UPGRADING NATIONAL AIRPORTS
With View to
Security and Facilitation

The Third
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This presentation aims to share with you the latest development in aviation security in the kingdom of Saudi Arabia while implementing new nationwide Integrated Security System in the entire Kingdom’s airports.

These initiatives will enhance both security and facilitation in all PTB’s as well as other airports’ facilities such as Cargo/Catering Buildings, ATC’s, Fuel Farms, etc.
Kingdom of Saudi Arabia occupies about \( \frac{3}{4} \) of Arabian Peninsula with a total Area of 2 M Sq. Km, and population of 28 M.

Geographically, as one of largest middle east countries, the kingdom is very good candidate for being a connecting point between east and west.
Saudi Arabia at Glance

- Saudi Arabia comprises of the two holy mosques, so Millions of Muslims come frequently to the kingdom exclusively to visits these two holy spots.

- Kingdom of Saudi Arabia has very strong economy as the World #1 Oil Producing and Exporting country and as a member of G20.
For all these reasons, Air Transport in Saudi Arabia is given great attention by Saudi officials.

Total of 27 Airports

✈️ 4 International Airports.
✈️ 8 Regional Airports.
✈️ 15 Domestic Airports.
Create a great move toward seamless aviation security through an advanced system that will ease and facilitate all security operations.

Airport upgrade includes replacing of all security equipment/systems with new (State of the Art) ones.

It also includes establishment of a sophisticated network that links all new systems in the same airport and links all airports’ systems to one unified location (National Control Center).
Security in our point of view

- Quality Control
- Personnel Training
- Smart Security Systems
- Integrated Security Solutions
- TARA Response

Aviation Security
Above References were used as upgrade standards

A nation-wide campaign has been performed for all airports

Gap Analysis Report
Airport Security System Elements

- Closed Circuit TV
- Security Check Points
- Hold Baggage System
- Security Access Control
- Perimeter Intrusion Detection

Airport Security Control Centre
Closed Circuit TV

- The system is based on IP technology to transmit video and pictures through airport Network.
- Consists of new different type of fixed and PTZ IP camera plus high resolution monitors.
- Installation is in accordance to approved criteria (location, type, etc.)
- Storage period is 6 Consecutive months
The system is designed to detect any attempted entry, identify the location and signal an alarm to a response force.

The system is used in conjunction with CCTV system.

The system is available 24/7 with no blinded spot.
Several equipment and methodologies

Sufficient length of the conveyor before and aft of X-ray M/C

CCTV full coverage
Hold Baggage System (HBS)

- 4 level of inspection
- Use of STD-3 high throughput screeners
- Enough time for operator to analysis
  And decide.
- Efficient tracking of the luggage.
- Redundant Design

LEVEL-1
LEVEL-2
LEVEL-3
LEVEL-4
STD-3 M/C

Device that get rid of explosive
Zoning: Areas and Boundaries

SACS capture and record all data.

Interfacing with CCTV, Fire System.

SACS System response to alarm.
National Control Center (NCC)

- NCC is located in GACA’s Headquarter and intended to oversight all airports on 24/7 Basis
- NCC serves also as a National Crisis Center

DATA from 27 Airports
National Control Center (NCC)

- Rest Areas
- Meeting Room
- Negotiation Room
- Press Conference
THANK YOU