

# CASE STUDY



## Energy Projects VTT VASILIKO OIL TERMINAL & JETTY

**Country**  
Cyprus

**EPC Contractor**  
J&P and J&P(O) - Vasiliko Oil Tank J.V.

**Overall Project Value**  
200.000.000 €

**Owner**  
VTTI

**Dates**  
2012 - 2014

**ENOIA's Consulting Value**  
1.015.000 €



The VTT Vasiliko Oil and Terminal & Jetty Project consisted of the provision of a grass root petroleum products terminal and Jetty, including:

- Thirty four (34) storage tanks for white and black products with capacities ranging from 26.000 m<sup>3</sup> to 2.000 m<sup>3</sup>
- Truck loading/unloading station
- Pumpstations
- Vapor Recovery Units
- Jetty facilities including:
  - One (1) Approach Trestle of an approximate length of 1485m,
  - Two (2) Access Trestles to Loading Platforms of approx. 210m and 185m respectively
  - Two (2) Loading Platforms with 4 Berths with 14 No. Marine Loading Arms + 2 Future, 10 Pig Launchers, 4 total Vessel Access Gangways Towers,
  - Pipe runway and Loops for transportation of clean Products and HFO (Gasoline, Diesel, Jet fuel, Gasoil, & MTBE)
  - 1 FF Systems for the Jetty,
  - Electrical substations on the Jetty,
  - Automation / Controls / Telecommunication for the jetty and utilities
- Firefighting facilities
- Oily Water Treatment facilities
- Automation / Controls / Telecommunication
- Electrical substation and networks
- Utilities (Hot Oil package, Nitrogen package, plant air, etc.)
- Buildings and other civil works

## Scope of Services

ENOIA's involvement on the project was the Detail Design Engineering services for the Top Side Facilities of the Jetty, consisted of:

- Piping design including Pipe Stress Analysis
- Mechanical
- Electrical
- Instrumentation and Control
- 3D model (AutoPLANT)
- Procurement services including technical Bid Tabulations & Evaluations / Approval
- Design Follow up, Issue for Construction Drawings

