

**Project :** Mechanical Erection Works of New Jet Fuel Tank T-790

**Client/End User :** Motor Oil Hellas Corinth Refineries S.A. (Greece)

**Duration :** 02/2016 ÷ 01/2017



## TECHNICAL DESCRIPTION

***Tank Figures :***

Dimensions : D = 57m / H = 21m  
Capacity : 52.311 m<sup>3</sup>  
Weight : 1.062 tons  
Service : Jet Fuel  
Roof Type : Floating

- a) Prefabrication of all Tank components that need to be prefabricated at EKME's Workshop:
  - Bottom sketch plates
  - Annular plates
  - Wind girders
  - Top angle
  - Platforms, ladders and external stairway.
  - Floating roof components
  - Cooling and foam rings (from pipe)
  - Installation of all nozzles into the shell plates.
  - PWHT of the shell plates along with the nozzles.
- b) Transportation of all prefabricated components to the site.
- c) Civil foundation survey and acceptance.
- d) Tank erection at site. In detail:
  - Erection of annular plates.
  - Erection of bottom plates
  - Erection of shell plates
  - Erection of floating roof.
  - Erection of wind girders
  - Erection of platforms, ladders and external stairway.
  - Erection of water cooling and foam system.
- e) Non Destructive testing according to API 650.
- f) Hydraulic test of the tank.
- g) External sandblasting and painting.
- h) Volumetric control of the tank.
- i) Delivery of the Tank to the Client.





