



Structural – Dubai International Airport Expansion



Project details:

The project involves the construction of a new concourse at terminal 3 as a part of the Dubai International Airport Expansion scheme. The new concourse will comprise 27 gates (of which 18 will be dedicated to accommodate the new Airbus A380 aircraft), a 250 room airport hotel as well as retail facilities covering an area of approximately 12,000 square metres (sq. m.). It will be linked to concourse 2 and the other terminal via the airport's dedicated people mover system. The building will be 90 metres wide and 645 metres long, covering a total built-up area of approximately 528,000 square metres (sq. m.). It will also have stations for the Automated People Movers (APM) system which will be partially underground. Lytag LWA concrete was used in the floors to the concourse areas in order to reduce loading and provide the ability to increase floor space in the lower ground areas by reducing the number of support columns.

Concrete was supplied readymixed and was a LC40/44 with a density of 1850kg/m³

Project:

Dubai International Airport Expansion project – New concourse at terminal 3

Date:

2010

Client:

Dubai Department of Civil Aviation

Architect:

Dar al-Handasah (Shair & Ptns)
- Aeroports de Paris (AdP)

Structural Engineer:

Dar al-Handasah (Shair & Ptns)
- Aeroports de Paris (AdP)

Main Contractor:

Al Naboodah Contracting LLC

Readymix supplier:

CEMEX TOPMIX

