

Alcantarí Airport, Bolivia



Project data

Client: Prefecture and General Command of the Chuquisaca Department

Date: 2008

Country: Bolivia

Total investment: USD 90 million

Area: Airports

Main activity:

Project design and consultancy

Final Design Study of the Alcantarí Airport

Between January 2007 and April 2008 Prointec conducted a study and the subsequent Design for the extension of the Alcantarí Airport (Sucre, Bolivia), developing a Master Plan and a Construction Project for a demand of 500,000 passengers per year in Phase I and 900,000 in Phase II.

Within the preliminary study an alternatives evaluation and several feasibility studies were carried out (including topographical and geotechnical studies), to eventually build up a Master Plan comprehending the Outline Plan, Development Phases and Investments and Environment.

Later on, during the Project Design the following elements were considered:

- Infrastructure Design: Runway CAT I of 4,000 m long and 45 m wide, airfield with 5,047 m of taxiways and 23 m in width, aircraft parking apron of 96,105 m² of surface area, passenger terminal of 9,750 m², access roads from the existing road of 6 km long and a complete urban complex on the landside, including vehicle parking of 15,000 m², Control Tower of 30 m high and 450 m², as well as complementary buildings such as the Technical Bloc (450 m²), Fire and Rescue Service Building (400 m²), Cargo Terminal (375 m²), Power Plant, Transmitter Center, Maintenance Building and Ancillary Buildings (2,000 m²).
- Air Navigation: air procedures studies (instrument approach procedure charts, holding patterns, obstacles, etc.) and radio-electric aids (ILS-LOC, GP/DME, DVOR/DME).
- Funding: demand and market studies and funding management with international agencies.