



AL MAKTOUM INTERNATIONAL AIRPORT

Dubai, United Arab Emirates

New Terminal Baggage Handling System

Dubai Aviation Engineering Projects (DAEP)
2016 – Projected Completion 2025

Al Maktoum International Airport is anticipated to be the largest airport project in the world. The first phase includes a main terminal and two satellite buildings (Concourses 1 and 2) with capacity for 120 million annual passengers. The airport will accommodate 100 A380 aircraft at any single time at each concourse. The entire development will cover an area of 56 square kilometers. More than its size, the new airport's uniqueness lies in a radically new approach to ensure that the latest technology and efficient processes will cut time spent completing travel formalities and reduce walking distances, thus enabling passengers to make fast and efficient connections between hundreds of destinations across the world. This equally forces the baggage handling system to undertake revolutionary ideas by incorporating various technologies into the airport. The baggage handling system allows passengers to separate from their bags as early as possible, while airport operators can process bags in faster, more efficient, and automated manner.

BNP has been hired as the lead baggage handling system designer as part of the Dar Al Hadassah (DAR) Group hired by the owner, Dubai Aviation Engineering Projects (DAEP). As part of our design task, BNP engineered a concept design for the West Terminal Building (WTB), and two Phase 1 concourses. During preliminary design, BNP worked in close coordination with DAR to resolve any design clashes using BIM systems, advise on system design requirements, and assist in incorporating the baggage handling system efficiently into the building to meet operational requirements and minimize connection times based on all available baggage handling system vendor technologies.

BNP has assisted throughout the tender process with preparation of contract documents such as specifications, drawings, and analysis reports. Additionally, BNP has provided technical tender review support throughout the procurement process. The project is expected to complete in 2025.



ASSOCIATES, INC.

BNP PROJECT TEAM

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REFERENCE

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SCOPE OF SERVICES

Analysis Study
Conceptual Design
Design Development
Tender Documentation