

Airport protection



"From where you take off, to where you land, we protect virtually every airport in the world, including the most important one ... yours"

The challenge

The fire risk within airports is amplified by the need to ensure the safe mass evacuation of people who could be exposed to the primary danger of smoke and toxic fumes that are difficult to vent in a controlled way within airport terminals.

With these factors in mind, Tyco Integrated Fire & Security has developed a well proven Integrated Risk Management Approach to protect vulnerable areas within airport terminals, aircraft hangars and airport building infrastructures from the threat of fire. With the addition of integrated security and safety systems, our approach has been developed from a wealth of experience gained by protecting over 350 civil, and military airport and aviation facilities over a 50 year period.

Having worked in partnership with the Airport Authorities and their specialised construction groups on every major turnkey airport project throughout the world, there is no imaginable fire, safety and security risk within this market sector we have not encountered and neutralised.

It is therefore hardly surprising that Tyco Integrated Fire & Security is a preferred supplier with a proven track record for providing an Integrated Risk Management Approach that can integrate over 20 different types of system within nine disciplines to meet the varied and individual needs of the airport and aviation industry.

These disciplines include:

- // Doors
- // Fire detection & alarm
- // Fire extinguishers
- // Foam extinguishing systems
- // Gaseous fire suppression systems
- // Kitchen fire suppression systems
- // MicroDrop® high pressure water mist systems
- // Sprinkler systems
- // Service & maintenance

Case Study

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However, don't take our word for it. Our airport and aviation "Fast Facts" speak for themselves.

Airport and aviation industry "Fast Facts"

Fire protection projects

// Sprinkler life safety systems –

We have installed these systems in public areas, retail shops and executive lounges within major international airports. These systems have ensured that the Life Safety and "Adequate Means of Escape" regulations have been met in full.

// **Fire detection & alarm** – We have installed these systems in all airport areas with integrated Public Address and Voice Evacuation systems that can ensure the safe mass evacuation of airport passengers and staff in the event of a fire or safety alert.

// **MicroDrop® high pressure water mist** – We have protected airport data centres and emergency power generators. In a fire situation, these systems use minimal amounts of water which results in less clean up time and faster re-instatement of the airport's operations.

// **R102 Kitchen Fire Suppression systems** – These systems protect airport restaurants, cafeterias and fast food retail outlets. They are the fastest and most effective means of fighting hot oil and grease related fires. There is "No Post Fire" contamination or environmental issues with these systems.

// **INERGEN® gaseous fire suppression systems** – We have used these systems to protect Air Traffic Control centres, Active Traffic Management Control Centres (ATMCCs) and "business critical" electronic infrastructures. INERGEN is totally safe for humans operating within Non Immediate Evacuation Areas (NIAs). It also does not produce any toxic by-products as a result of a fire. These factors also ensure that highly valuable and sophisticated electronic equipment is not harmed by INERGEN®.

// **Foam systems** – We have used low, medium and high expansion fixed fire fighting foam systems to protect the buildings, and the aircraft within them, from the threat of fire. Our foam systems are employed in every major civil and military aircraft hangar in the world.



Recent UK airport projects include:

- // Bentwaters – Military
- // Birmingham International Airport
- // Edinburgh Airport
- // Glasgow Airport
- // John Lennon Airport - Liverpool
- // Leeds Bradford Airport
- // London – Gatwick
- // London – Heathrow
- // London Heathrow – Terminal 5
- // Manchester International Airport
- // Mildenhall – Military
- // Newcastle Airport
- // Norwich Airport
- // RAF Lakenheath – Military
- // Rhoose Airport – Cardiff
- // Woodbridge – Military
- // Woodford (Manufacturing)

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