

Client: TIB Development Bank Ltd
Value: US\$160,000
Services: Airport planning and design
Project Duration: Oct 2013 – July 2014

Tanzania Airport Upgrades

Feasibility Study for the Redevelopment of Arusha and Mwanza Airports

The Task

Gibb, together with Nurizon, was appointed to undertake a feasibility study for the redevelopment of Mwanza and Arusha airports in Tanzania. The objective of the study was to determine the technical, environmental and economic viability of existing airport development plans in relation to the forecasted demands for both airports. The two airports serve distinctive (and different) markets – Arusha caters for National Park tourism, with some scheduled traffic. Mwanza's economy, as a port city on the shores of Lake Victoria traditionally relied on fishing and agricultural industries, however fishing production and linked exports have declined significantly in recently years. Mwanza airport has scheduled flights from regional (international) destinations and tourist traffic for the Serengeti National Park.

A prior study by Sir Frederick Snow and Partners Ltd identified Arusha as a 'high-priority commercial airport requiring immediate improvement'. At the time of the FS publication, a 500m-long runway extension, cargo facility, dedicated cargo apron, and new ATC tower were being constructed at Mwanza.

Design Services

Previous studies, development plans) and traffic figures were reviewed for each airport. A market analysis exercise was undertaken to identify future traffic 'drivers' with development plans (short, medium and long-term) proposed for each airport to align with these forecasts. The feasibility study for Mwanza also focussed on the rationalisation and completeness of the projects which were underway at the airport, e.g. the specific driver/s for the cargo apron development and the aircraft used in the cargo apron's sizing; event,

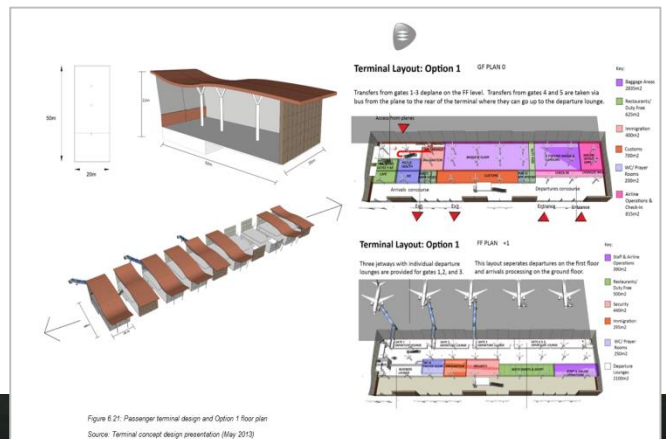
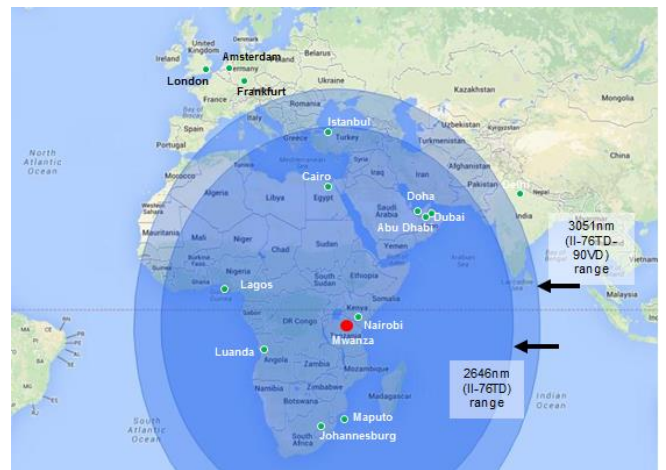


Figure 6.21 Passenger terminal design and Option 1 floor plan
Source: Terminal concept design presentation (May 2013)

