

Dubai Cargo Village at DIA

Mega Terminal, Car Park and Connecting Bridge

United Arab Emirates



Client

Department of Civil Aviation.

Services Provided

- Master plan review
- Design and construction documents
- Design review
- Supervision of construction
- Project management

Dates

1998- 2006

Project Data

- Total site area: 56 ha
- Cargo-handling capacity forecasts: 1.2 million tons by 2007, 2.4 million by 2012 and 3.6 million by 2015 at the ultimate phase
- Support services including expansion of agency facilities with a multi-storey car park and a connecting bridge
- First phase of the new multi-level mega terminal capacity : a built-up area of 115,000 m² to handle 1.2 million tons/year
- Construction cost (2003):
 - US\$ 140 million for the mega terminal excluding cargo handling equipments
 - US\$ 143 million for other facilities

Background

To maintain Dubai's reputation as the ideal Middle-East hub for sea-to-air and air-to-air shipments and significantly increase the cargo-handling capacity over the next 10 years, Dar has been commissioned to develop a long-term growth plan up to and beyond the year 2018 for upgrading and constructing new cargo facilities.



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dar al-handasah
shair and partners

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Main Features

- The new building (terminal 1) is the first of three buildings that comprise the mega terminal, which consists of four independent modules customized to provide different cargo handling functionalities
- Each module is designed to operate as a stand-alone system and will have two levels for cargo handling activities plus additional upper levels for cargo storage. All levels have access to the ULD storage system (PCHS) and the consigned storage system (ASRS), which is horizontally interconnected with each adjacent module
- The multi storey car park accommodates the agent facilities with a 600-car total parking capacity, outfitted with a concession floor and the 35,000-m² connecting bridge
- Special storage requirements for perishables, valuables, dangerous goods, animals, and other cargoes are located at a central location convenient for both export and import
- Battery charging and maintenance shops are also located centrally
- All offices for cargo, customs, security and airlines are located above the loading docks
- In addition to the first phase of the cargo terminal and related administrative offices, other amenities are incorporated within the projected growth scenario: agency facilities; garbage collection sheds; service plant; apron and taxiway; landside roads; service areas

