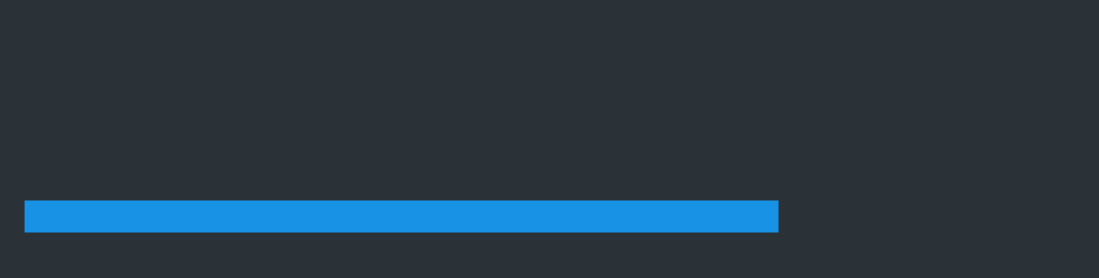
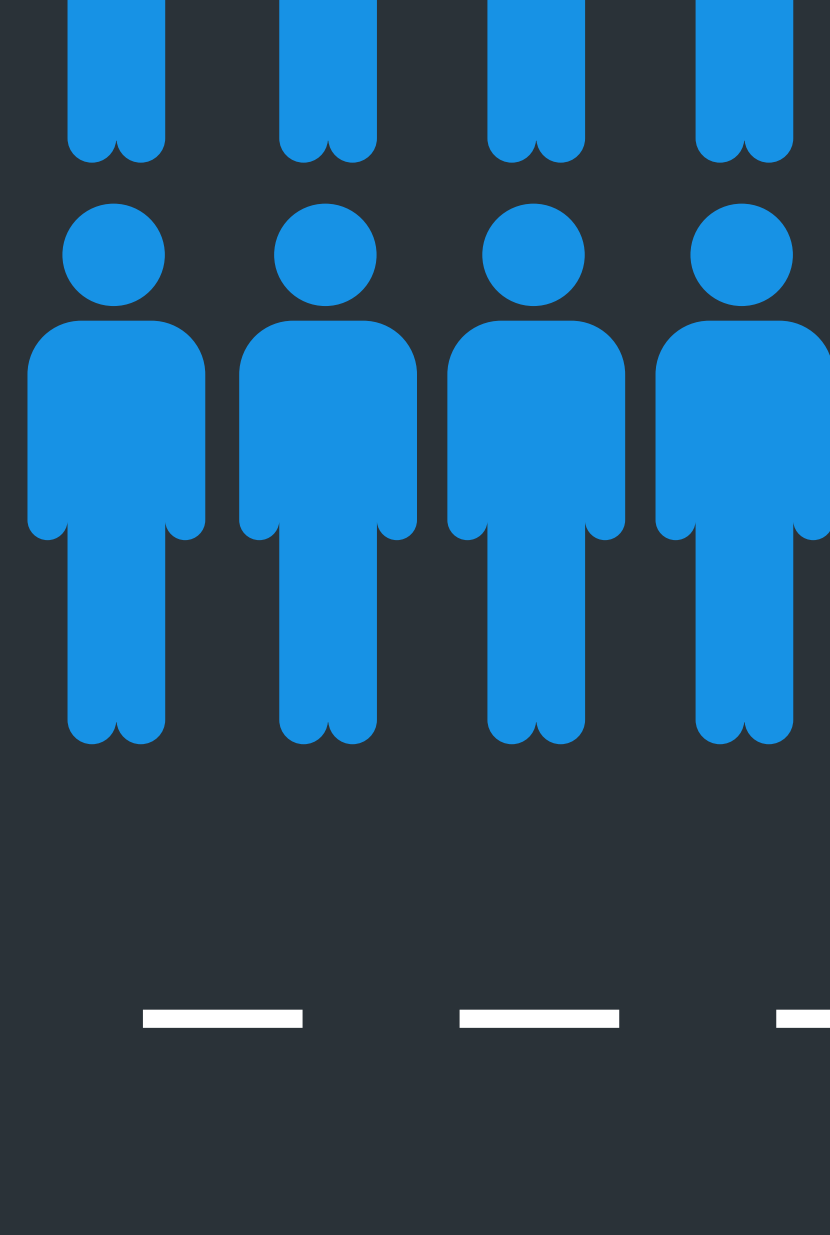


WHY ADVANCED SMOKE DETECTION MATTERS IN TODAY'S BUSY AIRPORTS

AIRPORTS ARE BUSIER THAN EVER BEFORE

8.8B
AIRPORT PASSENGERS IN 2018¹

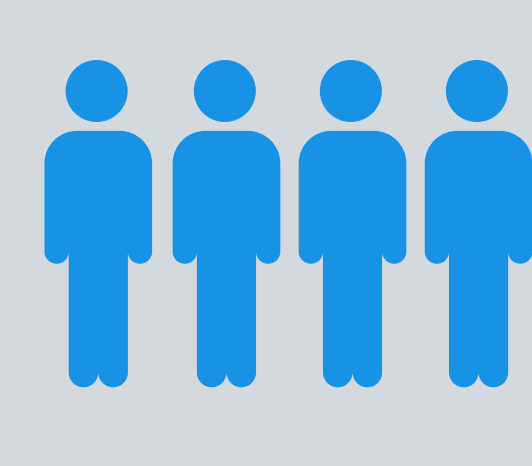


21B
ESTIMATED AIRPORT PASSENGERS IN 2040²

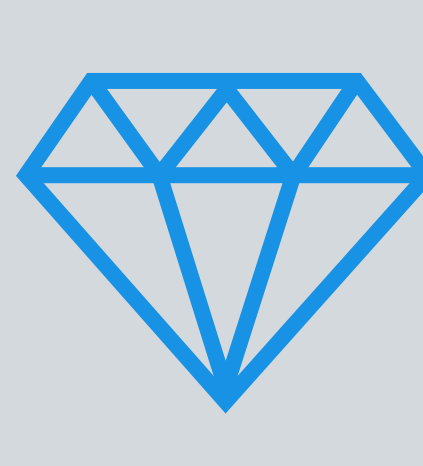
\$137B
INVESTED IN AIRPORTS IN 2019³



AIRPORT FIRES POSE A REAL THREAT TO



PEOPLE



ASSETS

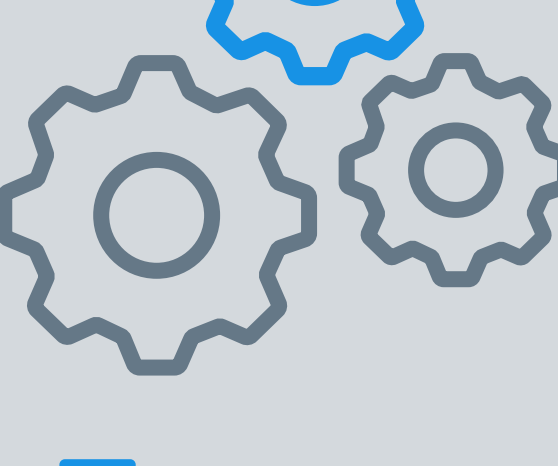


BUSINESS CONTINUITY

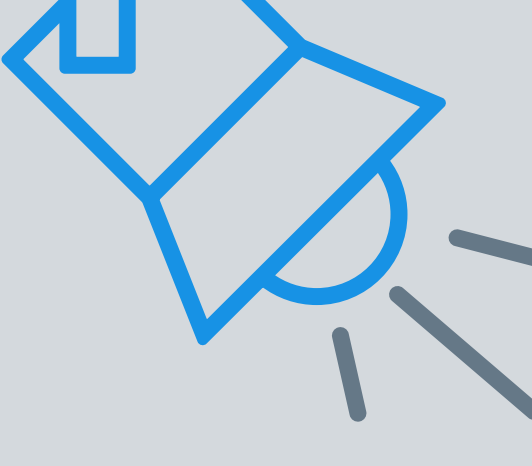
TYPICAL FIRE HAZARDS INCLUDE



ELECTRICAL EQUIPMENT FAILURE



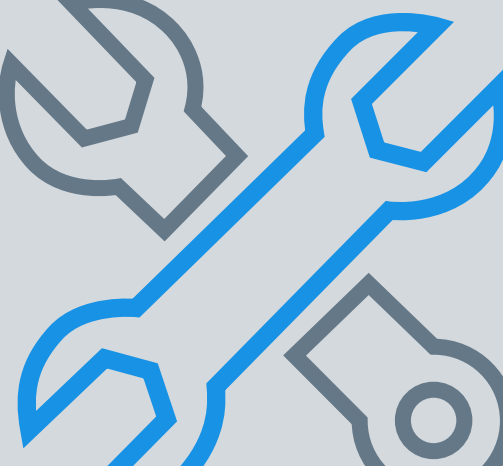
MECHANICAL EQUIPMENT FAILURE



LIGHTING FAILURE



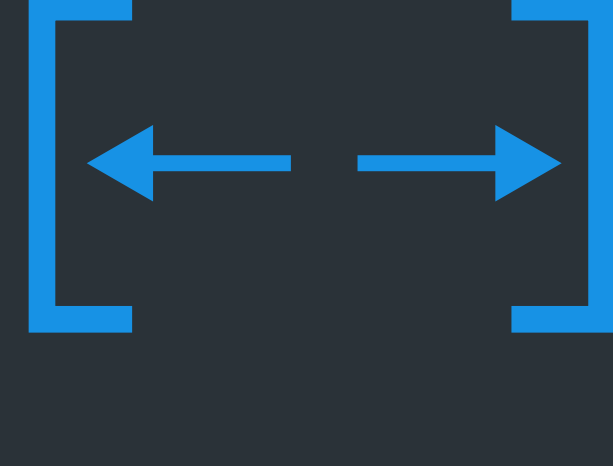
FLAMMABLE LIQUIDS AND GASES



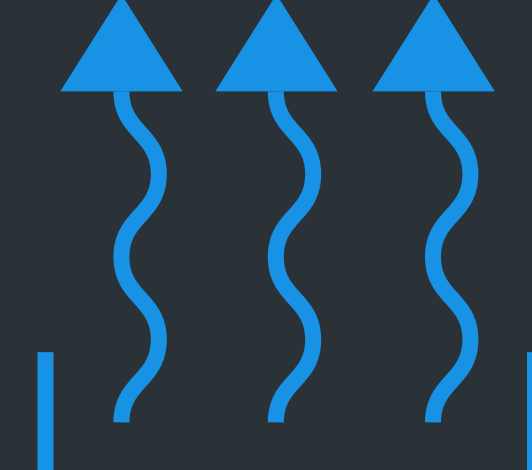
MAINTENANCE WORK INCLUDING HOT WORK

TYPICAL CHALLENGES TO EARLY FIRE DETECTION

HIGH SMOKE DILUTION/ DISPERSION (LARGE OPEN SPACES)



SMOKE NOT REACHING HIGH CEILING (THERMAL STRATIFICATION/ LATERAL MOVEMENT)



ERRATIC SMOKE MOVEMENT DUE TO CHANGING AIRFLOW CONDITIONS (HVAC SYSTEMS, CONVEYERS)



FIRE STARTING IN CONCEALED LOCATIONS (CEILING VOID, ELECTRICAL CABINETS)



NUISANCE ALARM SOURCES (STEAM AND SMOKE FROM KITCHENS, EXTERNAL POLLUTANTS)



4 STEPS TO DESIGNING AN AIRPORT SMOKE DETECTION SYSTEM

1. COMPLY WITH THE LATEST INTERNATIONAL/ NATIONAL STANDARDS
2. ADOPT PERFORMANCE-BASED DESIGN
3. CHOOSE THE RIGHT SMOKE DETECTION TECHNOLOGY
 - POINT-TYPE
 - BEAM
 - ASPIRATING
4. CONSULT A TRUSTED SUPPLIER TO OPTIMIZE YOUR SOLUTION

TO FIND OUT MORE ABOUT THIS TOPIC DOWNLOAD THE ULTIMATE GUIDE TO ADVANCED FIRE DETECTION AND SAFETY IN AIRPORTS: RISKS, REGULATIONS, DETECTION OPTIONS HERE.



1 <https://abc.com/news/2019/09/16/global-airport-traffic-report-shows-passenger-growth-resilience-despite-global-uncertainty/>
2 <https://abc.com/news/2019/09/16/global-airport-traffic-report-shows-passenger-growth-resilience-despite-global-uncertainty/>
3 <https://centreforaviation.com/analysis/airline-leader/major-airport-construction-projects-that-will-come-to-fruit-in-2019-or-the-following-years-457946>