REFERENCE
Africa's most modern air-cargo-terminal

12 MONTHS FROM RECEIVING THE ORDER
TO THE OFFICIAL DEDICATION

Ethiopian
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Unitechnik
PERFECTION AUTOMATED.

ETHIOPIAN AIRLINES
ÄTHIOPIEN

Key data of the facility

Automatic ULD store with
  2 elevating transfer vehicle (ETV)
  200 storage places

Manual pallet store
  4377 shelf spaces

Cooled area with
  75 ULD spaces
  Store room for pallets
  Deep freeze rooms

104.000 tons of freight per annum

Freight hub for Africa

With a fleet of 24 aircrafts Ethiopian Airlines is the largest airline in Africa. The people responsible for the state-owned airline have set as their objective to establish Addis Abeba as the central freight hub for the African continent. In this respect the transport of perishable goods is playing an increasingly greater role. The indispensable requirement for trade with the industrial states is professional storage, perfect documentation and the swift transfer of perishable goods.

The computer controlled facility has a capacity of 104,000 tons of freight per annum. It has an automatic ULD warehouse with 200 spaces, of which 75 are cooled.

The input and exit of these aluminium containers, which have a weight of up to 6.8 tons is carried out by two automatic elevating transfer vehicles. The brain of the cargo terminal is the inventory control system (ICS).
The control system, which is based on the UniWare software platform administers all warehouse spaces and coordinates the automatic movements.

Scope of Unitechnik contribution

Control technology:
4 x Simatic S7-400
Profibus DP

Inventory Control System:
Cluster server
Gigabit-LAN and WLAN
Wireless fork lift truck terminals
AWB handling
Web connection with customs and SITA host in London (web services)

Control cabinets, assembly, commissioning, training, assistance in production

Overall responsibility:
ICM Airport Technics GmbH

Completion: 2006

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