

# CASE STUDY



## Energy Projects CEYHAN TERMINAL EXPANSION

**Country**  
Turkey

**Overall Project Value**  
82.000.000 USD

**ENOIA's Consulting Value**  
695.000 USD

**Owner**  
Delta Rubis

**Dates**  
2012 - 2014



The "CEYHAN TERMINAL EXPANSION PROJECT" consisted of the expansion of the existing petroleum products terminal at DELTA RUBIS Ceyhan Terminal at Dörtyol, Turkey.

The project refers to the expansion of the existing terminal by addition of the following main facilities:

- New Tank Farm consisting of 24 new tanks (during EXPANSION 1 Phase) and a subsequent addition of 4 more transit tanks during EXPANSION 2 Phase, for white (WP) and black (BP) products with capacities ranging from 27.000 m<sup>3</sup> to 2.000 m<sup>3</sup>
- New Tank Truck Loading/Unloading station consisting of four import WP truck loading islands, three transit WP truck loading / WP-BP truck unloading islands, three transit BP truck unloading islands and related loading pumps
- New Jetty consisting of three berths (YP1, YP2 & YP3); Two berths (YP1 & YP2) are assigned to transit ship loading/unloading of White & Black Products, while the third berth (the more proximate to the shore) is assigned to bunkering.
- Pumpstations
- Vapor Recovery Units

- Firefighting facilities
- Oily Water Treatment facilities
- Automation / Controls / Telecommunication
- Electrical substation and networks
- Utilities (steam, condensates and nitrogen networks)
- Buildings and other civil works

## Scope of Services

ENOIA was involved in the project as Engineering Consultant, with the following Scope of Service:

- FEED endorsement
- Basic Design
- Detailed Engineering including Process, Mechanical, Piping, Instrumentation, Control and Telecommunication, Electrical & Civil design
- Project Management and Project Control for Engineering Services
- Engineering Services for Procurement
- Design Follow up, Issue for Construction Drawings
- Engineering Support services during construction

