



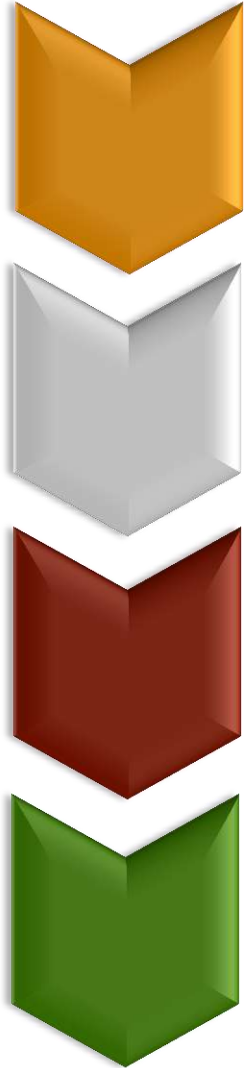
LIQUEFACTION, REFINING AND PETROCHEMICALS



Business Plan - Down Stream Activity - SONATRACH

WPC, July 2017

A vertically integrated group



**Exploration
Production « EP »**

Transport « TRC »

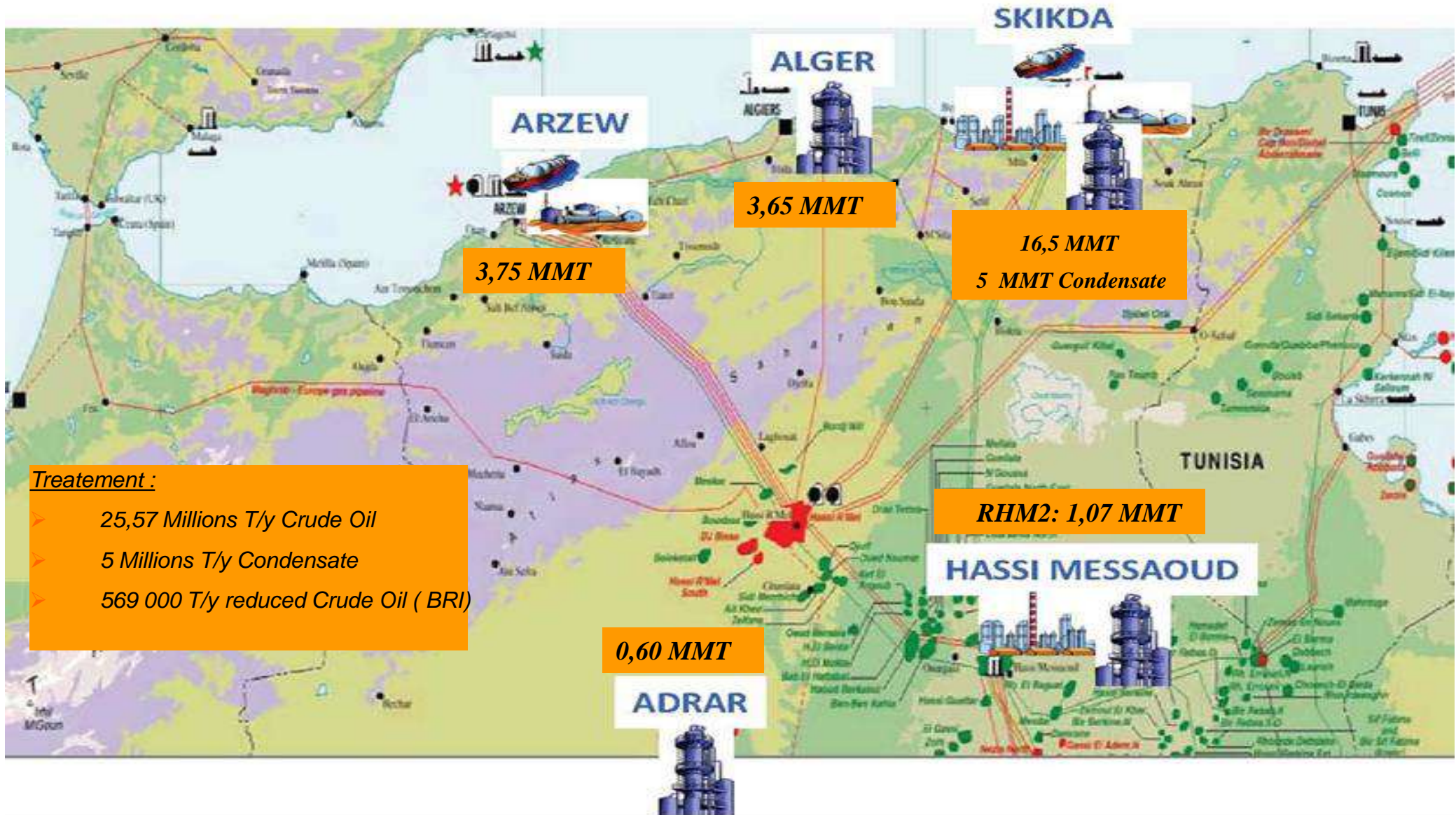
**Liquefaction,
Refinery and
Petrochemistry
« LRP »**

Marketing « COM »

Over 100 subsidiaries :

- **Drilling (ENTP & ENAFOR)**
- **Well Services (ENSP)**
- **Geophysics (ENAGEO)**
- **Construction (ENGTP, ENGCB)**
- ...

Existing Refineries localisation



Treatment :

- 25,57 Millions T/y Crude Oil
- 5 Millions T/y Condensate
- 569 000 T/y reduced Crude Oil (BRI)

ARZEW INDUSTRIAL ZONE



SKIKDA INDUSTRIAL ZONE



GL1K 1972
+Mega train 2013

RA1K 1980

RA2K (TOPC) 2009

Down Stream Business Plan

Gas Projects

- Upgrading & Rehabilitation of the LNG Plants, GL1.Z and GL2.Z
- Construction of:
 - A liquid nitrogen production Unit,
 - A loading dock oil, LNG and petrochemistry products at SKIKDA,
 - A LNG Storage Tank at the LNG Plant, GL1.K, (150.000 m³)

Refining Projects : Construction

- Two Deep conversion refineries of 5 MTA each located at Hassi Messaoud and Tiaret,
- 5 MTA Fuel Oil Craking and 5 MTA Naphta Treatment Plants located at Skikda,

Petrochemical Projects : Construction

- 200 KTA Méthyl Tert Butyl Ether (MTBE) production plant,
- 100 Linear AlkylBenzene (LAB) plant located at Skikda,
- World scale 500 KTA PDH - PP Plant at Arzew,
- 01 MTA Ethylen production from Ethane/LPG Craker ,
- 375 KTA Polytéréphtalate d'éthylène (PET) plant ,

Advantages with SONATRACH

- High operation experience in crude, natural gas field processing, refining, LNG plants management,
- Operating and Maintenance of the biggest refinery in Africa,
- A dense and reliable oil and gas transport network,
- Feed stock availability and low cost of energy,
- Main areas for the projects are identified in the coastal industrial zones,
- Availability of a skilled, young and graduate workforce,
- Favorable investment environment.

*Thanks
for
your attention*