



KING SHAKA INTERNATIONAL AIRPORT Durban, South Africa 2008 - 2010

Baggage Handling System

Scope of Supply:

- 72 check-in, tag, and induction conveyers
- 32 Diverters
- 4 In-line EDS machines
- 1 In-line CT machine
- 2400 Meters of Conveyor
- 5 Multipath reclaim carousels

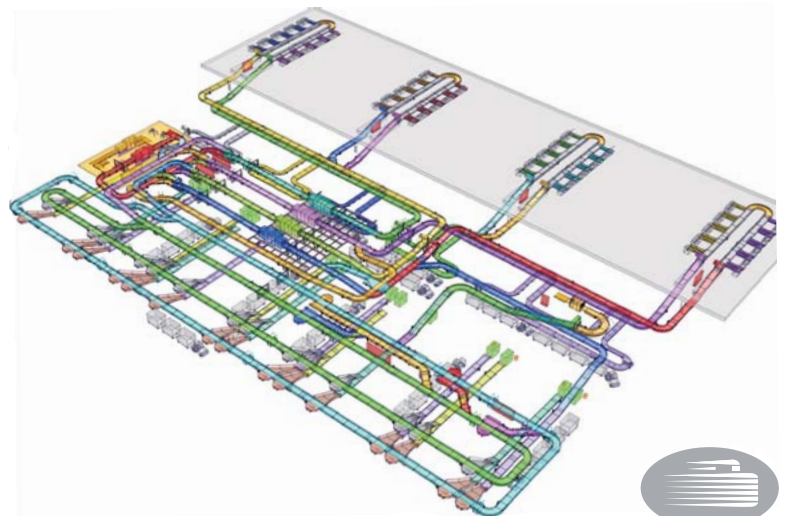
King Shaka International Airport (KSIA) in Durban, South Africa was designed by Osmond Lange Architects and Planners. It was built to accommodate the general increase in international air travel to the Durban region and became the primary airport serving Durban. The airport was opened in time to cater for the influx of visitors attending FIFA world cup in 2010.

The new airport terminal is part of a vast infrastructure project which also includes a new air cargo terminal, connecting motorways, a power station, waterworks and hotels.

Glidepath was selected to design, manufacture and install an inline checked baggage screening system. The entire project has taken 30 months to complete from design through to the commissioning phase.

The baggage handling system is comprised of more than 2400 metres of multilevel conveyors. The conveyors transfer baggage from the terminal check-in on the first floor, down to the main screening area which is suspended on a mezzanine platform, then down to the flight make-up area on the ground floor. With 72 check-in desks, the system can process more than 3000 bags per hour and 7.5 million passengers per annum.

There are four inline EDS screening machines, four vertical sortation machines and 32 diverters to process, screen and sort baggage to the appropriate flight make-up laterals. Any suspect bags are diverted to an inline CT machine for further processing. Many redundant features have been designed and built into the system so in the unlikely event of a breakdown, multiple conveyors can be reversed, bypassing the problem area.



glidepath

