



Glidepath delivers state-of-the-art technology at Cochin International Airport, India

Baggage Handling System with In-line X-ray Baggage Inspection System

Cochin International Airport Ltd. (CIAL) awarded Glidepath the contract to design, supply, install, integrate, test and commission the Baggage Handling System (BHS) for the International Terminal at Cochin International Airport, Nedumbassery.

The design included an In-line X-ray Baggage Inspection System (Level I, II, & III Screening System). It required an automated baggage handling system without any single point of failure. It also included a SCADA interface (GlideView) for easy maintenance and fault finding.

This project was a turnkey project. The design provided by Glidepath was the most technically advanced, cost-effective, simple to operate and maintain and the most efficient in all respects. Glidepath's design incorporated the latest state of the art technology and equipment in the project and utilised the latest technology available in the industry.

Installed system

The Installed BHS system contains two baggage-handling systems. The first BHS has 18 counters with a long feeder conveyor and scale conveyors and two counters with out a feeder conveyor and with

weighing machines. The second BHS has 14 counters with short feeder conveyors, measuring conveyors and scale conveyors and three counters with out feeder conveyors and with weighing machines.

The system contains two sets of baggage handling conveyors, mutually redundant in case of failure. The entire system is designed for parallel operation and 100% redundancy. There is no single point failure for the whole system. Hot standby arrangement is provided for servers, network components, storage, UPS power, etc. System takes care of all the security and safety aspects like rolling shutters for intruder prevention, safety shutdown, etc.

Each system has one Level I machine. Six workstations provide for Level II scanning for both systems. In addition, a management console has been provided. Level III area is a common area. There are three Explosive Trace detectors and a level II workstation. This has the additional feature of reviewing previous images of the baggage while it was passing through Level I machines.

System through put is 22 bags per minute (1300 bags/hour) and in redundancy mode is 16 bags per minute.



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