



Kunming Changshui International Airport

Kunming, China

New Terminal 2 and Satellite 2

Yunnan Airport Group | 2020 – 2027 (Projected)

Kunming airport, China's gateway to south Asia and southeast Asia, targets to expand to handle 95 million annual passengers in 2030 and ultimately 120 million passengers in future. With the airport's capacity of existing Terminal 1 and Satellite 1, the new Terminal 2 (T2) will take on 42 million annual passengers in the design year and combined of 67 million annual passengers of T2 and S2. A Ground Transportation Center (GTC) will be built together with the terminal to provide services for passengers that connect via subway, highway, and railway.

BNP was engaged to carry out the design of the BHS for the new Terminal 2 and Satellite 2, including all new BHS systems and facilities, GTC baggage system connections, city check-in unloading platform system, and the inter-terminal system between T2 and S2.

The new BHS is an ICS-based system. The terminal is designed to be dual departure levels and dual arrival levels. Domestic and international bags are transported from check-in islands on different belt conveyor lines to the top loaders in accordance with Chinese customs regulations. Once bags are loaded onto carriers, they can share the routes. Check-in islands are provided in the GTC building where passengers from car park and public transportation can check their bags conveniently. City check-in bags are transported by subway carriage. An automatic roller platform system and connection with the main BHS system are designed for the city check-in bags at the T2 end.

BNP has been working with the architect for interface coordination. Simulation, tender documents, and construction support services for the new BHS will be provided by BNP in later stages of this project.



ASSOCIATES, INC.

BNP PROJECT TEAM

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SCOPE OF SERVICES

Concept Design
Design Development
Simulation
Contract Documents
Tender Review
Construction Stage Support