

SARAS REFINERY - Revamping/Extension

Owner: SARLUX Srl

Client: SARLUX Srl

Country: Sarroch, ITALY

Period: 2016-Current

TECON SOW: Detailed design services in multidisciplinary engineering



Work description

The Saras Group is one of the main independent oil refining operators in Europe. The Sarroch refinery, on the southern coast of Sardinia, west of Cagliari, is one of the largest in the Mediterranean in terms of production capacity and structural complexity.

With processing capacity of over 15 million tonnes a year - 300,000 barrels per day - the refinery provides about 17.2 % of Italy's refining capacity.

The Group is engaged in the production of petroleum products through its subsidiary Sarlux. The Sarlux plant lies next to the sea, and its marine terminals are its gateway to the world. Most of the crude for the refining process is delivered by sea; likewise, most of the finished product is shipped by sea. The old terminal at the South plant has 11 independent mooring points (9 for tankers of up to 65,000 tonnes) they are used for shipping the finished oil products and for the reception of semi-processed products. The two piers further away from the shore, for the mooring of tankers of up to 300,000 tonnes, are used for the unloading of crude.

Tecon services

Detailed design of the following activities:

- Upgrade and reinforcement of Jetty structures for new metocean conditions
- Process/piping/E/I design activities for new 1x40" + 1x40" traced and piggable crude pipelines
- Design of two new platforms for pig traps
- Design of VRU/DSU platform and vapour recovery hose handling system
- Design and installation of new gangway system
- Upgrade of P3 Berth for ships up to 85.000 DWT
- Design of Berth I1 new Breasting Dolphin and connection catwalks
- Revamping of concrete structures along the Jetty
- Jetty Shield system design