



CONTRACTORS PAST EXPERIENCE

01. Facilities : **ZAWIA TERMINAL EXPANSION PROJECT
TURN-KEY Project
(LIBYA)**
02. Location : ZAWIA (LIBYA), 60 km West from Tripoli
03. Owner : BREGA PETROLEUM MARKETING COMPANY
Address : Tripoli, Libya
Coastal Road Zawia 4002
04. Main Contractor : POLIMEX-CEKOP S.A. 
ul. Czackiego 7/9
00-950 WARSZAWA, POLAND
P.O.Box 815
- Design : BIPRONAFT (Poland) with **DESIGNERS from "ES" Ltd.**
Engineering Company for Oil Industry
(Designers: Mr. Ostrowski, Mr. Sihinkiewicz, Mr. Kosarzycki)
- Subcontractor : Mostostal and Elektromontaz (Poland) for execution
of construction works
05. Contract award : 1993
06. Start of contract : 1994
07. Completion : 1997
08. Guarantee : 24 month
09. Additional : Still continued maintenance works including
modernization (design also)

10. TERMINAL CHARACTERISTICS:

Turn-Key basis project, petroleum products storage terminal with marketing facilities, 250 x 850 m, connected to the ZAWIA Refinery by trunk underground pipelines.

Product received, stored and hand-over: Premium Gasoline, Gas Oil, Dual Purpose Kerosene, Fuel Oil, Liquid Petroleum Gas (LPG).

The Terminal consists:

- STORAGE TANKS:

- | | |
|-----------------------------|------------------|
| - 2 Nos. F.C.R. for DPK | 15,000 cbm each, |
| - 2 Nos. F.C.R. for Gas Oil | 15,000 cbm each, |
| - 1 No. F.C.R. for Fuel Oil | 20,000 cbm |



- 1 No. F.C.R. for Fuel Oil 1,600 cbm
- 1 No. F.C.R. for Fire Water 3,300 cbm
- 1 No. F.C.R. potable water 500 cbm
- 2 Nos. F.R.T. for Premium Gasoline 19,000 cbm each
- 2 Nos. LPG spheres 1,600 cbm each
- LOADING ARMS,
- PUMPS
- LPG Bottling Plant, cap. 1200 cylinders
- BUILDINGS:
 - Office Buildings
 - Amenity Building
 - Order Section and Security Building
 - Fire Station,
 - Fire Pump House,
 - Vehicle Workshop and Store
 - Lubricating Oil Store
 - Boiler House
 - Control Room
 - Generator Room & Electrical Substation
 - F.O. Pump House
 - White Products Pump House
 - LPG Office
 - LPG Order Section & Security Building
 - LPG Pump House and Cylinder Filling Station
 - LPG Empty & Full Cylinder Stores
- ELECTRICAL AND INSTRUMENTATION INSTALLATION
- FIRE FIGHTING INSTALLATION
- WATER INSTALLATION
- SEWAGE AND DRAINAGE
- WORKSHOP
- COMMUNICATIONS
- INTERCONNECTING LINES
- PIPELINES

11. SCOPE OF ACTIVITIE (design):

- Development of basic data and preliminary design (d & d submitted by the Client)
- Detailed Engineering:
 - P & I
 - Plot Plan (arrangement)
 - Civil
 - Mechanical
 - Electrical
 - Instruments
 - Workshop drawings
 - As builds drawings

12. STANDARDS AND CODES

American and British Standards, where applicable, others internationally recognized and accepted.

13. MAIN EQUIPMENT SUPPLIERS

tanks
spheres
boiler
diesel engines
lo/unloading arms
compressors
pipes
valves
fire-fighting
LPG filling plant
transformers
electrical equipment
electrical motors
cables
cathodic protection & SECT system
instrumentation
control valves
control room equipment

POLIMEX-CEKOP
POLIMEX-CEKOP/Tissot
Ing. Bono
Rolls Royce
FMC
Atlas Copco
Mannesman, Dalmine
Grove, Cameron
Silvani
Cosan Krisplant
Tamini
Vigano
Marelli
Pirelli, Alfacavi
Chisso Eng
Enraf, Crone, Kent
Masoneilan, Grove
Marconi

