

SERCO International Fire Training Centre

Durham Tees Valley, UK



Fuel Spill, Jet Engine & Undercarriage Fires



CAT-7 Mock-up View



CAT-10 Section (Cut View)

Aircraft FIRETRAINER® A-50

This is the world's first CAT-10 aircraft fire simulator! The mock-up is a combination of an A380 front and B767 rear section.

- 17 Fire Places
- 3 Decks (2 Passenger Decks, 1 Cargo Deck) in the CAT-10 section
- Dual Fuel Capabilities
- Starboard Split Wing
- Lightweight Mobile Access Stairs For Both Fuselage Sections
- Search & Rescue Training

The fuselage is in a “crashed aircraft” configuration with a simulated major fuselage split.

Delivered: October 2007

Fueled by: LPG, Kerosene & Carbonaceous

Overview:

CAT-10 Mock-up Section:

- Section for Search & Rescue Training operations
- Detailed Mock-ups of A380 Internals
- Heat and Smoke Generators on All Decks
- Extract Ventilation System

CAT-7 Mock-up Section (Internal Fires):

- Carbonaceous Fueled:
 - Lavatory Fire
 - Galley Fire
 - Seat Fire
 - Overhead Locker Fire
 - Cargo/ULD Fire

- Heat Crib Fire

CAT-7 Mock-up Section (External Fires):

- LPG or Kerosene Fueled:
 - Starboard Jet Engine Fire (Thruster & Compressor)
 - Starboard Undercarriage Fire (Wheel & Oleo Strut)
 - Starboard 6 m² Fuel Spill
- LPG Fueled Only:
 - Port Jet Engine Fire (Thruster & Compressor)
 - Port Undercarriage Fire (Wheel & Oleo Strut)
 - Tail Engine Fire
 - APU Fire
 - Port 6 m² Fuel Spill



Fuel Spill (Starboard)



Jet Engine Fire (Compressor)



Undercarriage Fire (Wheel)



APU Fire



Undercarriage Fire (Oleo Strut)



Tail Engine Fire



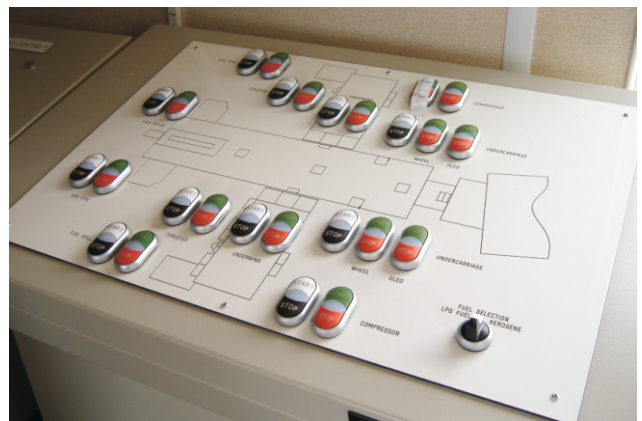
Jet Engine Fire (Thruster)



Search & Rescue Training



Passenger Deck



Control Station