



## Manufacturing/Industrial

The manufacturing industry is characterised by large scale operations with huge capital investment and complex production processes. The fire safety measures required are varied and fire protection systems are critical when ensuring a safe work environment and business continuity during the whole lifecycle of the production facility.

For safe working and storage environments the IFC Group have over 30 years' expertise and experience delivering clear, unbiased and actionable fire safety solutions to the manufacturing, industrial and warehousing sector, spanning all 0-7 RIBA stages of planning and development.

We work directly with manufacturing clients as well as architects and developers to adequately define fire strategies, utilise powerful computational modelling and provide actionable recommendations which are effective and robust for the operation of the factory or plant.

Our skilled team draw on our specialist experience working on mixed use developments in order to advise clients on fire engineering designs and fire risk management, ensuring we create safe spaces whilst retaining the design experience and operational requirements of the building.

Fire safety is a critical component in the successful design of any new construction project. Our team of highly respected and knowledgeable Fire Engineers have helped to create many innovative and effective designs for a vast array of venues

We are relied upon by many prestigious construction firms, architects, developers, hotel chains and estate managers to advise on any fire safety and fire protection issues including



active and passive systems, clear evacuation plans, fire stopping systems and compartmentation.

IFC's independent and holistic approach to Fire Engineering and Fire Risk Management (whilst allowing your chosen developers to supply, install and maintain the fire protection systems) ensures clients receive confidential advice, based upon realistic and long term value.

IFC's best-in-class services range from consultations, fire risk assessments and fire strategies, to smoke and evacuation modelling, construction specification and detail designs for active systems (detection, alarms and suppression).

Our capabilities include state-of-the-art CAD and industry leading knowledge of the latest standards.

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

Wiseman Dairies  
Rolls Royce  
AstraZeneca R&D Centre  
Britvic Factory  
Weetabix Factory  
Shetland Catch  
Aston Martin Lagonda Factory  
Clegg Foods Plant  
Refresco Drinks  
Princes Foods  
Bio Ethanol Plant  
Colliers Farm Buildings  
Hullavington Hangar  
National Physical Laboratory  
Urban Splash Modular Factory  
Tangerine Confectionery Factory

Factories | Food Storage  
Warehousing | Industrial Plants

## MANUFACTURING PROJECTS

### ASTON MARTIN, ST.ATHAN

IFC were requested to develop a safe and effective fire strategy for an existing super hangar that was being refurbished for use by Aston Martin, enabling the desired solution, operational requirements and design quality.

IFC initially undertook an engineering review and analysis of the drawings during this stage and provided comment on compliance with the relevant codes, along with advice regarding alternative solutions required evacuation matrix.

### MARS FACTORY

IFC were asked to assist in the design process (up to the completion of RIBA Stage 4) a new manufacturing facility consisting of ground and first floor and in doing so carried out a review of architectural designs and highlighted issues relating to fire safety; as well as providing a fire strategy report and technical support.

In relation to fire safety systems and provisions, IFC provided performance specifications of the fire precautions required, as well as advice on the standard of fire alarm and smoke detection to allow the appointed M&E engineers to carry out the detailed design of the system.

### WEETABIX FACTORY

The IFC Group were commissioned by Weetabix to advise on the risks from fire and explosion, including the resultant effects on people and the business, for their production facilities at Burton Latimer and their two Corby sites.

Weetabix also tasked IFC to report on projected hazard and risk capital issues resolving costs, along with advice on a suitable resolution programme.

### ROLLS ROYCE

To help support the extension to the building's life, IFC were commissioned to provide a fire risk assessment, extended in its scope to include a review of fire resistant compartmentation.

IFC undertook a review of the building to develop a risk classification in terms of life safety from fire and highlighted any areas in which improvements could be recommended, in order to assist in ensuring the fulfilment of obligations in accordance with the Regulatory Reform (Fire Safety) Order 2005.

### HARVEYS & BENSONS

IFC were instructed to assist with all fire safety issues for the construction project of a new warehouse and provide advice covering the overall fire strategy, Fire Risk Assessments, the design, tendering and commissioning of the sprinkler and fire alarm systems, and a review of smoke ventilation.

