



INCHEON INTERNATIONAL AIRPORT

Seoul, South Korea

Phase 3 Baggage Handling System

Incheon International Airport Corporation (IIAC) | 2016 – 2020

Following the success of Phases I and II development at Incheon International Airport, Incheon International Airport Corporation (IIAC) continued to engage BNP to design the baggage handling system for Phase III development. This marked a 15-year professional relationship milestone between IIAC and BNP. IIAC has been using BNP exclusively for all their baggage system consulting services since 1997.

As part of the Phase III development, BNP was required to design the baggage handling system in the new Terminal 2 building and the baggage handling system connection between the existing Concourse A and the Main Terminal Building. BNP's services included demand analysis, conceptual design, detail design, general building and services coordination, and preparation of tender documents.

The baggage handling system comprises approximately 40 km of equipment including four tilt tray sorters, an individual carrier system (ICS), an ICS-based early baggage storage system with 3200 positions, 216 check-in positions, 22 make-up devices, 24 laterals, ten transfer input conveyors and ten dual feed claim devices. In addition, baggage screening is accomplished with more than 40 customs screening / advanced technology X-ray machines and 16 computed tomography x-ray machines. The ICS that forms the backbone of the baggage handling system also connects the new Terminal 2 to the existing Concourse A and Main Terminal Building.

Once completed, the combined handling capacity of Incheon International Airport will be 68 million annual passengers.



ASSOCIATES, INC.

BNP PROJECT TEAM

Damien Breier, Principal
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BHS CONSTRUCTION AMOUNT

US \$250 Million

REFERENCE

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SCOPE OF SERVICES

Conceptual Design
Detail Design
Contract Documents
Construction Management &
Supervision