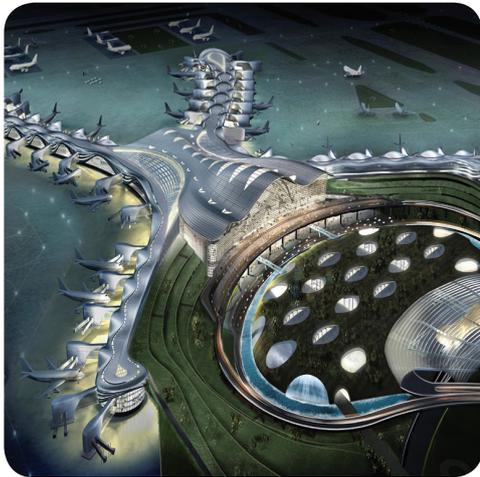


# Polypipe's Terrain Pleura makes ambitious design a reality in Abu Dhabi

Polypipe's Terrain Pleura provides innovative ventilation solution for Abu Dhabi Airport Expansion



Abu Dhabi International Airport is one of the fastest growing airports in the world. The 700,000 square metre building is one of the most crucial projects undertaken in Abu Dhabi and the United Arab Emirates and is scheduled to complete in 2019.

Expected to handle 27-30 million passengers each year, the ambitious design required a robust, reliable and environmentally friendly drainage and ventilation solution that would eliminate bad odors whilst avoiding a need for unsightly open venting through the roof.



Easy to install and cost effective, the innovative Terrain Pleura system was chosen thanks to its specific technology which balances the internal air within a drainage system, protects water trap seals and minimises unpleasant drainage smells.

The Terrain Pleura is an accepted alternative to conventional branch and stack venting. With localised active ventilation of the building drainage system it has been proven that the Terrain Pleura provides greater protection to prevent induced and self-siphonage of the fixture traps.

The Terrain Pleura is typically used as an alternative to extending vent pipes through the roof or side wall, and by avoiding the need for unsightly roof penetrations, the Terrain Pleura system helped turn the ambitious and impressive design of Abu Dhabi's International Airport Midfield into a reality.

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With technical expertise and experience of similar projects including Ferrari World in Abu Dhabi, Nation Towers in Abu Dhabi and D1 Tower in Dubai, Polypipe was the ideal choice for this major project.

## CASE STUDY

### Project

Abu Dhabi Airport Expansion – Midfield Terminal

### Client

Abu Dhabi Airports Co (ADAC)

### Lead consultant

Aecom

### MEP Consultant

Arup Consultants

### Main Contractor

#### Joint Venture:

Arabtec Construction  
Consolidated Contractors  
International Company  
Tepe Akfen Ventures

### MEP Contractor:

Al Habtoor Leighton (HLG) (Dubai)

### MEP Contractor

#### Joint Venture:

Power Transmission Gulf  
China State Construction  
Engineering Corporation  
Emirates Falcon  
Electromechanical (EFECO)

### Application

Drainage Ventilation System

### Products

Terrain Pleura