



FIRE PROTECTION CONSULTANTS



Dubai International Airport



INDUSTRY: Transport
SERVICE: Engineering and Consultancy
LOCATION: Dubai - UAE
PERIOD: Start in 2005 – Completion in late 2006
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Terminal 1 (Sheikh Rashid Terminal or Concourse 1) - The terminal is 0.8 km in length and connects to the check-in area by a 0.3 km underground tunnel. Terminal 1 comprises of five levels; housing the Dubai Duty Free, Arrival & departures gates, airport hotel, business centre, health club, exchanges, dining and entertainment facilities.

PROJECT GOAL AND SCOPE

- Technical review of the existing life and fire safety and smoke management systems.
- Evaluation and recommendations report, based on CFD smoke simulations undertaken for credible fire scenarios, covering Terminal 1 (Sheikh Rashid Terminal or Concourse 1) and the passenger underground tunnel.

BUSINESS NEEDS

- Review and assessment of existing Smoke Management Systems with respect to deviations from the original Smoke Management study, completed by others, and the overall impact of the deviation on related L&FS Systems.
- Ensure Safe Environment for airport occupants.

BUSINESS BENEFITS

- Ensure safe occupants evacuation in case of fire, before untenable conditions due to the smoke occurs.