

24 Project Profile

Client:

*Government of Dubai
Department of Civil
Aviation (DCA)*

Project Management by
DCA in conjunction with
consultants:

*ADP.i Architects–
Engineers-Planners
&
dar al – handasah
Shair & Partners*

Dubai International Airport Expansion Programme

When planning began in 1997 for the future development of the Airport, projected passenger numbers of 9 million were forecast to be reached over the next decade.

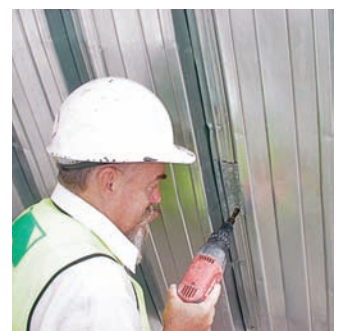
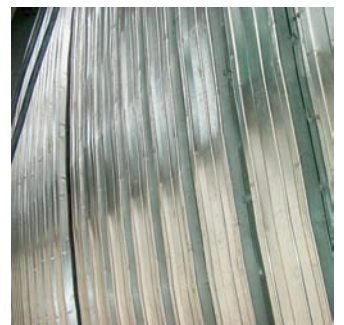
Within seven years this figure had more than doubled to reach 21 million by 2004 and is now expected to reach 60 million by 2010.

The expansion program is catering for 70 million and aims to make Dubai the world's premier gateway for the Airbus A380.

Dubai's status as the region's major transit hub could see 100 airlines flying to 160 destinations worldwide

The US\$4Billion second phase expansion program includes the construction of Terminal 3 and concourses 2 and 3, plus the upgrade of existing terminal 2. All scheduled for completion next year.

Emirates Airlines has 58 of the new A380 Aircraft on order with the first due for delivery in 2007, Concourse 2 will have gates configured for this aircraft and a further 18 in Concourse 3. Oversize seating areas and double deck Airbridges will handle the 500+ passenger numbers per flight.



Concourse 2 is in advanced stages of construction and planning is well advanced for construction on Terminal and concourse 3

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Contract package AX323 is for External Envelope and Cleaning and Washing System - Concourse II.

Chadwick is contracted to Al Abbar Aluminium which has this total package –

Chadwick scope includes the following: Design, Engineer, Supply, Fabricate and Install the following elements

- ▶ Structural roof decking to primary structural steel frame
- ▶ Sub- purlins
- ▶ Bulk Insulation
- ▶ Gypsum board mass layer
- ▶ EPDM Vapour Barrier
- ▶ Colour coated Standing seam roof system
- ▶ White EPDM Gutter Lining
- ▶ Stainless Steel rainwater Products
- ▶ Skylights
- ▶ Stainless Steel Structural Rails for washing gantries
- ▶ Aluminium Smoke Ventilation System
- ▶ Aluminium Grated walkways

Plus Design, Engineer and Install Pre-finished Composite Aluminium outer Screen cladding supplied and Fabricated by Al Abbar.

Additional elements of the Al Abbar Package include

- ▶ Pre-Cast concrete panels
- ▶ Architectural/Structural Glazing
- ▶ Intumescent Spray to Structural frame
- ▶ Auto Aluminium doors
- ▶ Aluminium Windows
- ▶ Aluminium Storefronts
- ▶ Sundry Interfacing with other trades

Concourse II is 980 metres long and has a roof area of almost 80,000 m2. In addition to the 27 gate lounges it will include a 300 room hotel, Duty Free shopping outlets and eateries. The arrivals area will incorporate large capacity baggage handling facilities and extensive customs and immigration functions

Over 1,000,000 Powers self drilling screws have been used and specified for this project. Powers Fasteners Screws with the Alzin Class 3 and Class 4 coating was requested and applied here in Australia.

SD Bugle C3, SD Hex Fine C4, SD Hex Coarse C4, SD Hex No 5 Fine C4, Grd 316 S/S Sleeve Anchors

