

# Extension of ELAB Storage Tanks

## Client

Petromaint Co.

## Owner

Egyptian Linear Alkyl Benzene Co. (ELAB)

## Scope of Work

Design development  
Detail design

## Location

Alexandria, Egypt

## Types of Activities

Architectural  
Communications and security systems  
Electrical  
Mechanical equipment/pumps selection  
Utilities  
Instrumentation and control  
Piping design  
Process  
Roads  
Structural  
Storage tanks  
Vessels

The Egyptian Linear Alkyl Benzene Company "ELAB" located in EL Mex petroleum area in Alexandria, Egypt installed new storage tanks as an extension to its existing tank farm on a plot area of 10,695 m<sup>2</sup>.

Engineering Consultants Group (ECG) was awarded the contract to provide engineering services covering the basic design, detailed design while project supply and construction were carried out by Petromaint.

ECG scope of work included the basic and detailed design for all disciplines encompassing design of storage

tanks of capacities 1,400 m<sup>3</sup> for Benzole products with floating roof, two normal paraffin fixed roof tanks with total capacity of 6,200 m<sup>3</sup>, and one jet A/Kerosene fixed roof storage tank with capacity of 5,500 m<sup>3</sup>.

The design included the development of piping and instrumentation diagrams for the different systems, identification of tie-ins with existing plant facilities, related piping works, feed pumps selection, in addition to the development of project site layout, structural design, roads and crane access design, fire protection systems design, electrical design and low current design.

