

PROJECT PROFILE MAAMOURA AND BARAKA OIL AND GAS TREATMENT



Client: ENI | Location: TUNISIA

Audubon supplied [detailed engineering, design, procurement](#), and [construction management](#) for ENI's greenfield oil and gas treatment plant in Tunisia. With a processing capacity of 10,000 BPD of crude oil, 3,100 BPD of water, and 30 MMSCFD of natural gas, the facility produces stabilized crude, pipeline-quality sales gas, and a propane-butane mixture (Butapro).

The scope of work comprised a slug catcher; separation of secondary crude, water, and gas; desalting and stabilization of crude; gas compression, amine treatment, ultralow-dew-point glycol dehydration; straight refrigeration-type hydrocarbon dew-point control; an NGL stripper; and a debutanizer. Audubon applied a [modular approach](#) for all processing units, which were fabricated in the US and shipped to Tunisia for installation.

Because of the robust engineering, procurement, and construction management (EPCM) provided by Audubon for the Maamoura and Baraka field, ENI was able to implement effective fractionation and treatment to produce stabilized crude oil and pipeline gas.

Project Overview

- Greenfield oil & gas processing & fractionation
- 10,000-BPD crude oil, 3,100-BPD water, 30-MMSCFD natural gas
- Crude stabilization, gas compression
- Slug catcher, secondary crude/water/gas separation
- Ultralow-dew-point glycol dehydration
- Straight refrigeration-type hydrocarbon dew-point control

Scope of Work

- Project management & construction
- Detailed engineering & design
- Automation & control
- Process safety analysis
- Power generation
- Fabrication

