



TAIPEI TAOYUAN INTERNATIONAL AIRPORT

Taipei, Taiwan

New Terminal 3 Baggage Handling System

Taoyuan International Airport Company | 2016 – 2020

BNP has been engaged by Taoyuan International Airport Company to provide consulting services for the new Baggage Handling System at the new Terminal 3 as part of Taoyuan International Airport expansion plans. BNP has been contracted for concept design, development of concept design, preparation of contract document and tender evaluation for the BHS.

The new T3 BHS is designed to handle the forecast demand of 45 million annual passengers. The new baggage handling system utilize belt conveyor and Tilt Tray Sorter (TTS) as the primary baggage handling technology. Originating and transfer baggage must undergo dangerous goods screening and security screening. Security screening is a 5 levels screening concept where ECAC standard 2, standard 3 and TSA approved screening machine are deployed.

The new Terminal 3 includes an automated early baggage store. The early bag storage operates on random access method to maximize the storage capacity within a minimum footprint constraint. Baggage is stored with the ICS trays in the racks, which offer approximately 3000 storage positions.

The system is designed to be able to transfer baggage between Terminal 1, 2 and the future Satellite regardless of their respective BHS technology.



ASSOCIATES, INC.

BNP PROJECT TEAM

Damien Breier, Principal
Ben Oon, Project Director

TOTAL CONSTRUCTION AMOUNT

US \$1.6 Billion

BHS CONSTRUCTION AMOUNT

US \$167 Million

REFERENCE

Mr. Philip Liao Chen Chih
Project Director – Facilities T3 Project
E: philiplcc2010@mail.taoyuan-airport.com

SCOPE OF SERVICES

Conceptual Design
Design Development
Contract Document
Bidding and Procurement
Project Submittal Review