

# Biyala, Al-Bayadeyah, Nagaa Hammadi and Abu Tesht Hospitals

## Client

Arab International Optics

## Scope of Work

Conceptual design  
Detailed design  
Construction  
supervision

## Location

Qena-Luxor-Kafr El Sheikh

## Types of Activities

Architectural  
Civil works  
Communications and security systems  
Electrical  
HVAC  
Landscaping  
Mechanical  
Roads

The project covers the reconstruction of Biyala Hospital, as well as the refurbishment, demolition, and construction of new parts in three other hospital buildings:

**Biyala Hospital, Kafr Al-Sheikh:** main building and a service building on a land area of 4,978 m<sup>2</sup>, with a total built-up area of 15,121 m<sup>2</sup>. The main building comprises the following:

- Ground floor: emergency department, laboratories, radiology section medical records room, medical gases room, waste management section storage area, pharmacy, laundry, kitchen, engineering services, as well as a morgue;
- 5 upper floors: outpatient clinics, inpatient wards (54 beds + 6 isolation rooms), 4 operation rooms, Intensive Care Unit (ICU) with 4 beds + 1 isolation

room, Neonatal Intensive Care Unit (NICU), Central Sterile Services Department (CSSD), endoscopy unit, management area, nursing education centre and storage area; and

- Roof: equipment

**Al-Bayadeyah Hospital, Luxor:** main building and 4 service buildings on a land area of 4,012 m<sup>2</sup>, with a total built-up area of 10,817 m<sup>2</sup> (8,714 m<sup>2</sup> to be reconstructed and 2,103 m<sup>2</sup> to be refurbished). The main building comprises the following:

- Ground floor: emergency rooms, radiology section, medical gases room waste management section, laundry, kitchen, pharmacy, as well as a morgue;
- 6 upper floors: kidney dialysis centre (22 units + 2 isolation rooms) outpatient clinics, inpatient wards





- (18 beds + 2 isolation rooms), 4 operation rooms, ICU (8 beds + 2 isolation rooms), NICU (15 beds + 2 isolation rooms), CSSD, endoscopy unit, laboratories, administration and management area nursing education centre and storage area; and
- Roof: equipment.

**Abu Tesht Hospital, Qena:** main building and 7 service buildings on a land area of 11,517 m<sup>2</sup>, with a total built-up area of 13,949 m<sup>2</sup> (7,599 m<sup>2</sup> to be reconstructed and 6,350 m<sup>2</sup> to be refurbished). The main building comprises the following:

- Ground floor: emergency department, laboratories, pharmacy, radiology section, medical records room, medical gases room, waste management section, laundry, kitchen, as well as a morgue;
- 5 upper floors: kidney dialysis centre (24 units + 2 isolation rooms) outpatient clinics, inpatient wards (36 beds + 4 isolation rooms), 4 operation rooms, ICU (5 beds + 2 isolation rooms), NICU (7 beds + 1 isolation room), obstetrics & gynecology unit (16 beds), CSSD, as well as staff accommodation and management area; and
- Roof: equipment.

**Nagaa Hammadi Hospital, Qena:** main building and a service building on a land area of 8,473 m<sup>2</sup>, with a total built-up area of 19,616 m<sup>2</sup> (10,715 m<sup>2</sup> to be reconstructed and 8,901 m<sup>2</sup> to be refurbished).

The main building comprises the following:

- Ground floor: emergency department, laboratories, pharmacy, medical gases room, waste management section, laundry, kitchen, as well as a morgue;
- 5 upper floors: kidney dialysis centre (31 units + 3 isolation rooms) outpatient clinics, inpatient wards (64 beds + 7 isolation rooms), burns unit (ICU and inpatient wards), 5 operation rooms, ICU (11 beds + 1 isolation room), NICU (14 beds + 1 isolation room), obstetrics & gynecology unit (18 beds), CSSD, endoscopy department, chest department, medical records room, management area and staff accommodation; and
- Roof: equipment.

ECG's client for this project is Arab International Optics, one of the companies operated by the National Service Products Organization of the Egyptian Ministry of Defense (MoD). The four hospitals are owned by the Egyptian Ministry of Health and Population (MoHP).