

# The UK Fire & Resilience Offer

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# Foreword

## The UK Fire & Resilience Offer



**Rt Hon Brandon Lewis MP**  
Minister of State for Policing  
and the Fire Service

The UK has a proud history as well as a strong track record of innovation. In recent years we have significantly reduced the number of people who die or are injured in fires, and this is a record of which we are very proud. We have also faced some significant environmental challenges, including flooding, major transport accidents, as well as major fires. Our focus on improving resilience and ensuring safety is designed into both our heritage as well as innovative buildings at the earliest stage and has directly contributed to our success.

The UK is now able to offer, for the first time, a complete "end-to-end" support process to meet all fire and safety related needs from initial design consultation through

to implementation of world class fire protection and alarm systems. This is supported by first class training and, if required, direct provision of UK fire-fighters working overseas.

This UK "fire offer" comprises the complete range of fire related goods and services that are required for buildings to be designed in a safe and cost effective manner, through to support for Government and local communities to plan for and respond to any emergency. We stand ready to meet your needs and aspirations and become your partner of choice.

If you would like to do business with UK fire companies, or indeed would like assistance, support or advice, please get in touch.



# Introduction

## UK Fire Sector

The UK Fire Sector, which includes the Fire and Rescue Service, is highly experienced in creating a safe environment and planning for, and responding to, major emergencies as and when they happen. It operates across all sectors including infrastructure, construction and transport, as well as at all major events, to provide safety and resilience. The UK Fire Sector has a first class reputation for reliability and quality and its Fire and Rescue Service is recognised as being second to none.

The sector employs world class staff who are skilled

in mitigating risk from fires, major transport incidents, flooding, rescues at height or from confined spaces, dealing with chemical, biological, radiological and nuclear (CBRN) threats, as well as providing emergency medical service responses for heart attack and major trauma victims. It also has some of the best training in the world and this, supported with effective pre-planning, supports local and national scale civil protection and disaster relief.

At the same time, the UK Fire Sector protective industries are also recognised globally

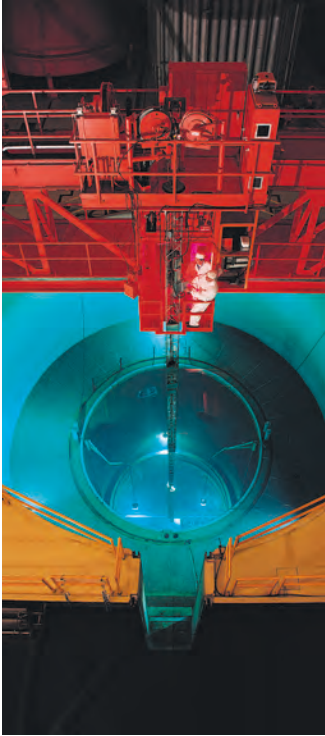
for delivering quality products and engineering expertise. Their experience in controlling fire risks dates back from the industrial Revolution to a modern day focus on risk assessment and control with many large global building projects being managed by UK engineering specialists.

As an industry providing fire detection, fire suppression, consultancy, design and testing services, UK Fire Sector companies support every facet of building infrastructure, equipment and safety related clothing and services.



# Our experience

## Fire and Resilience Sectors



### Infrastructure

Extensive engagement in utilities and manufacturing infrastructure projects, including the nuclear and chemical industries.



### Construction

Offering a full range of fire engineering design, provision, installation services, computational fire modelling, testing and development of standards of construction materials.



### Services

Front line emergency and medical services to high risk industrial sites including planning, training and the provision of emergency responders.



### Aviation

Emergency service provision, including planning, training, emergency response and equipment for military and domestic aircraft.

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## Transportation

Major land based projects in road, rail, marine and air transport including subsurface tunnel rescue services and emergency response.



## Major events

Operational planning for global level sporting events such as the Olympics and Rugby World Cup, national pageants and world class entertainment venues, including Glastonbury Festival.



## Safety and resilience

Extensive background experience of concept to delivery planning for a range of services that secure, protect and deliver world class first response and sustain resilient communities.



## Onshore and offshore energy

Experience in supporting safety related services in the oil, gas and renewable sectors, including environmental protection and pollution response.

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## Our services

### Consultancy

Strength in fire safety based upon experience.

### Wider health and safety services

Including planning, training and support for emergency responders and others.

### Fire related products

Full range of firefighting and fire protection equipment including fire safety services.

### Front line response services

Including the provision of fire, emergency and medical service staff.

## Equipment, staff assurance and fire service management

Equipment and fire service management and staff assurance.

## Design and risk management services

Advanced risk and business continuity management expertise as well as offering sophisticated communications technology to enable improved resilience and effectiveness.

## Employment services

Pre-employment assessments and psychometric profiling for high risk roles.

## Standards, certification and accreditation

The British Standards Institution (BSI) is the national certification and accreditation body that helps organisations all over the world make excellence a habit. Standards aim to help organisations improve their performance, reduce risk and achieve sustainable growth.

BSI's fire safety standards provide important information ranging from fire protection to fire detection and alarm systems.

The UK has the expertise and integrity to independently evaluate a manufacturer's product development, credentials and brand.



# World leaders



Developing fire safety culture through intelligent design, management, regulation and involving communities



Internationally renowned integrity and professional standards



Proven history of fire risk management in both heritage and modern buildings



Competent and capable professional staff that are matched with experience



Highest quality products and use of new technology to drive innovation



Leading edge practice and solutions for personal protection and employee safety



Compliance to recognised quality standards



World class leaders in risk management

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## Fire equipment and safety services

This capability enables contractors to provide the very best equipment to protect people using buildings. At the same time, fire engineers can be employed at the earliest stage of building design or transport infrastructure to ensure that it is produced in a cost effective manner without compromising structural integrity or safety.

- ▶ Leading innovation in early warning and fire detection systems, as well as fire prevention and mitigation.
- ▶ Fire risk assessment and fire engineering including computational modelling.
- ▶ Fire extinguishing systems and portable fire extinguishers.
- ▶ Structural fire protection and controls to contain and prevent fire spread.



## Firefighting training, assurance and community engagement

This capability ensures that firefighters are prepared, skilled and assessed as competent to deliver the safety service expected to ensure the risk is mitigated. By providing high quality training, employers can discharge moral and legal obligations as well as reducing the cost and consequences of damage to life and property.

The UK is unparalleled in its success at reducing fires, injuries and deaths through engagement with communities. The fire services also contribute to regional achievements to reduce obesity, social isolation and to increase youth engagement.



## Firefighting staff, equipment and fire service management

This capability ensures that clients can secure the finest firefighting staff in order to protect critical infrastructure, buildings or other risks. Provision of the highest quality personal protective equipment and firefighting equipment will ensure that firefighters are safe and have the tools needed to effectively mitigate risk. This can be managed by highly experienced officers who can train others or deliver an effective governance and management platform for an extended period.

- ▶ Provision of firefighters to mitigate fire and rescue risks on site.
- ▶ Provision of personal protective equipment.
- ▶ Provision of firefighting equipment and supplies.
- ▶ Provision of command and control management including mobile systems.



## Employment services

This capability ensures that employers can carry out pre-employment assessments of staff who may be employed in high risk occupations, or work in high risk environments, to ensure that the people selected for those roles are best suited to them. This will reduce risk to the employing

organisation as well as reducing costs relating to high turnover rates. Accidents will be reduced as a result of having employees with the right personal attributes, including behavioural attitudes to safety, and an aptitude for working at height or in confined spaces.



## National disaster management

This capability can assist national, regional and local governments in pre-planning arrangements, as well as those non-government organisations responsible for mitigation support post event in ensuring resilient communities, cities and countries. The ability to withstand 'shocks' and bounce back quickly is related to the degree of preparedness.

Given the ever increasing threats to economies and society as a whole, ensuring that countries and key organisations are as prepared as they can be is the key to future sustainability. Major events often require specific pre-planning and the UK Fire and Rescue Service is perfectly placed to share its experience of planning for and the effective management of major

sporting or public events.

- ▶ National disaster management (capability development and mitigation support).
- ▶ International search and rescue and civil protection support.
- ▶ Major event contingency planning.



## Wider medical health and safety services

This capability ensures that large scale projects or high risk industries can be managed in a safe manner across all aspects of safety. Employers and project managers can ensure their work is undertaken in as safe a way as possible, by using the skills of managers who are used to leading and managing staff in risk critical environments, with the resultant reductions in accidents and lost time ultimately reducing costs for the client.

- ▶ Delivery of safety and medical planning services.
- ▶ Provision and assurance of safety and medical training.
- ▶ Provision of rescue from confined spaces and water, identification of hazardous materials, as well as providing medical response teams.





### Case study

#### Major oil tank fire

Officers from 31 UK Fire and Rescue Services were called to attend a major incident in Hertfordshire Oil Storage Terminal following a number of explosions. The effects of the incident were catastrophic; not only were

homes and businesses wrecked in the local area, damage to landscape and properties were reported up to 12.6 km away. High Volume Pump units, using 7,000 litres per minute over a distance of 3 km were used and were pivotal to supply the

sustained foam attack required to deal with the incident. At the height of the fire 15 High Volume Pump units were used, 6 of which were used to deliver water through 12 lines of hose over a distance of 1.8 km.

### Case study

#### Major flooding - Somerset

During 2018-2019, the Atlantic winter storms in Europe, together with the winter floods, affected significant parts of the UK, in particular the Somerset Levels, a coastal plain and wetland area. 7,000 homes in Somerset were affected during this time. In a rescue operation involving 24 other Fire and Rescue Services, over 1,000 personnel from the Fire Rescue Service and the deployment of over 400 vehicles, the emergency services ensured that medical supplies and life saving responses were delivered, and homes and livestock were protected.





## Next steps

If you would like to build capability around the safety of people or buildings please contact your local DIT office within the UK Embassy in your area who will be able to present your opportunity to the whole UK Fire market. They will be delighted to see how they can meet your needs and aspirations.

Any inquiries should be directed to:

[info@ukfireexport.co.uk](mailto:info@ukfireexport.co.uk)

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Not all of the equipment listed in this brochure is necessarily in UK operational service. The inclusion in this brochure should not in any way be considered as HMG approval or endorsement of the products concerned.

Interested parties should note that in all cases it is advisable for them to undertake their own research to ensure that any UK equipment being displayed meets their particular operational requirements.

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