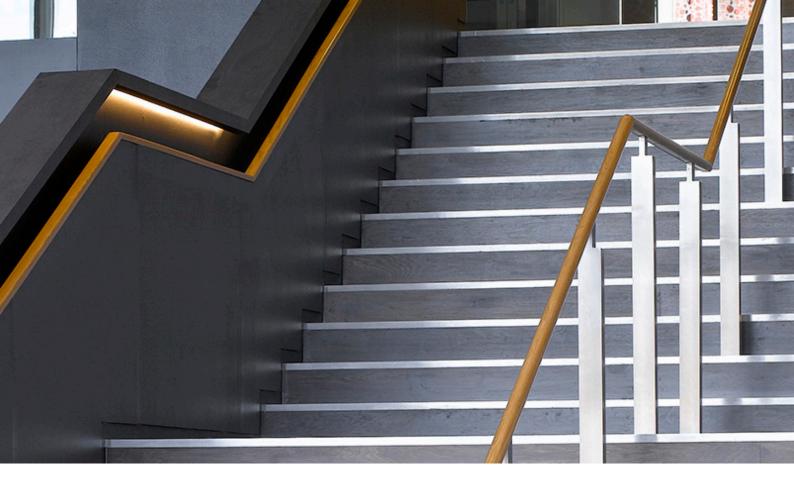
Legislation in fire strategy is an evolving area that is updated to reflect recent events. We are involved, where appropriate, in various consultations on any proposed legislation such as Part B, Schedule 1 of Building Regulations, The London Plan, Fire Safety Regulations and Fire Safety Order. We ensure the changes are presented to the clients and design team in way that easy to understand and deploy.



Projects of note

- → Alconbury School
- → Barts Square
- → Bloomberg London
- Canary Wharf's New District
- → Centre Point
- ightarrow Commercial Bank of Qatar
- ightarrow Creechurch Place
- German Embassy
- → Harrington Place
- → Index (DIFC)
- Karlatornet
- → King's Cross Central
- → Lon1X0 Data Centre
- → More London
- → Norwich Castle

- → One Nine Elms
- Oxford Brookes University
- → Sixty London
- → South Bank Tower
- → Spinningfields
- → The Bower
- → The St Botolph Building
- → The Tower, One St George Wharf
- → The Walbrook Building
- → The Willis Building
- → The Zig Zag Building and Kings Gate
- → Vantage Point
- → Vauxhall Square
- → Worswick Chambers
- → 70 Mark Lane



Selected clients

- → Almacantar
- → Argent
- → AXA Real Estate
- → Barratt Homes
- → British Land
- Canary Wharf Contractors
- \rightarrow CIT
- → Commercial Bank of Qatar
- Development Securities
- Essential Living
- → Galliard Homes
- \rightarrow Helical
- → Hilton Hotels
- → King's Cross Central General Partner Limited
- → Land Securities Properties

- Minerva
- → More London Developments
- → Native Land
- **→** P&0
- → R&F Properties
- → Seaforth Land Ltd
- → Selfridges
- → Serneke
- → St George South London
- → Stanhope
- → ThamesWey
- → Union Properties
- → University of East Anglia
- → Vistry Group
- → Wanda One (UK)



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