



## EDUCATION

Learning spaces should be inspirational as well as practical and safe. At IFC we have extensive experience gained over thirty years, providing fire safety solutions to facilities across the educational sector.

For inspirational, award-winning yet safe and practical learning spaces, IFC Group have over 30 years' expertise and experience delivering clear, unbiased and actionable fire safety solutions, that span all stages of the RIBA project cycle.

Over this time IFC's team of highly knowledgeable fire engineers and fire safety professionals have created innovative and effective designs for educational buildings, comprising of teaching facilities, accommodation, catering and public spaces and dormitories; as well as provided critical understanding for projects at all budget levels.

Trusted by many of the most prestigious construction firms, architects and estate owners, this extensive experience of working with developers and also directly for Bursars and faculties, has seen delivery of many successful projects including: new builds, upgrades or refurbishment developments for early years nurseries and primary schools, through to larger estate run independent academies, private schools and world class universities and research establishments.

### **BB100, "FIRE SAFETY DESIGN GUIDE FOR EDUCATIONAL ESTABLISHMENTS"**

IFC have unique education experience having worked with the DFES and advised them in conjunction with DCLG, with IFC as the Lead Author, on the development and revision of BB100, formerly DES 7.



As the lead author of the fire safety design guide for schools for the Department for Education and Skills, IFC have worked closely with the Building Regulations Division of the DCLG (formerly Office of the Deputy Prime Minister) and the Fire Service.

### **Intelligent solutions | for safer places of learning**

This independent and holistic approach to all aspects of Fire 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 students, staff, 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

Oxford University  
Kings College London  
South Thames College  
Big Creative Academy  
University of Central London  
University of Exeter  
Oxford Brookes  
University of Surrey  
Guildhall School of Music/Drama  
Cambridge University  
Qatar University  
Lord Wandsworth College  
Southampton Solent University  
Harris 6th Form Centre  
Warwick University  
Haringey 6th Form Centre  
King Solomon Academy

Nurseries | Primary Schools  
Academies | Higher Education

## EDUCATIONAL PROJECTS

### KING SOLOMAN ACADEMY

The fire strategy for this academy included both refurbishment of a post war grade II\* listed school and new build to provide new sports and design technology facilities.

### SOUTHAMPTON SOLENT UNIVERSITY

The IFC Group were asked to provide a Fire Strategy and naturally ventilated CFD fire and smoke modelling for a for the seven storey extension to an existing building as part of major campus redevelopment.

### KINGS COLLEGE LONDON

Fire risk assessment and building works were designed to maximise levels of fire safety, means of escape and compartmentation using existing building fabric whilst minimising cost and impact on on-going college operations.

### GUILDHALL SCHOOL OF MUSIC AND DRAMA

A review of the Guildhall School of Music and Drama fire detection and alarm was conducted to advise on the replacement within the main building and adjacent John Hosier Annexe. Advice was also given on the suitability of sub-contractors.

### UNIVERSITY OF EXETER

The IFC Group produced a technical specification for the automatic sprinkler system for the New Living Systems Building at the University of Exeter.

In addition we also consulted on sprinkler protection and associated water supply to all floors within the Research Building including laboratories, offices, meeting areas and computational spaces.

### BIG CREATIVE ACADEMY

The IFC Group were asked to provide a fire risk assessment for the academy which incorporates a large auditorium, several small music rehearsal rooms in combination with larger standard sized classrooms.

The building aimed to minimise the number of fire fighting shafts and dry risers required, as well as incorporating a light control room in the auditorium that had extended travel distances but which the client did not want to install a sprinkler system.

A code compliant building was designed that allowed for no fire fighting shafts or for sprinklers to be used within the building. The design has ensured that the purpose of all rooms remain the same and only minor changes were required in order to bring the building up to standard.

