

# MUP Pharmaceutical Plant

## Client

Medical Union Pharmaceuticals (MUP)

## Scope of Work

Site survey  
Soil investigations  
Cost estimate  
Detailed design  
Tender documents  
Tender action  
Construction management  
Construction supervision

## Location

Abu Sultan, Egypt

## Types of Activities

Architectural  
Civil works  
Mechanical  
Processing  
Piping  
Structural

The multi-functional pharmaceutical plant is constructed to be in compliance with the Good Manufacturing Practice (GMP) standards. It aims to enhance the local manufacturing of pharmaceutical products in order to meet the rapid increase in demand. The plant is constructed on a total land area of 115,000m<sup>2</sup> with estimated built-up area of 41,000m<sup>2</sup>.

The project comprises plant building, services building, prefabricated warehouse and associated facilities. The plant building is composed of a ground floor and a mezzanine. The ground floor occupies an area of 22,500m<sup>2</sup> that includes a production area of 8,360m<sup>2</sup>, sterile rooms with an area of 1,140m<sup>2</sup>, a warehouse with an area of 5,750m<sup>2</sup>, a Research and Development (RD) laboratory with an area of 1,800m<sup>2</sup>, in addition to other necessary facilities. The mezzanine floor occupies an area of 16,140m<sup>2</sup>,

comprises an area of 12,290m<sup>2</sup> for mechanical equipment, an administration area of 2,020m<sup>2</sup>, laboratories of area 1,200m<sup>2</sup> and other related facilities.

The services building houses cooling towers, boilers and other electro-mechanical equipment serving the production area. It covers an area of 1,730m<sup>2</sup>. The project facilities include, but not limited to, a maintenance workshop, an emergency diesel power plant, water tanks, fuel tanks, an industrial waste treatment plant, road network and parking facilities, a drip irrigation system, green areas and windbreaks. The plant and the services buildings are connected together by a steel bridge, 120m long, to carry power lines and HVAC piping system (load 1.5 tons/m).



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