

Alexandria Chemicals Terminal (ALX-CT)

Client

Alexandria Chemicals Terminal S.A.E, Egypt

Scope of Work

Concept design
Environment assessment study
Detailed design
Construction management
Construction supervision

Location

ElDekheila Port, Alexandria, Egypt

Types of Activities

Architectural
Communications and security systems
Electrical
Equipment selection
Infrastructure
Instrumentation and control
Mechanical
Piping design
Process
Structural
Tank design

In 2007, ALX-CT, a newly founded company specialized in the fields of importing/exporting and handling industrial chemicals, awarded ECG the engineering services contract entailing the design, detailed engineering, construction supervision and management, and commissioning of the Alexandria Chemicals Terminal (ALX-CT) project. The terminal provides bulk chemical receiving, storage, and packaging. ALX-CT is currently the first-of-its-kind terminal in North Africa and is the third terminal of its type in the Middle East.

Key project components comprised:

- 13 chemical storage tanks of capacities ranging between 850m³ and 2,100m³.
- At the harbor quay, 550m away from the terminal,

a chemical receiving station was set up to secure conveyance of industrial chemicals to the chemicals storage tanks via 3 extended piggable pipelines.

- A state-of-the-art truck loading station for bulk chemical land shipments; nitrogen generators for tank blanketing of all chemical storage tanks; a cutting-edge control unit adopting a programmable logic controlling system.
- An administration building housing a control room and a laboratory.
- Service utilities: including fire alarm, fire protection and compressed air systems.

The design also took into consideration the potential of doubling the capacity of the terminal in the future.

