

Midor, Egypt



Key facts about the plant

- Oil refinery
- Owner: Midor Refinery Expansion, Egypt
- Contractor: Kinetics Technology, Italy



Key facts about the chimney

- Completed in 2020
- Double skin steel stack
- H 63m
- Inner $\varnothing = 1,600\text{mm}$
- Stainless steel liner
- Free standing

Middle East Oil Refinery (Midor) is located in Amreya Free Zone, Alexandria, Egypt and is owned by Midor, an Egyptian shareholding company. The refinery is being expanded to increase its capacity from the existing 100K barrels per day (bpd) to 160K bpd.

The plant is the most advanced refinery in Africa and is being classified as the sixth in the Mediterranean, based on technological complexity; reaching a standard of 11.5, according to Nelson Complexity Index. The refinery's products include LPG, Premium Gasoline, Gas Oil, Kerosene, Jet Fuel, Coke, and Sulphur. The products from the refinery are exported by means of a pipeline network linked to the Dekheila Port in Alexandria and distributed in the domestic market via another network connected to pipeline networks owned by Alexandria Pipeline Company.

FERBECK INTERNATIONAL SA has been awarded an EP contract for one 63 meter-high-steel stack by Kinetics Technology, Italy.

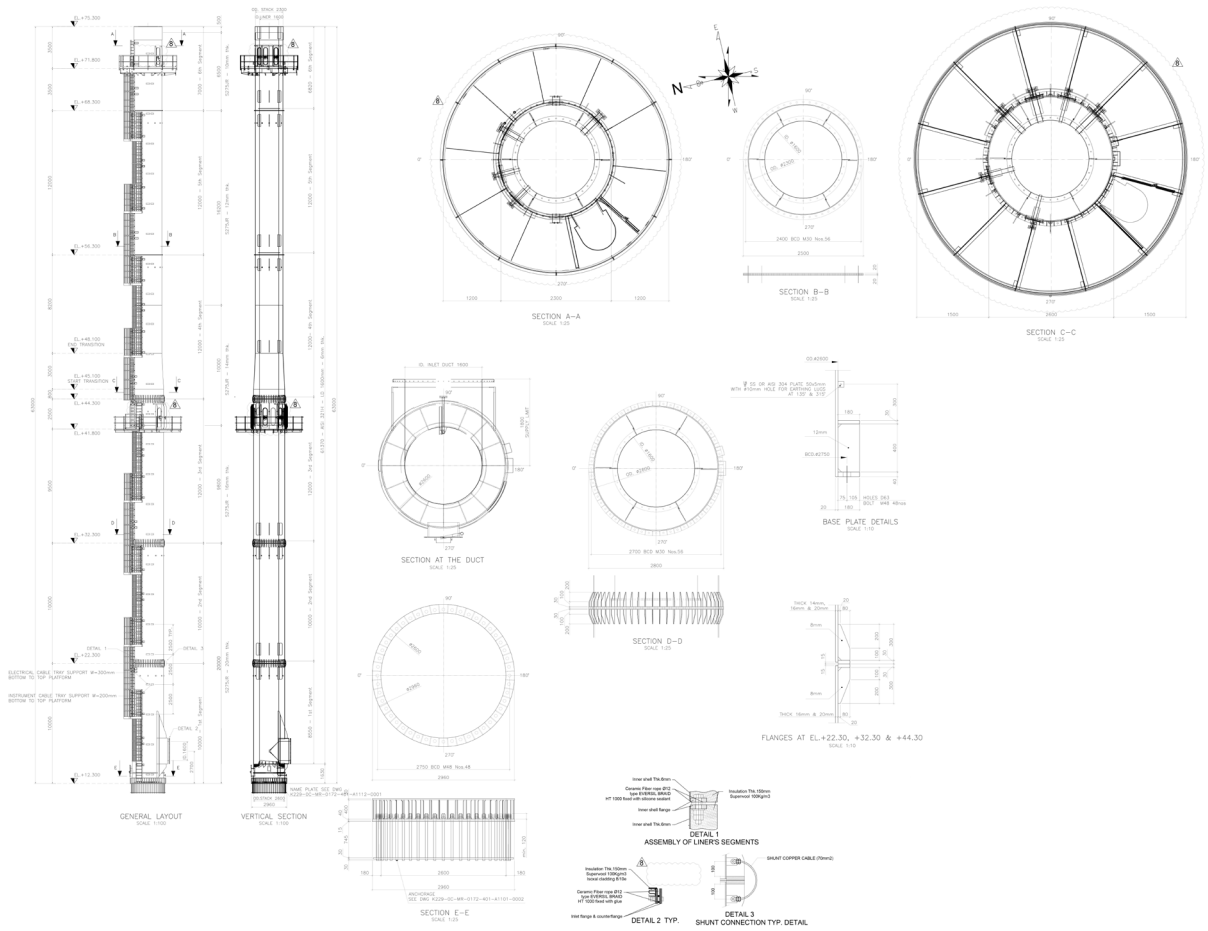
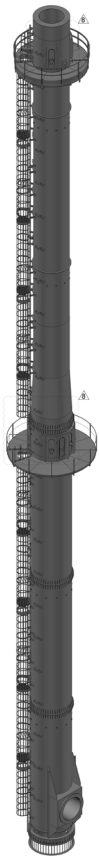




Steel stack

FERBECK's scope of work includes:

- anchor bolt for foundation
- platforms
- damper
- ladders
- lightning protection system





Components

Platforms

2 platforms are installed around the structure:

- damper platform at EL.+71.8m
- circular platform at EL.+41.8m

Damper

A liquid anti vibration damper is used to avoid resonance phenomena, as well as issues linked to fatigue. It is smartly designed to be used as a top platform of the structure.

