



wintershall dea

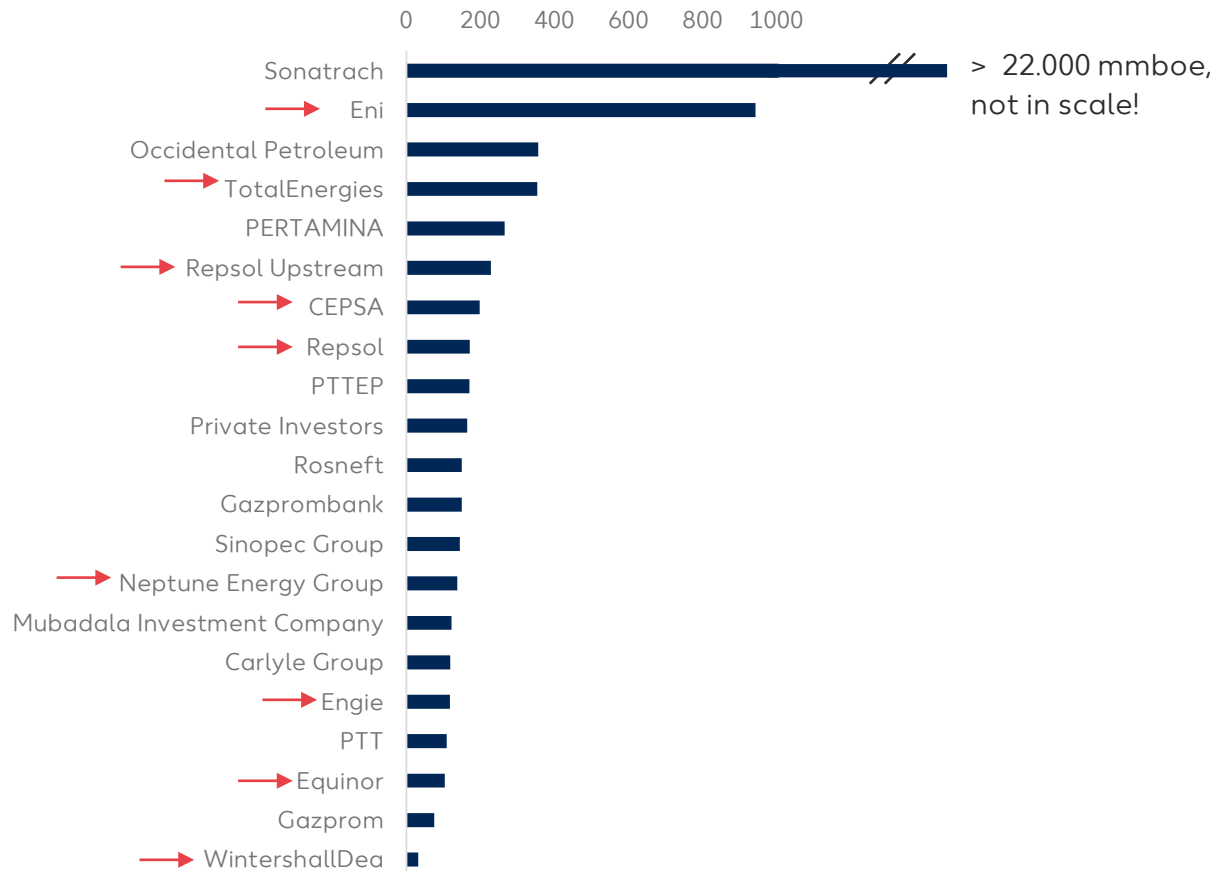
# NATURAL GAS IN ALGERIA

**THOMAS RUTTMANN**

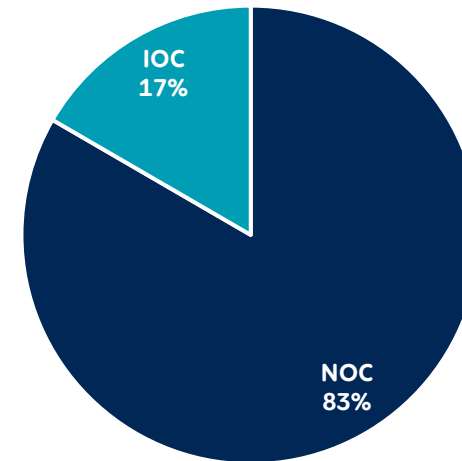
Algiers – 6 June 2023

# ALGERIA: RESOURCES AND CORPORATE LANDSCAPE

Key Player and Remaining Resources [mmboe]



Split NOC vs IOC

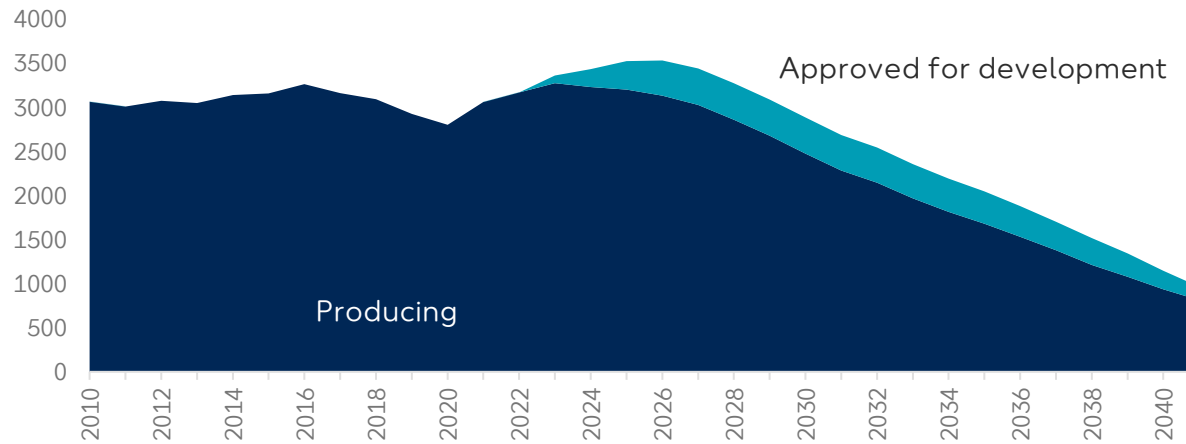


- > Sonatrach as Algerian NOC dominates upstream business
- > Corporate landscape of IOC limited
- > Top 4 fields Hassi R'Mel, Hassi Messaoud, Gassi Touil and Rhourde Nouss account for c. 50% of total remaining resources
- > Large prospective resource not shown and excluded from view graphs

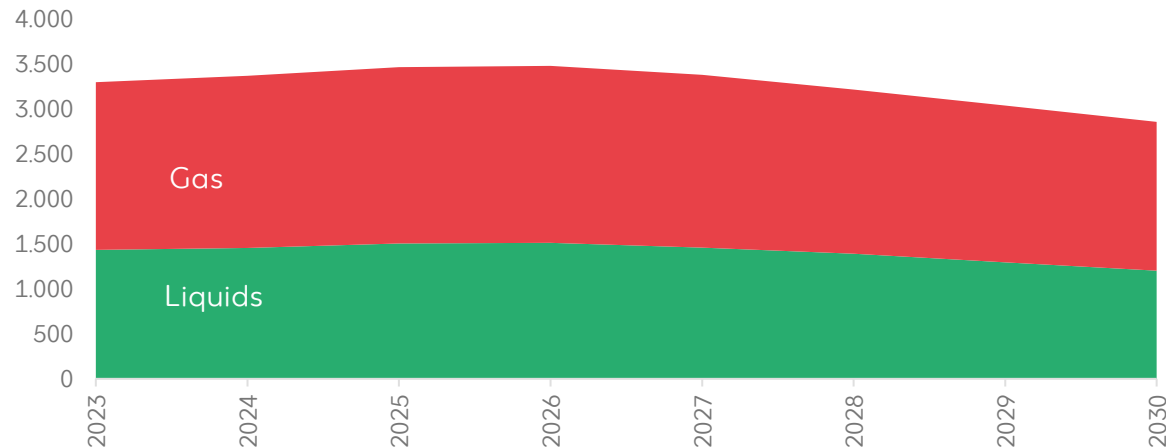
Source: Wood Mackenzie

# ALGERIA: CORPORATE LANDSCAPE AND OUTLOOK

Algerian Production by Status [kboe/d]



Algerian Production by Hydrocarbon Type [kboe/d]



Sonatrach's Liquefaction

LNG Production



22.8 Millions Cubic Meters

LPG Production



8,3 Millions Tons

Sonatrach's Marketing

- 1<sup>st</sup> Gas supplier of Italy
- 2<sup>nd</sup> Gas supplier of Spain
- 2<sup>nd</sup> LNG supplier of Turkey
- 2<sup>nd</sup> LNG supplier of Greece

WHERE WE ARE

# ALGERIA – PART OF WINTERSHALL DEA'S PORTFOLIO

## Active since

Entered the country in 2002  
Production start in 2017

## Activities

Partner in the Reggane Nord gas  
production project

## Wintershall Dea's growth path in Algeria

- August 2020: Memorandum of Understanding signed with Sonatrach and extended in 2022: participation in in additional upstream and Energy Transition
- Three-dimensional growth strategy:
  1. Exploration and development of new natural gas fields
  2. Exploring M&A opportunities to participate in existing projects
  3. Building the future; Energy Transition projects with a focus on hydrogen and CCS, scientific and technical cooperation planned

## Our expertise

Extensive onshore drilling and midstream  
management expertise



# REGGANE NORD PROJECT

## Asset Overview

- Wintershall Dea is partner in the Reggane Nord Asset in south-western Algeria
- One fifth of Algeria's gas reserves are located in the remote SW basins in the central Sahara
- Reggane Nord is the first gas project that went into production in this region (Dec 2017)
- The produced gas is evacuated by the new build 765 kilometer long 48" GR5 pipeline by Sonatrach which connects the SW basins to Hassi R'Mel gas hub
- The asset is operated by the Groupement Reggane Nord (GRN) with its partners Sonatrach (40%), Repsol (36%), Wintershall Dea (24%)

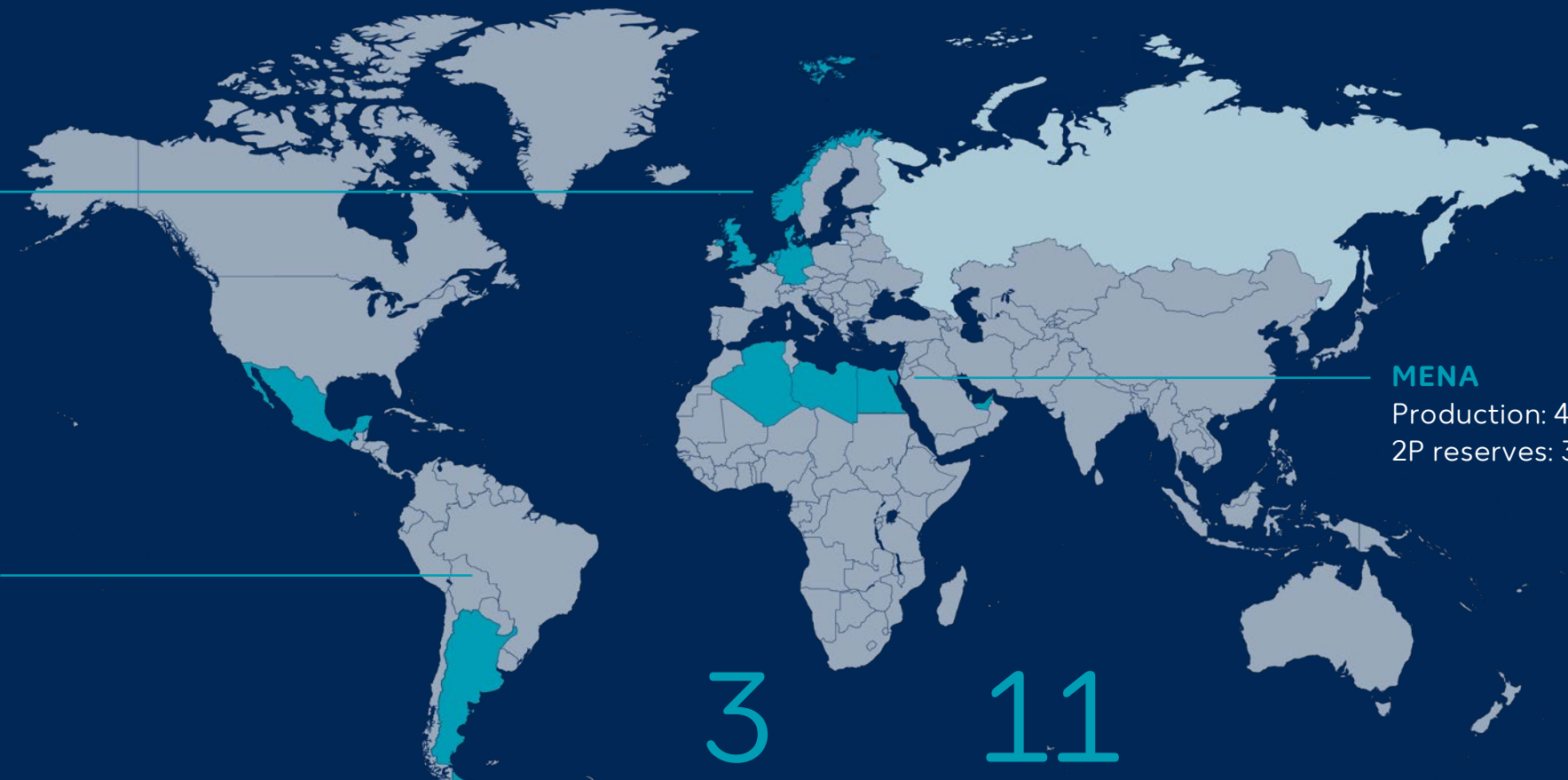
## Project Overview

- 6 dry gas fields, 4 fields already in production, 2 fields in 2nd phase
- 3 main EPC contracts were executed from 2014 to 2018
- The realized infrastructure include a Central Processing Facilities (CPF), about 300 km gas gathering network, a living/office base, a military camp, an airstrip & about 160km of roads
- Production started in Dec 2017, actually 26 producer wells
- Drilling activities ongoing with 2 rigs from local contractor ENAFOR until 2025
- Production license is granted until end of 2041



WHERE WE ARE

# STRONG GLOBAL PORTFOLIO



## NORTHERN EUROPE

Production: 207 mboe/d  
2P reserves: 749 mmboe

## MENA

Production: 47 mboe/d  
2P reserves: 347 mmboe

## LATIN AMERICA

Production: 67 mboe/d  
2P reserves: 304 mmboe

3

REGIONS

11

COUNTRIES\*

# OUR EVOLUTION

## FROM:

The leading European independent gas and oil company. We explore for and produce gas and oil worldwide in the most efficient and responsible way.

## TOWARDS BECOMING:

**A leading European independent gas and carbon management company.**  
We explore and produce worldwide in the most efficient and responsible way. And we implement innovative carbon management and low carbon hydrogen solutions in order to pursue climate targets while securing energy supply.



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THANK YOU.  
QUESTIONS?