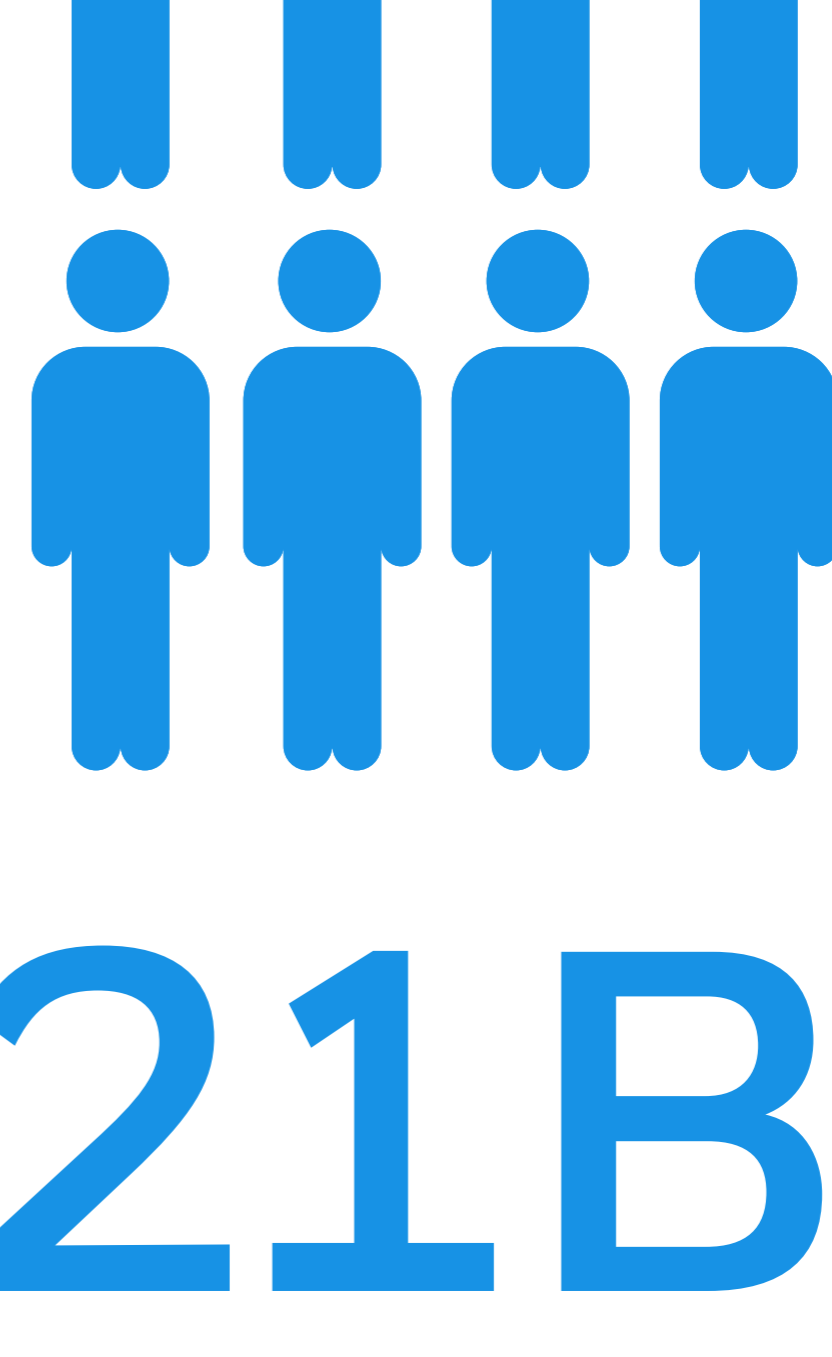


WHY ADVANCED SMOKE DETECTION MATTERS IN TODAY'S BUSY AIRPORTS

AIRPORTS ARE BUSIER THAN EVEN BEFORE

8.8B
AIRPORT PASSENGERS IN 2018¹

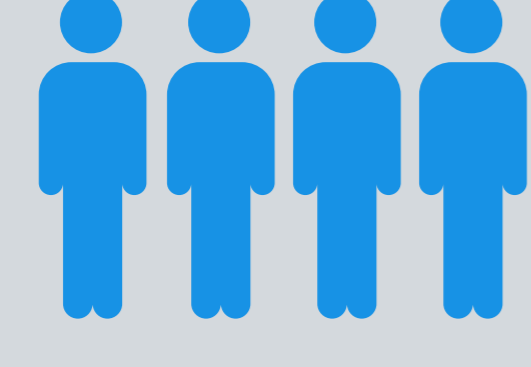


21B
ESTIMATED AIRPORT PASSENGERS IN 2040²

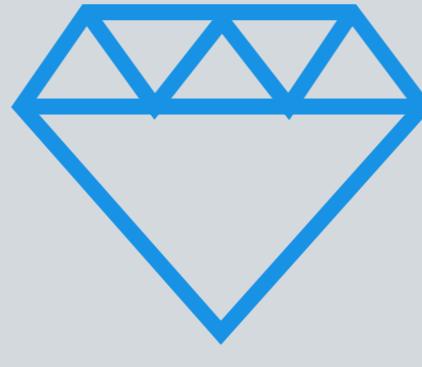
\$137B
INVESTED IN AIRPORTS IN 2019³



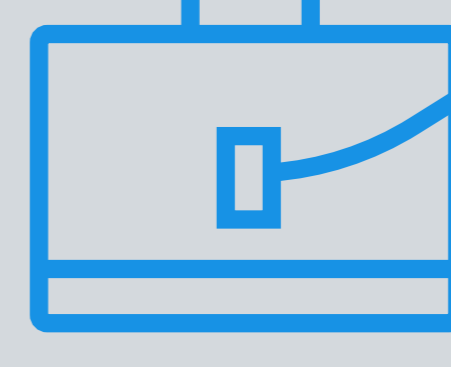
AIRPORT FIRES POSE A REAL THREAT TO



PEOPLE



ASSETS



BUSINESS CONTINUITY

TOP 5 SOURCES OF WAREHOUSE FIRES

1

ELECTRICAL EQUIPMENT FAILURE



2

MECHANICAL EQUIPMENT FAILURE



3

LIGHTING FAILURE



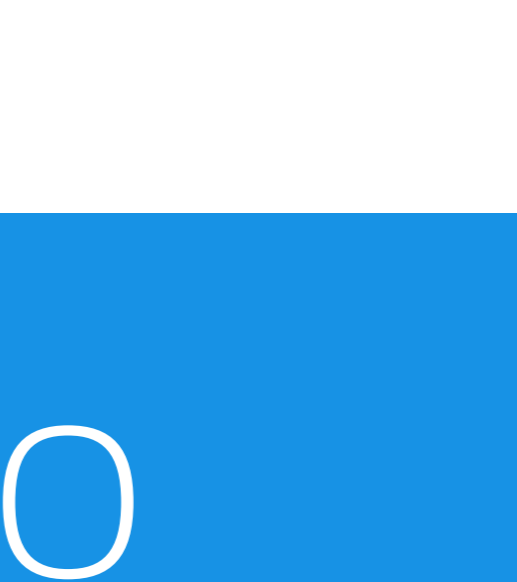
4

FLAMMABLE LIQUIDS AND GASES



5

MAINTENANCE WORKS INCLUDING HOT WORK



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)



CONCEALED LOCATIONS
(CEILING VOID, ELECTRICAL CABINETS)



NUISANCE ALARMS
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.

¹ <https://ceasr.com/2019/09/16/aci-world-airport-traffic-report-shows-passenger-growth-resilience-despite-global-uncertainty/>

² <https://ceasr.com/2019/09/16/aci-world-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>