



TRANSPORT: AIRPORTS

We have a wealth of experience providing fire safety solutions for the ever-changing requirements and expansions of international transport hubs and infrastructure.

International Fire Consultants have a long and successful history of working on airports throughout the world. Our specialist award-winning team deliver clear, unbiased and actionable fire safety solutions.

We have a wealth of experience providing fire safety solutions for the ever changing requirements and expansions of transport hubs and infrastructure. We've worked on major transport projects in the including City, Regional and International airports in the UK and beyond.

Providing detailed fire engineering and fire risk management advice to international infrastructure projects with unique security and design challenges, requires an expert advisor. Our involvement spans from the renovation of transport buildings, to modern new builds and air-side extensions of airport terminals.

We are relied upon by many prestigious construction firms, architects, developers and airport operators to advise on any fire safety and fire protection issues, incorporating active and passive systems, clear evacuation plans, fire stopping systems and compartmentation.

As well as providing critical understanding for projects at all sizes and complexities, **one of the unique benefits of IFC is our ability to provide expert insight and advice that spans all 0-7 RIBA stages of planning and development** encompassing conceptual design and planning, fire safety design, construction phase management and ongoing fire safety management throughout the lifespan of a facility.



IFC's Chartered Fire Safety Engineering Directors lead our project teams who are able to focus on:

- ✓ Expert support to design teams, to ensure high standards of fire safety
- ✓ Minimising disruption from fire evacuations by maintaining security segregation
- ✓ Maximising commercial opportunities without compromising safety
- ✓ Fire safety design for flexible operation
- ✓ Reduced risk, workable fire strategies, added value, cost focus

This independent and holistic approach to all aspects of Fire Safety Engineering and Fire Risk Management (whilst allowing your chosen developers to supply, install and maintain the fire protection systems) ensures that you can be assured our advice remains impartial, fair and confidential and is based upon realistic and long term value.

Ultimately helping you to realise your project aims and keep staff, travellers and visitors safe from fire for the building's lifetime.

Key insight and advice available from the IFC Group includes:

- ✓ Fire Safety Strategies
- ✓ Smoke & Evacuation Modelling
- ✓ Structural Fire Engineering
- ✓ Expert Witness Testimony
- ✓ Peer Reviews
- ✓ Fire Safety Audits
- ✓ Fire Risk Assessments
- ✓ Emergency Planning
- ✓ On-Site Safety
- ✓ Engineering Assessments
- ✓ Detection & Alarm Systems
- ✓ Suppression Systems
- ✓ Fire Testing
- ✓ Fire Protection Training
- ✓ External Walls & Attachments

Heathrow Airport
Gatwick Airport
Hong Kong International Airport
Brussels Airport
Luton Airport
Dublin Airport
Dubai International Airport
Manchester Airport
Eurostar International
Brussels International
Waterloo Train Station
Shepherds Bush Westfield
Paddington Crossrail
Kings Cross, St Pancras International
White Hart Lane Station
Julius Nyerere International
Bakerloo Line London Underground

TRANSPORT HUB PROJECTS

Regional Airports | International Airports
Train Stations | Underground Stations

HEATHROW AIRPORT

The IFC Group undertook an independent 3rd Party review of Fire Safety Risk items on Terminal 5 that included a review of wider T5B smoke control issues identifying any potential design and implementation risks and a review of related submissions.

A fire safety strategy, and the identification of wider design risk issues. Fire safety plans with ongoing assistance to our clients, including a development and audit of the plans, as well as assessing fire compartmentation issues to New Control Tower and a review of alarm and detection proposals.

SINGAPORE CHANGI AIRPORT

In 2009 the IFC Group provided the fire strategy and design advice, regarding extended travel distances, means of escape, fire dynamics, fire growth, smoke control, alarm and detection, suppression, signage and approval issues for the airport's terminal 3. Subsequently IFC have also advised on the fire safety issues associated with the introduction of sales kiosks in the departure transit circulation space of T3.

HONG KONG CHEK LAP AIRPORT

IFC have worked on the Asian Airport Terminal undertaking a structural fire engineering analysis of High Bay Warehouse facilities. IFC have also dealt with fire safety issues on the main terminal buildings dealing with fire compartmentation and egress issues with the Provisional Airports Authority, design analysis and underwritten engineering appraisals of innovative uses of fire rated glazing and steel fire doors.

BRUSSELS AIRPORT

The IFC Group conducted a Fire Strategy, smoke and egress modelling including related issues, such as cause and effects with alarm detection and suppression systems. Provided approvals and presentations regarding the strategy.

GATWICK AIRPORT

The IFC Group worked closely with the Property Services & Estates Department at Gatwick Airport for a number of years; conducting non-invasive surveys of fire compartmentation lines, doorsets and fire resisting glazed elements; Fire Risk Assessments, Document Reviews and prepared retrospective fire safety strategy reports for the fire separation at a number of buildings.

DUBAI INTERNATIONAL AIRPORT

IFC Certification undertook 3rd party approval inspections of the Excujet Facilities and new Terminals at Dubai Airport. This project included checking for fire resisting materials, Factory Production Control and assessment of the production of suppliers manufacturing facilities, site installation inspections, snagging, identification labelling and final sign off.

