



King Abdul-Aziz International Airport

Jeddah, Saudi Arabia

New Terminal Development and Baggage Handling System

General Authority of Civil Aviation (GACA) | 2016

The expansion of King Abdulaziz International Airport in Jeddah involves a new 640,000 m² passenger terminal and associated buildings to increase the airport's capacity to 30 million passengers each year. The airport expansion is needed as Saudi Arabia seeks to meet demand from religious tourism to the holy city of Mecca.

BNP has been retained by engaged by Saudi Binladen Group to provide consulting services for the new Baggage Handling System at the new passenger terminal.

The new baggage handling system consists of 100 check-in conveyors serviced by 100 drop lifts to transport the bags from the departures level to the ground floor level. Bags are first identified and then processed through a centralized security screening system using European Standard 3 EDS equipment before being transported on the ICS to their assigned make-ups in the central pier. Transfer inputs are located at both ends of the central pier to take all transfer bags and process them through security screening before delivery to the make-ups. Early bag storage is provided in the central pier with high-capacity stacked crane modules. International arriving bags are transported on the ICS from the International Hub to be delivered to the Customs screening and the reclaim carousels. Domestic arrivals subsystems provide service for delivery of the bags to the domestic reclaim units.



ASSOCIATES, INC.

BNP PROJECT TEAM

Damien Breier, Principal
Felix Rosbergen, Project Director

TOTAL CONSTRUCTION AMOUNT

Approx. EUR 135 Million

TOTAL CONSTRUCTION AMOUNT

US \$7.2 Billion

REFERENCE

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SCOPE OF SERVICES

Analysis Study
Conceptual Design
Design Development
Ergonomic Improvements
Bid Documentation
Construction Administration
Testing & Commissioning