



Engineering Consultations And Advanced Technology

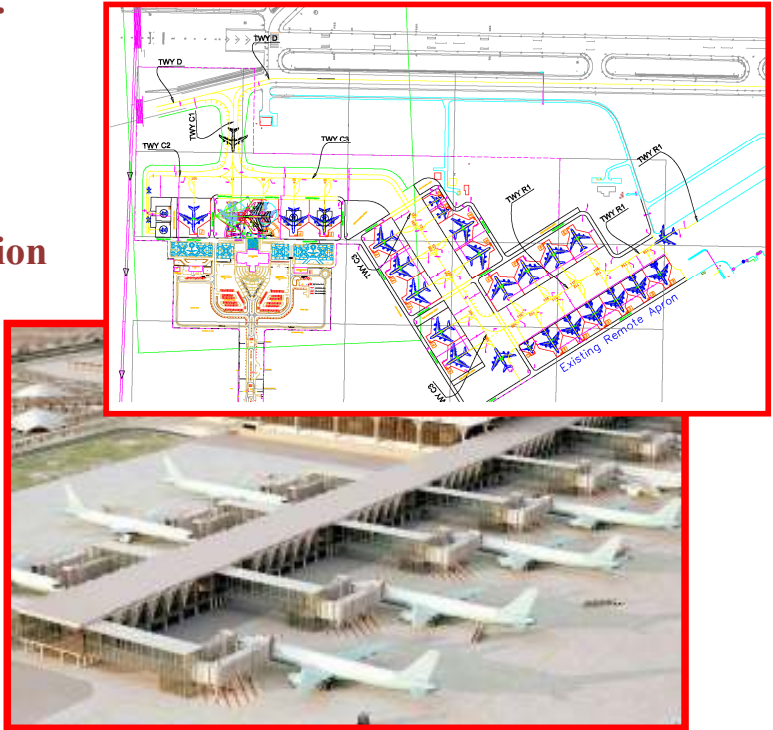
Airports Projects



1-Geometric design of Prince Mohamed Ben Abd Al-Aziz International Airport (Al-Madinah Airport)

- a) Geometric design of Taxiways, Aprons and connectors between Runway and Taxiways.
- b) Marking and Signs drawings and details according to ICAO.
- c) Runway and Taxiways Profiles and Cross section drawings.
- d) Spot levels and Setting out drawings

Project Cost:
400 Million SAR



2-Structural design of Prince Mohamed Ben Abd Al-Aziz International Airport (Al-Madinah Airport)

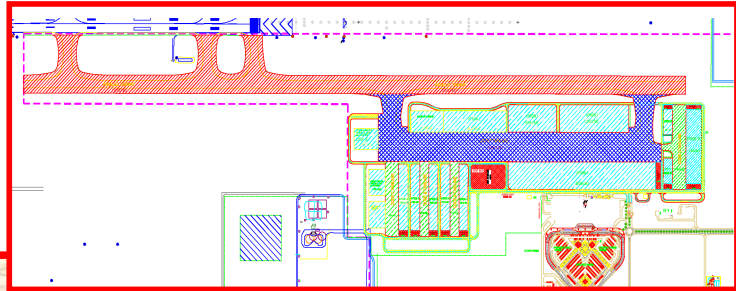
- Structural design of Taxiways, Aprons and connectors between Runway and Taxiways.
- Thickness design and Joints details of Flexible and Rigid pavements.

Project Cost:
600 Million SAR



3-Structural design of King Fahd International Airport.

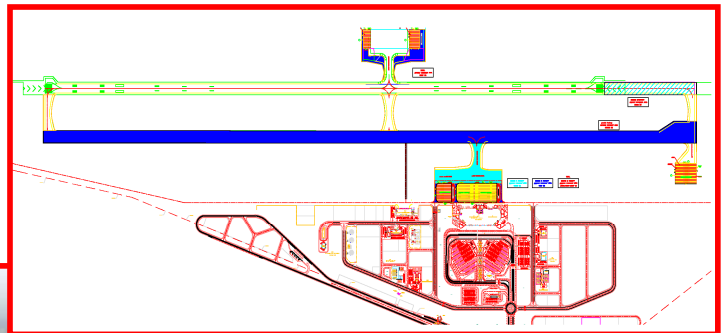
- Structural design of Taxiways, Aprons.
- Thickness design and Joints details of Flexible and Rigid pavements.



Project Cost:
600 Million SAR

4- Structural design of Qurayat Airport.

- Structural design of Taxiways, Aprons.
- Thickness design and Joints details of Flexible and Rigid pavements.

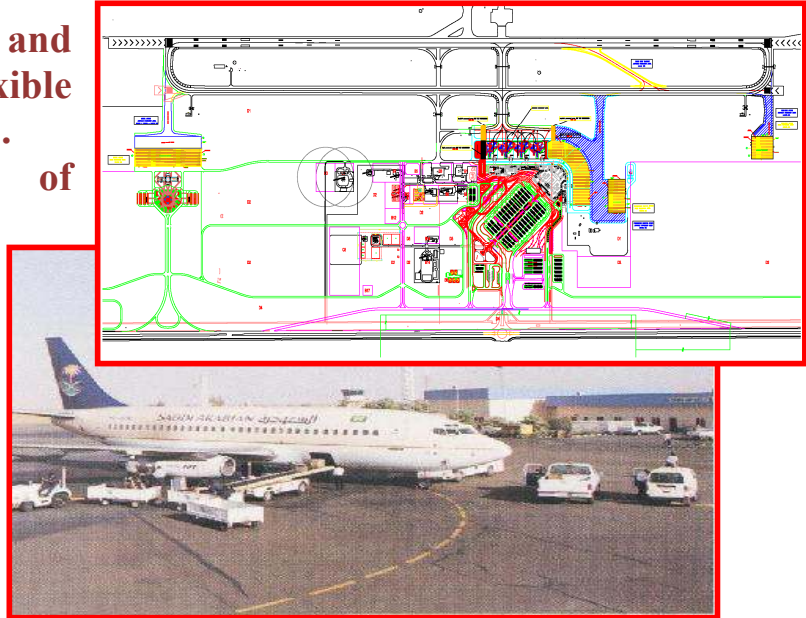


Project Cost:
600 Million SAR

5- Sturctural design of Yanbue Airport.

- Thickness design and Joints details of Flexible and Rigid pavements.
- Sturctural design of Taxiways, Aprons.

Project Cost:
400 Million SAR



6- Geometric and Sturctural design of Jouf Airport.

a) Geometric design of Taxiways, Aprons and connectors between Runway and Taxiways.

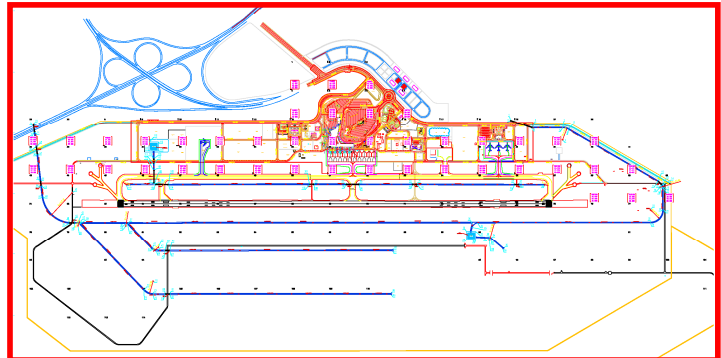
b) Runway and Taxiways Profiles and Cross section drawings.

c) Spot levels and Setting out drawings

d) Marking and Signs drawings and details according to ICAO.

- Sturctural design of Taxiways, Aprons.
- Thickness design and Joints details of Flexible and Rigid pavements.

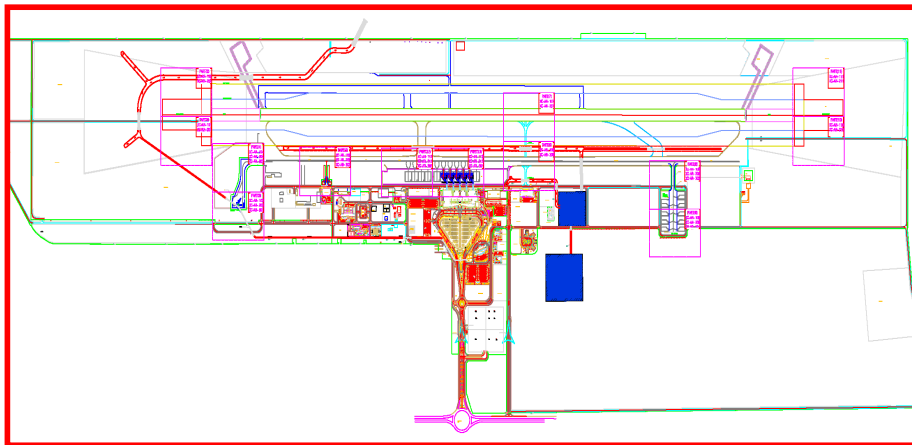
Project Cost:
1.20 Billion SAR



7- Geometric and Sturctural design of Qassem Airport.

- a) Geometric design of Taxiways, Aprons and connectors between Runway and Taxiways.
 - b) Runway and Taxiways Profiles and Cross section drawings.
 - c) Spot levels and Setting out drawings
 - d) Marking and Signs drawings and details according to ICAO.
- Sturctural design of Taxiways, Aprons.
 - Thickness design and Joints details of Flexible and Rigid pavements.

Project Cost:
900 Million SAR



8- Geometric and pavement design for rehabilitation Bed-3 airstrip Aerodrome for Shell/Bapetco Petroleum Company, West Desert, Egypt.

- a) Geometric design of Runway, turn pad and Apron.
- b) Runway Profile and Cross section drawings.
- c) Spot levels and Setting out drawings
- d) Marking and Signs drawings and details according to ICAO.
- e) Sturctural design of Runway, turn pad and Apron.
- f) Thickness design and Joints details of Flexible and Rigid pavements.
- g) Obtacle limitation surface Calculation to get safty fence location.
- h) PCN Calculation

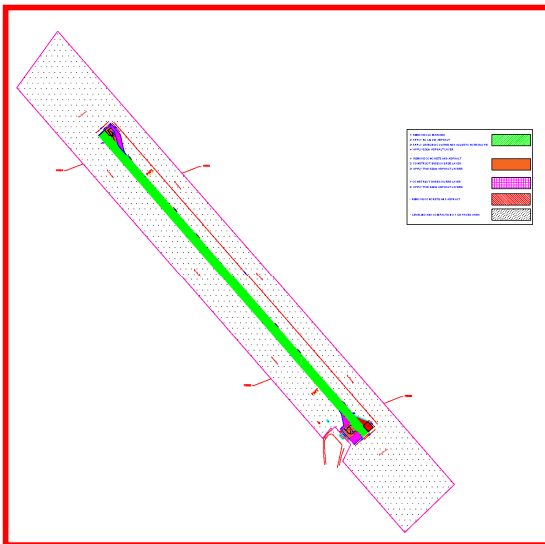
Study.

Project Cost:
26 Million Egyptian
Pound.



9- Airport Ground Lighting (AGL) for Apache/Khalda Petroleum Company, West Desert, Egypt.

- a) Complete AGL design drawings for rehabilitation A-G airstrip Aerodrome.
- b) Geometric design of Runway, turn pad and Apron.
- c) Runway Profile and Cross section drawings.
- d) Spot levels and Setting out drawings
- e) Marking and Signs drawings and details according to ICAO.
- f) Obstacle limitation surface Calculation to get safty fence location.
- g) PCN Calculation Study.
- h) Sturctural design of Runway, turn pad and Apron.
- i) Thickness design and Joints details of Flexible and Rigid pavements.



Geometric and structural design and Pavement evaluation techniques for Airports



**Ph.D., Civil Engineering,
University of Waterloo, Ontario, Canada
M.Sc., Civil Engineering,
Cairo University, Cairo, Egypt
B.Sc., (Distinction with Honor), Civil Engineering,
Cairo University, Cairo, Egypt**



AGL Maintenance and operation for Airports

