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# South and South West Region Shopping Centre Management Conference 2009

*Preparing for the upturn*

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# Tim Gates

## *Hampshire Fire and Rescue Service*

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# Shopping Centre Fire Safety



for Management



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## West Quay

WestQuay is a £295 million development incorporating 100 retailers, including John Lewis and Marks & Spencer, 50 fashion stores and 19 places to eat, drink and relax on a 33 acre site.

The centre's total retail space is 74,500 sq m (800,000 sq ft), five times the size of a football stadium!



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# Presentation Content

Shopping Centre Fire Safety Design

Fire Safety Features

Common Failings

Fire Safety Order

Responsible Person Duties

Fire Safety Audits

Enforcement

Open Forum



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# Shopping Centre Fire Safety Design

It is essential that Centre Management understand  
the Fire Engineering Principles

- Protect themselves and shoppers from fire
- Prevent unnecessary fire damage to the Shopping Centre



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Build to BS5588 part10

Sprinklers

Smoke Extraction

Fire Partitioning

Detection

Alarms Systems

Fire Service Vehicle  
Access Road

Dry Risers

Fire Fighter Shafts

**A Package of  
Fire Safety  
Engineering**



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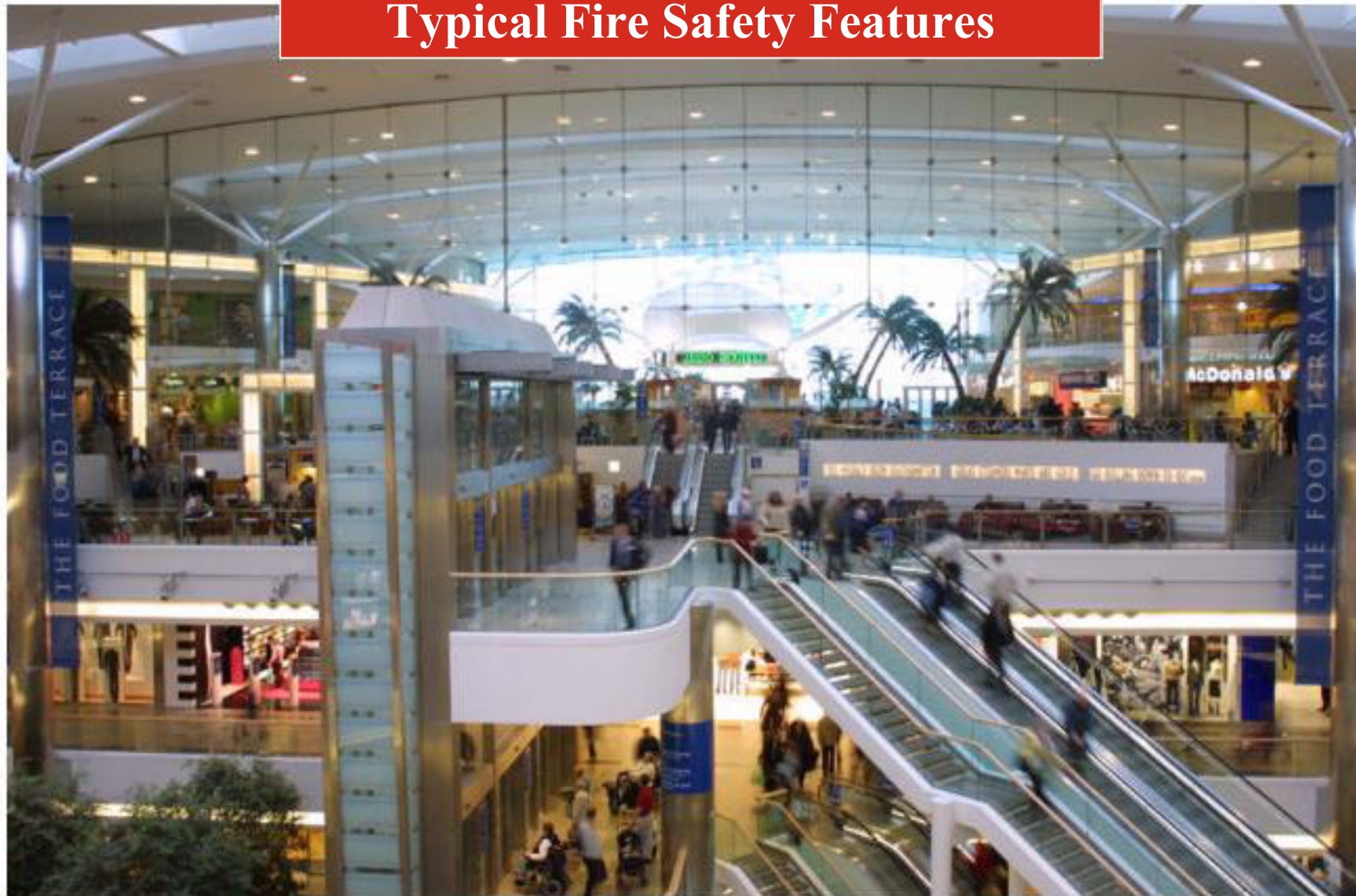
# Fire Strategy



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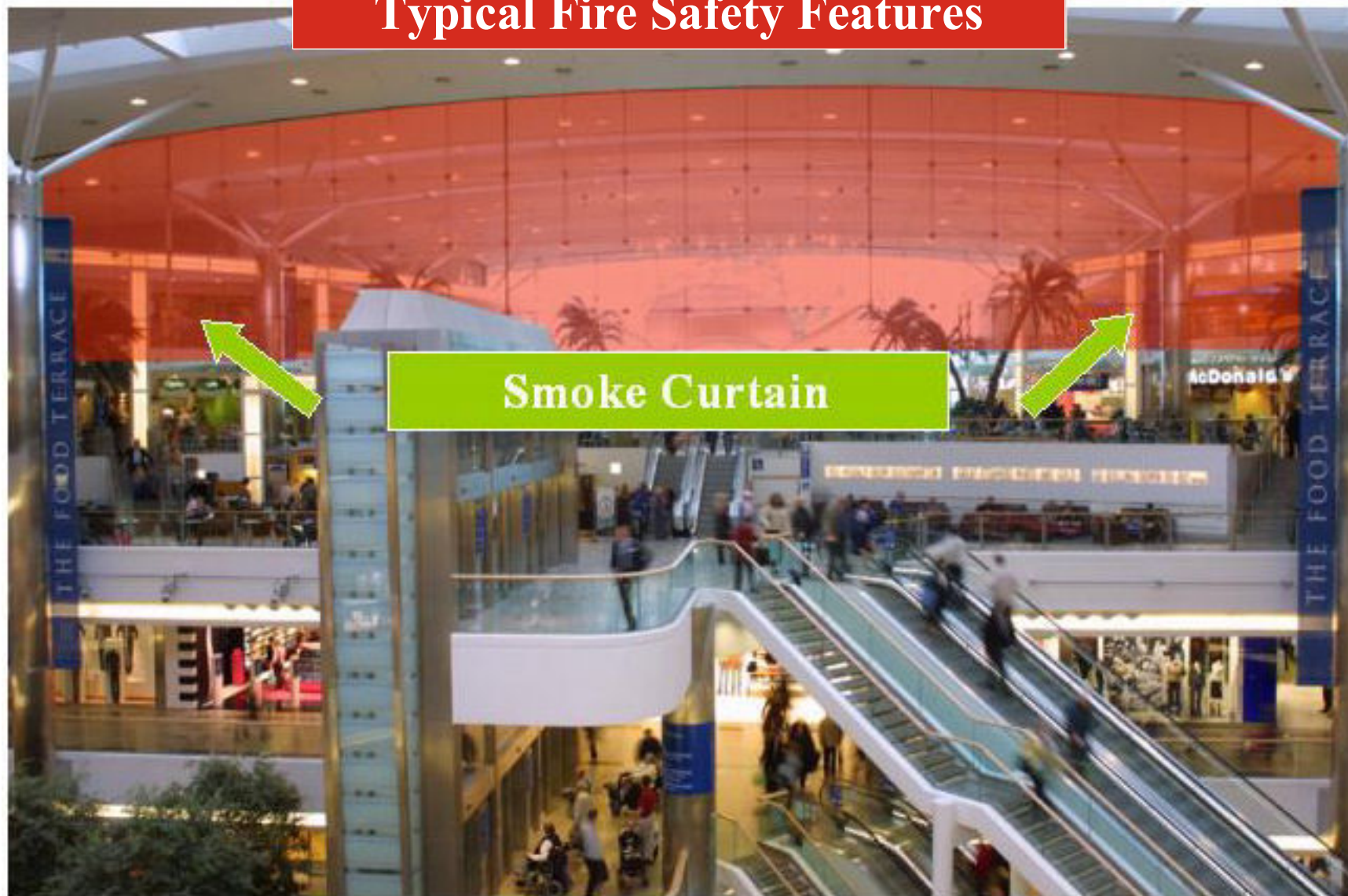
# Typical Fire Safety Features



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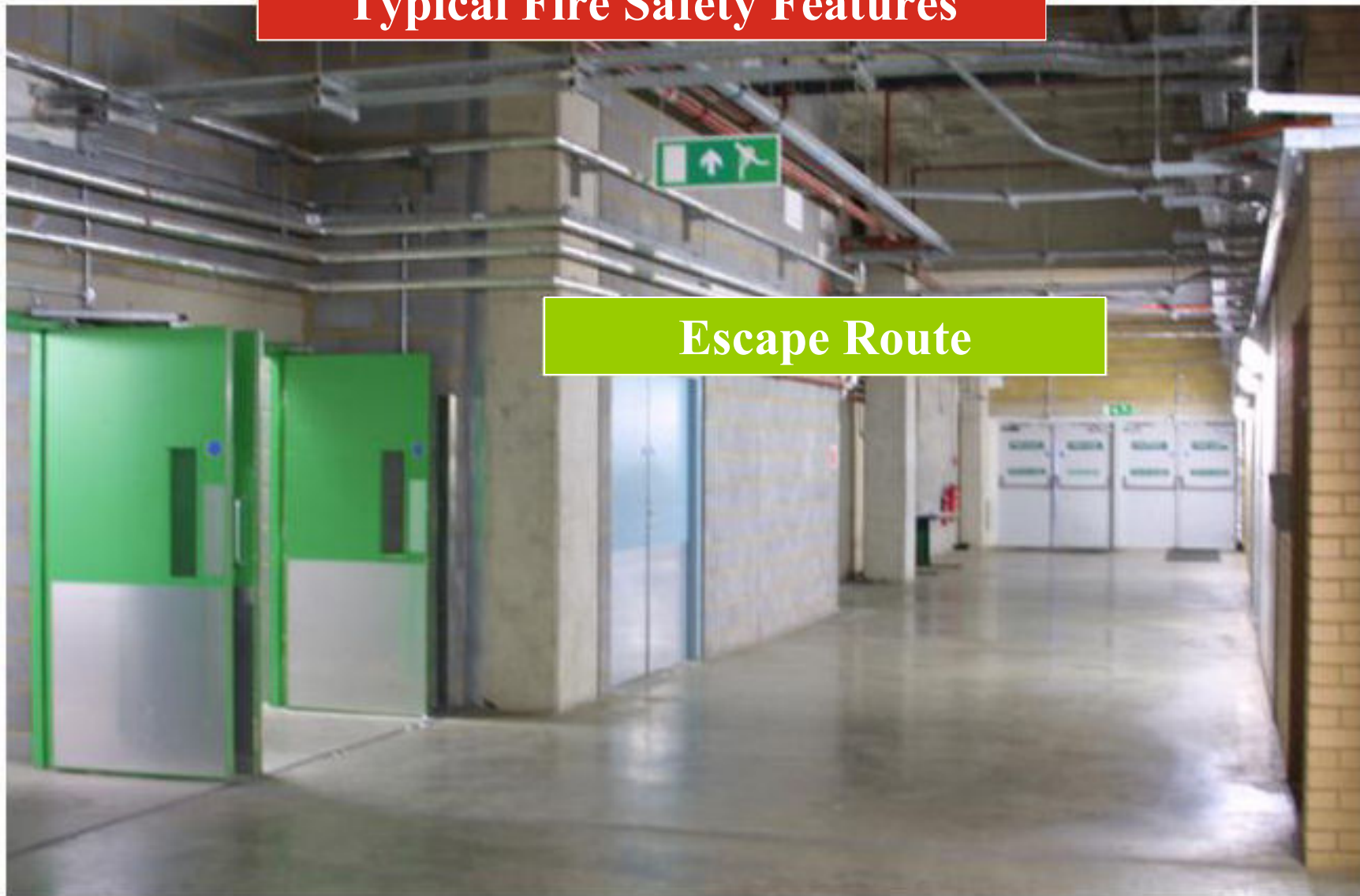
## Typical Fire Safety Features



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## Typical Fire Safety Features



Escape Route



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## Typical Fire Safety Features



Escape Stairs



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# Typical Fire Safety Features



Fire Shutter



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# Typical Fire Safety Features

## Control Room

Security Staff

CCTV

Tannoy

Emergency  
Procedures



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# Typical Fire Safety Features

Control Room

Alarmed Zones



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# Common Failings



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# Common Failings

**Limited Understanding of Fire Strategy**

**Limited Understanding of Fire Engineering in The Shopping Centre**



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# Common Failings

## Means Of Escape Problems

- Describe Units with a front entrance and rear exit
- Emergency Escape Route  
Fire Door - CLEAR at all times  
Main Escape Route –The Mall
- Rear Entrance / Emergency Exit corridor should be sterile area free from cages and stock obstruction.
- **Fire Brigade** access



# Common Failings

## Limited Understanding of Sprinklers



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