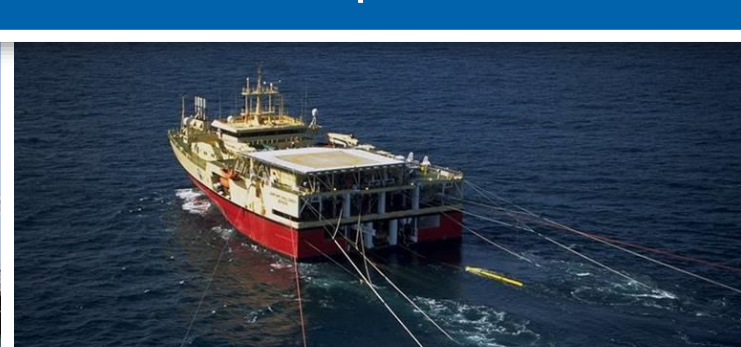




# CORPORATE PRESENTATION

Pareto Conference, Oslo  
September 2018



# Panoro Energy

OSE Ticker PEN

[www.panoroenergy.com](http://www.panoroenergy.com)

# DISCLAIMER

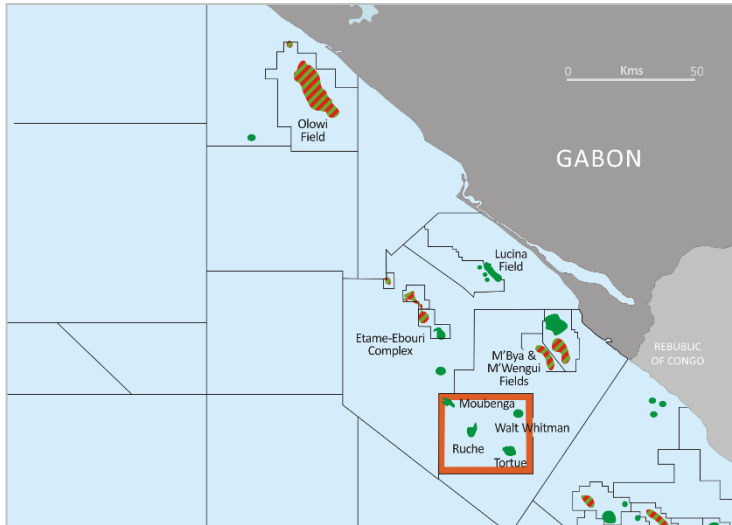
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This presentation does not constitute an offer to buy or sell shares or other financial instruments of Panoro Energy ASA (“Company”). This presentation contains certain statements that are, or may be deemed to be, “forward-looking statements”, which include all statements other than statements of historical fact. Forward-looking statements involve making certain assumptions based on the Company’s experience and perception of historical trends, current conditions, expected future developments and other factors that we believe are appropriate under the circumstances. Although we believe that the expectations reflected in these forward-looking statements are reasonable, actual events or results may differ materially from those projected or implied in such forward-looking statements due to known or unknown risks, uncertainties and other factors. These risks and uncertainties include, among others, uncertainties in the exploration for and development and production of oil and gas, uncertainties inherent in estimating oil and gas reserves and projecting future rates of production, uncertainties as to the amount and timing of future capital expenditures, unpredictable changes in general economic conditions, volatility of oil and gas prices, competitive risks, counterparty risks including partner funding, regulatory changes and other risks and uncertainties discussed in the Company’s periodic reports. Forward-looking statements are often identified by the words “believe”, “budget”, “potential”, “expect”, “anticipate”, “intend”, “plan” and other similar terms and phrases. We caution you not to place undue reliance on these forward-looking statements, which speak only as of the date of this presentation, and we undertake no obligation to update or revise any of this information.

# PANORO PORTFOLIO OVERVIEW

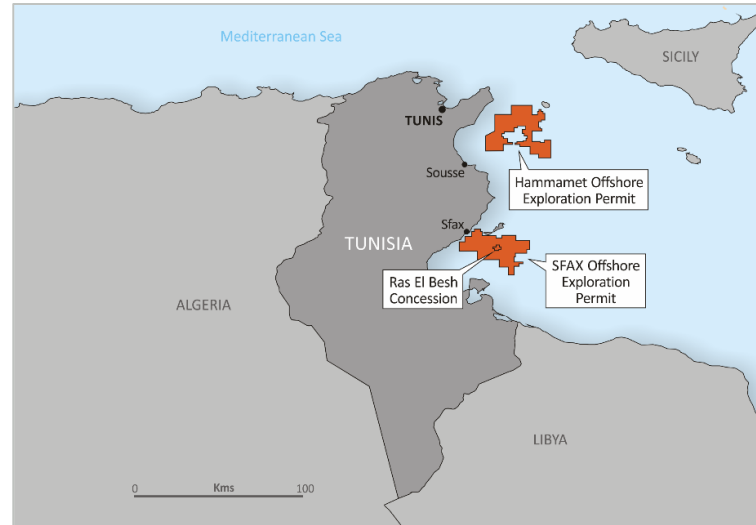
## CORE ASSETS IN AFRICA WITH PRODUCTION AND UPSIDE - SECURING A FOOTHOLD FOR FURTHER EXPANSION INTO TUNISIA

### Dussafu (Gabon)



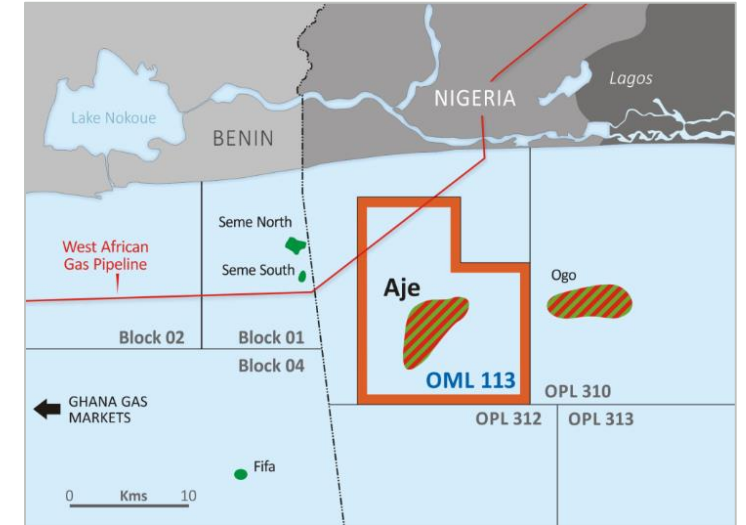
- Large development block with multiple discoveries and near-term exploration prospects
- First oil scheduled for 2H 2018 at a expected rate of 10-15 kbopd (gross)
- Partnered with BW Group (operator)

### Tunisia



- Entry through DNO acquisition
- Attractive development & exploration acreage
- Existing operating organization
- Foothold secured, forming basis for further expansion
- Additional opportunities identified

### Aje (Nigeria)



- Stable production of gross 3,000+ bopd with occasional shutdowns
- 20 Mmboe (2P) reserves net to Panoro
- Material upside in gas development

# COMPANY PROFILE



**US\$110mm**  
Market Cap (09/18)



**US\$5.5mm**  
Cash (06/18)  
(Post period additional cash of \$16 million)



**US\$7.1mm**  
Debt (06/18)  
(non-recourse)



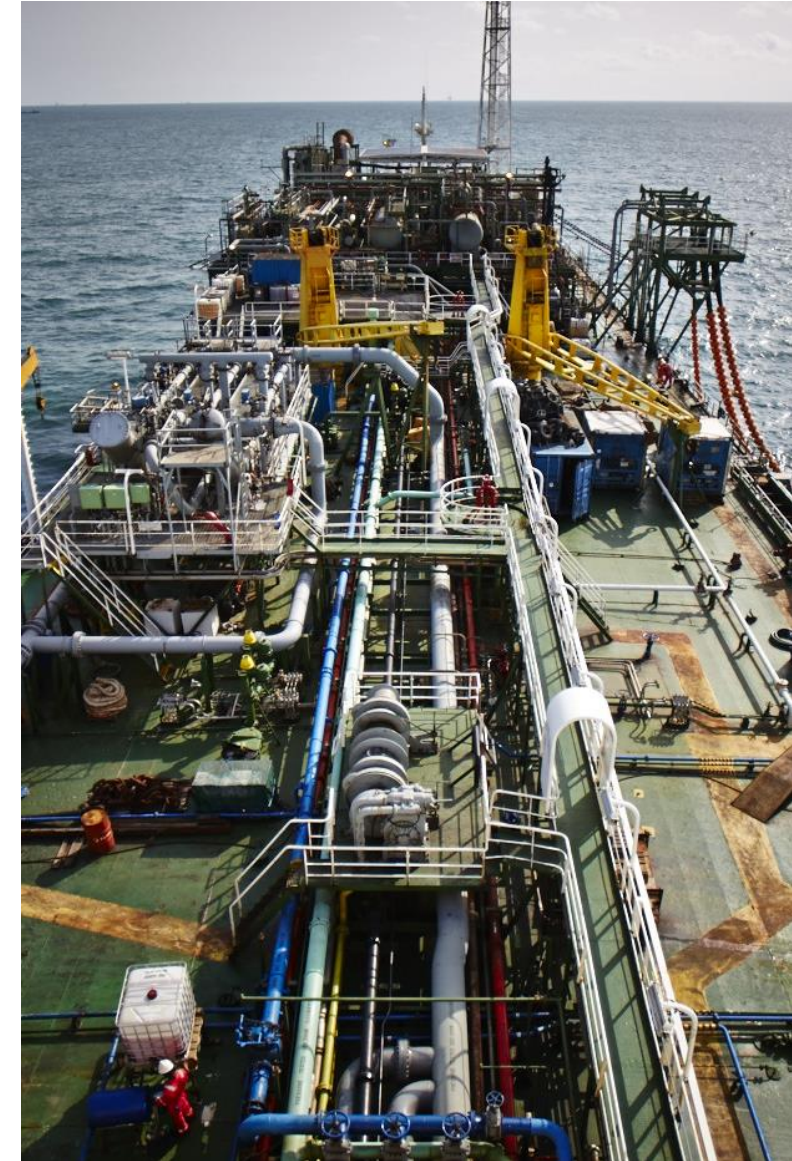
**21.6mmbbl**  
2P BOE Reserves



**2.6mmbbl**  
2C BOE Resources  
(Not including Tunisia)



**1000+ bopd**  
Group Production  
(expected, after first oil Dussafu)



# TEAM WITH STRONG A TRACK-RECORD OF VALUE-CREATION

## EXECUTIVE MANAGEMENT TEAM



**John Hamilton**  
Chief Executive Officer



**Qazi Qadeer**  
Chief Financial Officer



**Richard Morton**  
Technical Director



## BOARD OF DIRECTORS



**Mr. Julien Balkany**  
Chairman



**Ms. Alexandra Herger**



**Mr. Torstein Sanness**



**Mrs. Hilde Ådland**



**Mr. Garrett Soden**



- Team with strong technical and operating capabilities, with extensive experience from the industry
- Strong track-record of building independents and creating value

Corporate Presentation

# DUSSAFU Gabon



Panoro Energy

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# DUSSAFU - NEAR-TERM PRODUCTION, SIGNIFICANT DISCOVERED UPSIDE

## Multiple discoveries located offshore Gabon

- Positioned in a proven fairway within the Southern Gabon Basin
- Operated by BW Energy Gabon<sup>1</sup> (91.66%) with Panoro holding 8.33%. Tullow holds a 10% back-in right<sup>2</sup>)
- 23.5 MMboe 2P reserves (gross) and 11.6 MMboe 2C resources<sup>3</sup>
- Recent appraisal well at Tortue will likely result in material reserve upgrade

## Phased development tied back to the BW Adolo FPSO - initial focus on the Tortue discovery

- Phase 1 drilling complete (2 dev. wells + 1 appraisal sidetrack)
- First oil expected early Q4 2018 at a rate of 10-15,000 boepd
- Phase 2 depending on phase 1 results; Long Lead items secured
- New Tortue reserve report expected Q4, incorporating side track results

## PSC with highly favourable economics

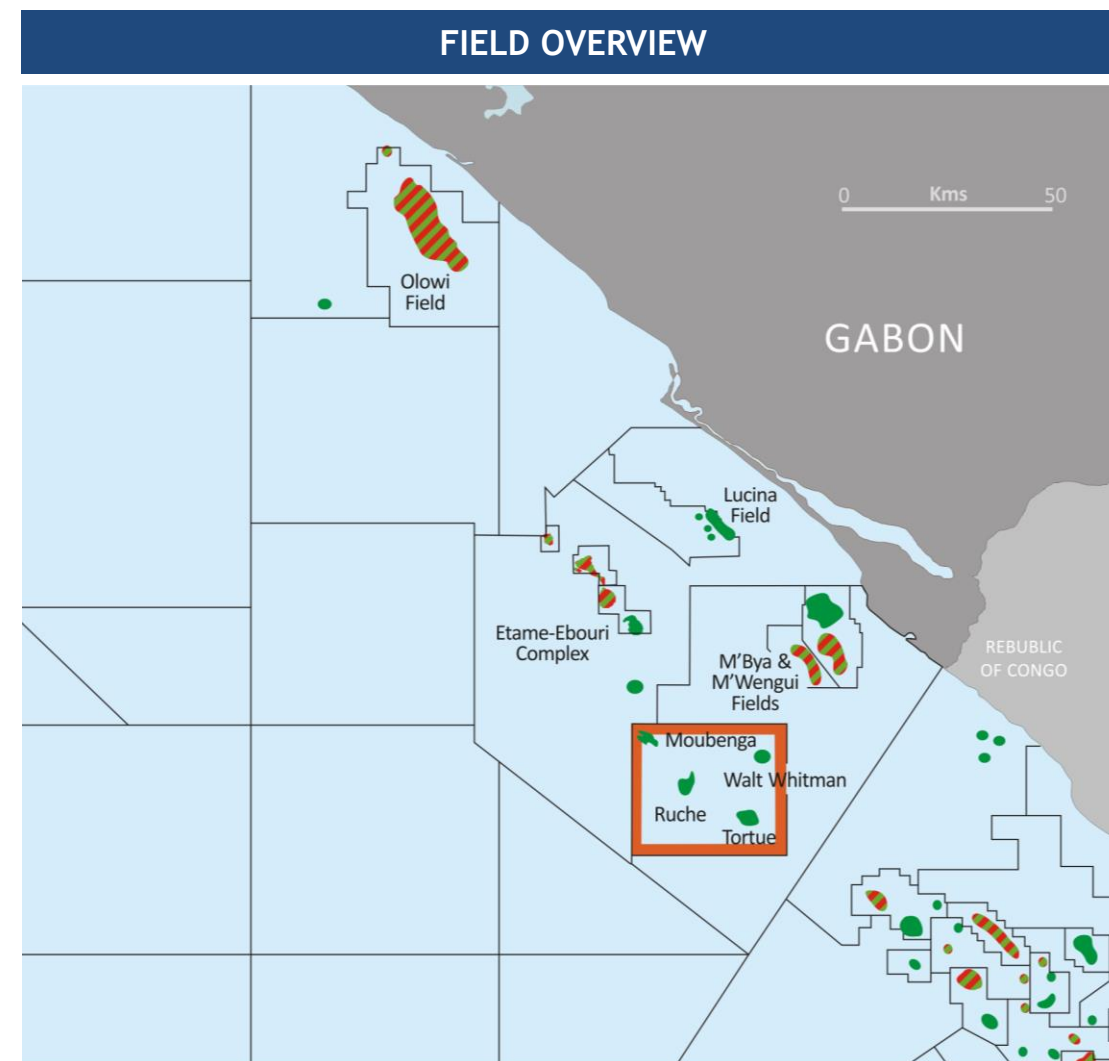
- >50% margin during cost recovery phase
- Low cost production with \$13-16/bbl operating costs

## Significant further exploration potential

1. Subsidiary of BW Offshore

2. Tullow purchased State back in rights and have 60 days from first oil to elect; Panoro would be diluted to ~7.5% if elected

3. From preliminary NSAI report December 2018. Figures are Gross Reserves after economic cut-off, before royalty, production sharing with Gabon government and exercise of any back-in rights or participation of GOC



# TORTUE IS JUST THE BEGINNING: RECENT OIL DISCOVERY ANNOUNCED

- Potential to become a world-class asset

- 12 robust prospects and more than 14 leads identified within the Ruche EEA1 area, in addition to the recent Ruche NE discovery
- Potential to include all discoveries and prospects in the field development plan (“FDP”) once drilled

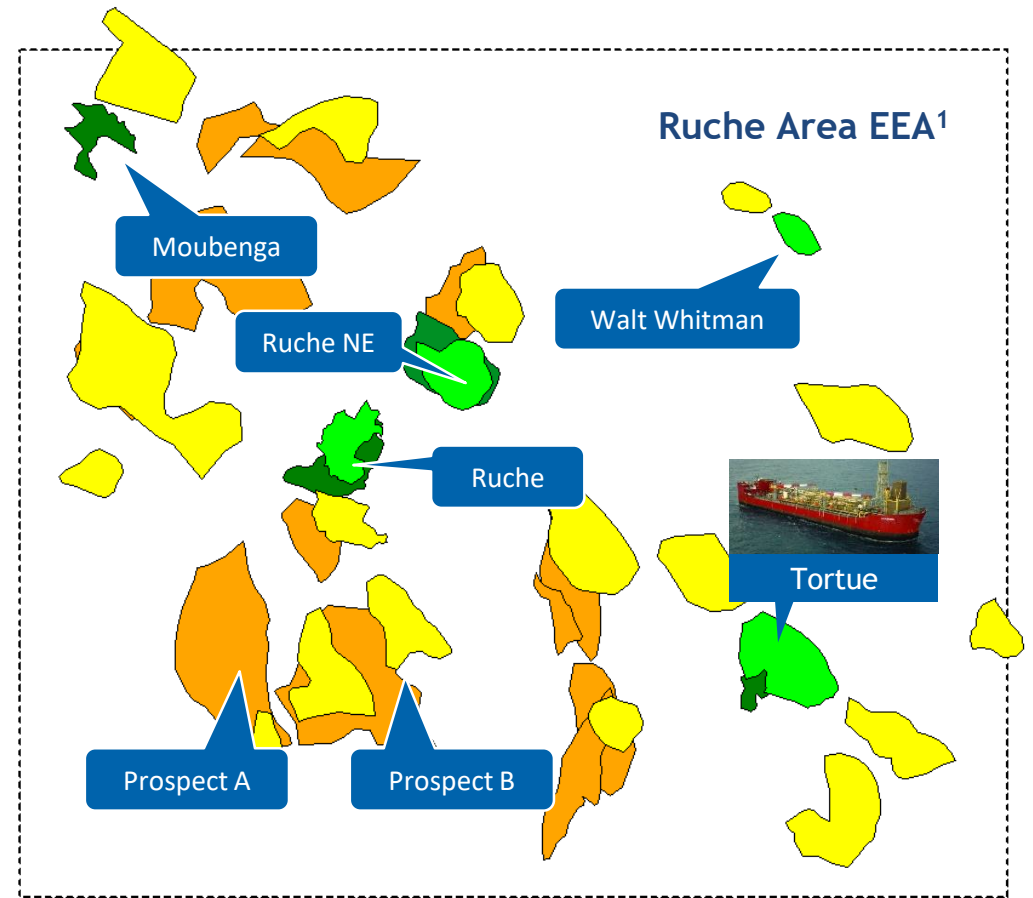
- Recent oil discovery in the Ruche NE

- Discovery of 40 meters of oil pay announced 31 August across 2 reservoir sections - additional technical evaluation being undertaken to appraise
- May be developed together with existing Ruche field discoveries; tied back to FPSO
- Well completed on time and within budget

- Three additional main prospects matured into potential drilling targets

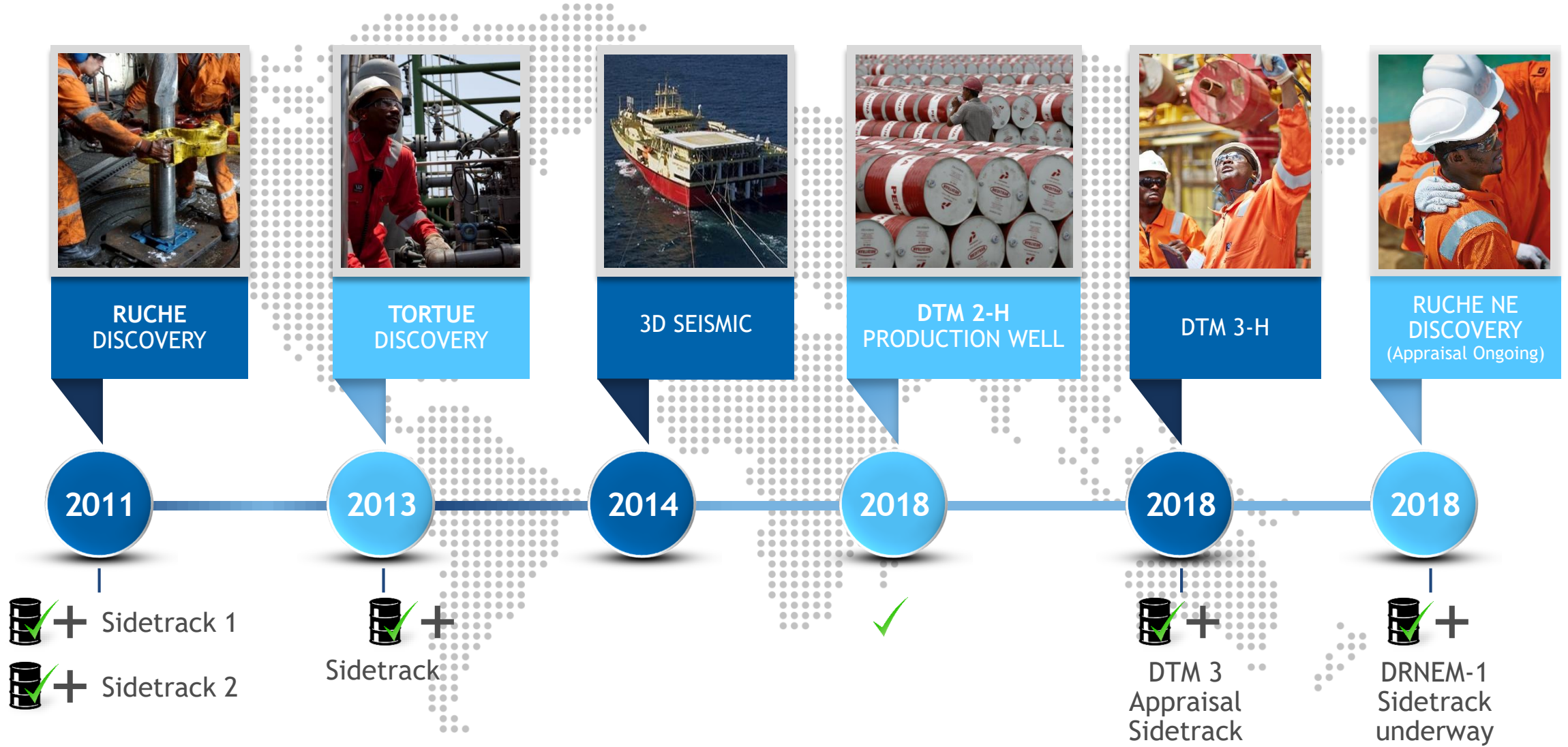
- Prospect A, Prospect B and Moubenga
- Prospect A and B are high potential prospects with 482 MMboe (gross) prospective resources

## FIELD OVERVIEW





## NINE CONSECUTIVE SUCCESSFUL WELL PENETRATIONS (2011-2018)



# DUSSAFU DEVELOPMENT PLAN

## 1 Tortue Phase 1

- On target for first oil early Q4 2018
- Project on time and on budget
- Initially 2 wells at Tortue
- Gross capital investment USD 160-170m (Panoro largely carried)



## 2 Tortue Phase 2

- Up to 4 additional production
- First oil from Phase 2 tentatively scheduled for 2020



## 3 Ruche Complex and Further upside

- Ruche viewed a possible second development hub
- Recent discovery at Ruche NE provides momentum for further planning
- Other discoveries exist and further exploration



15 MMboe Reserves



10-15 kboep Production



15-25 MMboe Additional Reserves



15-20 kboep Production



45 MMboe From other discoveries

2018

2020

2021

# PANORO'S NON RECOURSE LOAN FROM BW ENERGY

PANORO'S SHARE OF CAPITAL EXPENDITURE COVERED BY BW ENERGY GABON FOR UP TO US\$12.5MM

- Total Phase 1 development expenditure estimated at ca US\$160-170 mm, including contingency
  - Panoro's share is ca. US\$13.5mm
- Non-recourse loan capped by BWEG of up to US\$12.5mm for Panoro's share of development
- Non-recourse loan repayable through part of Panoro's share of production, annual interest rate of 7.5%
- Repayment through Panoro's share of Cost Oil, as defined in the Dussafu PSC
- During the repayment phase, Panoro will be entitled to receive its share of Profit Oil, providing immediate and available free cash flow



US\$12.5mm  
Debt Facility



US\$7.1mm  
Drawn Debt  
(as at June 30, 2018, non recourse)

Corporate Presentation

# Tunisia

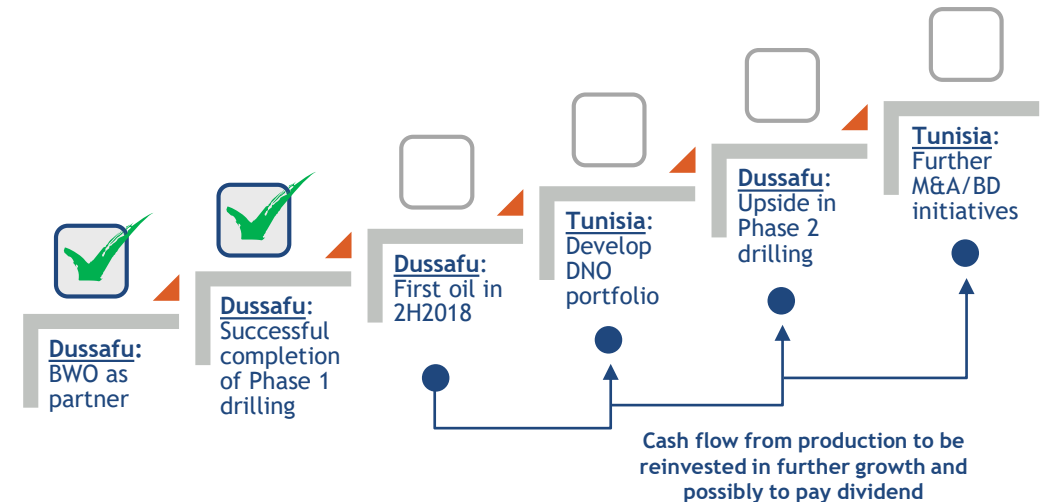


# TUNISIA ENTRY AND STRATEGY

## GROWTH WHILST MAINTAINING A STRONG FINANCIAL DISCIPLINE AND ACTIVE PARTNERSHIP APPROACH

- Evaluated a number of M&A opportunities in recent years, together with multiple strategic partners and financial co-investors
- Tunisia identified as a highly attractive jurisdiction and DNO transaction secures a foothold for Panoro
  - Larger oil companies are exiting, creating opportunities for independents to grow in the country
  - Panoro team has developed a deep understanding of the country and hydrocarbon industry, and built relationships with local stakeholders, regulators and potential partners
- Currently reviewing several other growth opportunities in Tunisia
  - Strategically partnered for Tunisia with major international trading company
  - In advanced discussions with well known respected Tunisian family office with oil and gas track record to partner and co-invest in Tunisian growth

### MILESTONES AND UPCOMING TRIGGERS



WITHIN THE NEXT TWO YEARS, PANORO INTENDS TO COMPLEMENT ITS GROWTH IN GABON AND NIGERIA BY BUILDING A POSITION AS A FULL-CYCLE E&P COMPANY IN TUNISIA WITH MATERIAL PRODUCTION AND EXPLORATION

# TUNISIA OFFERS A FAVORABLE OPERATING ENVIRONMENT

## OFFERS OPPORTUNITIES FOR GROWTH-ORIENTED INDEPENDENT E&P COMPANIES

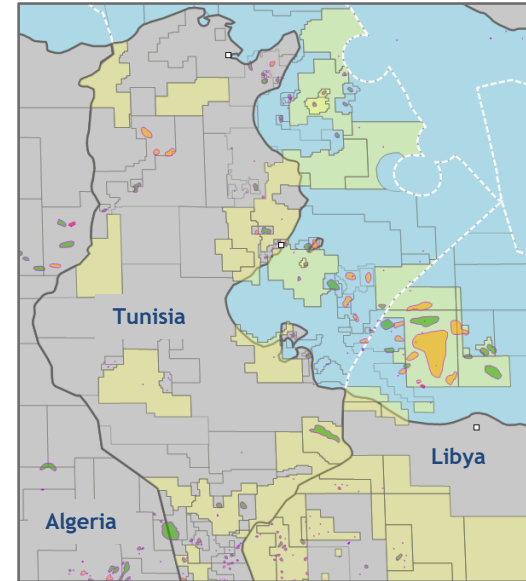
### Tunisia has a strong rule of law and international support

- Considered to be the only full democratic regime in the Arab world
- Association agreement with the EU and has obtained status of a major non-NATO ally of the U.S.
- Close relationships with France and Italy, through extensive economic cooperation and past history

### Tunisia is an established oil & gas producer

- Production commenced in 1966 and current output is approximately 100,000 boe/day
- Low OPEX environment with significant presence from oil services providers in the country and region
- Many large IOCs with long country presence (ENI, Shell, Perenco, Petrofac, etc.) and recent entrants from growth-focused companies such as Carlyle-backed Mazarine Energy and others
- ETAP, the national oil company, is a professional counterparty and manages interest on behalf of the Tunisian State

### MAP WITH O&G ACTIVITIES AND IMAGES



### SELECTED O&G COMPANIES IN TUNISIA (2015-2018)

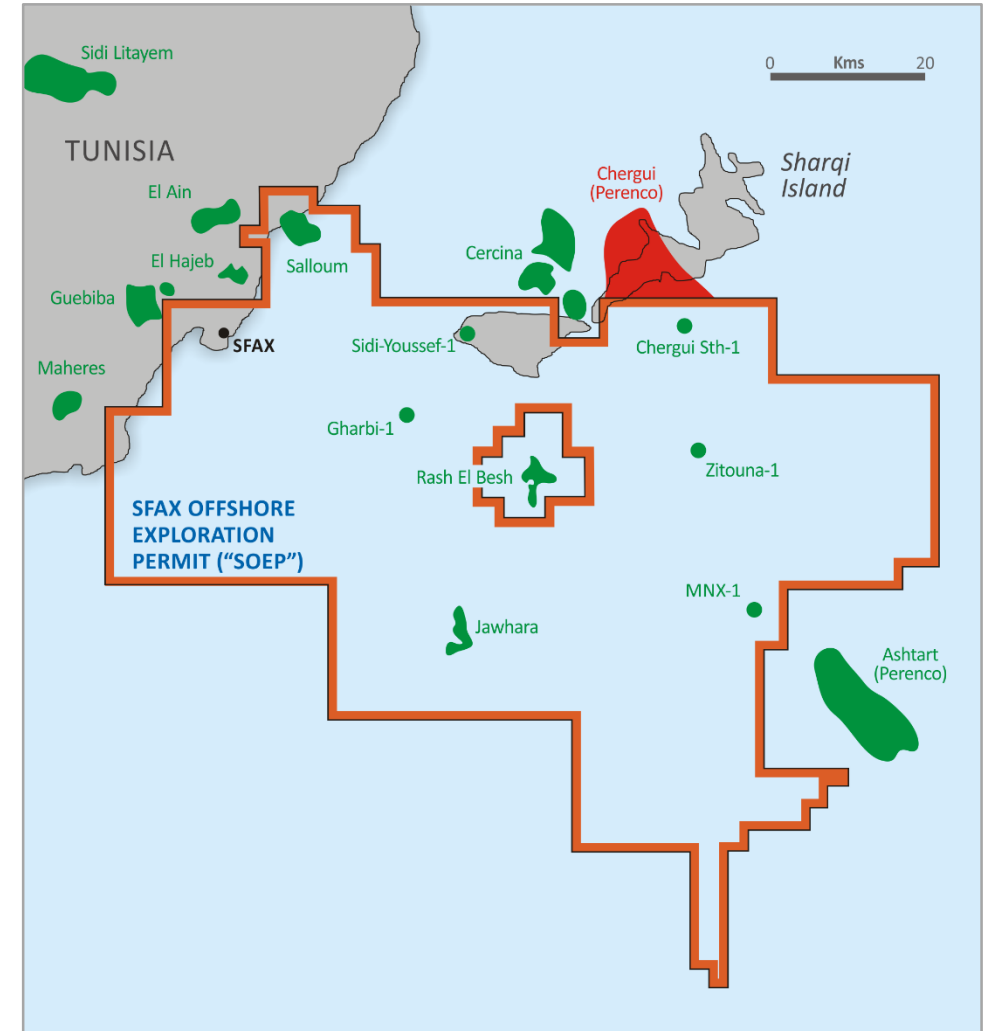


# STRATEGIC TRANSACTION WITH DNO AND PRIVATE PLACEMENT

## PANORO ACQUIRED DNO TUNISIA IN A FIRST STEP TO BECOME A FULL-CYCLE TUNISIAN E&P PLAYER

### Panoro Energy ASA (“Panoro”) has acquired DNO Tunisia AS from DNO ASA (“DNO”)

- Now called Panoro Tunisia Exploration AS (“PTE”)
- PTE holds 2 offshore assets: Sfax Offshore Exploration Permit and Ras El Besh Concession
  - Hammamet Offshore Permit has been relinquished as expected by Operator Medco (ca \$ 2 million fee to be paid by PTE)
- Each of those assets has existing oil discoveries and material exploration upside.
- Cash \$8.3 million retained in PTE at closing of transaction
- Core asset is the very shallow-water Salloum discovery on the Sfax offshore exploration permit
  - Tested at 1800 bbl/day and holds approx. 5 MMboe recoverable oil reserves
  - Fast-track development contemplated
  - Low-cost tie-back candidate to onshore facilities
  - Permit process underway for extension/renewal (potential penalty of up to USD 12m if commitments not met or transferred to new period)
- Additionally, \$8.3 million gross raised through an equity Private Placement with DNO participating as a new investor

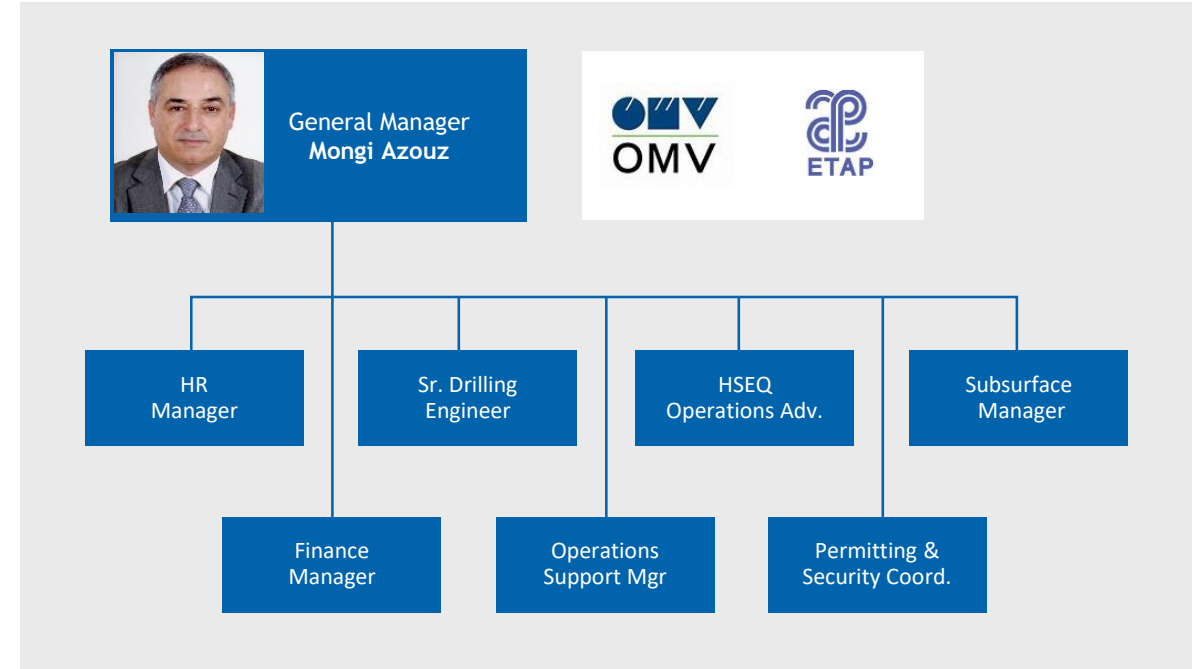


# FULL OPERATING ORGANISATION IN PLACE

SIGNIFICANTLY STRENGTHENS OPERATING CAPABILITIES IN TUNISIA

## DNO transaction established Panoro with a full operating organization in Tunisia

- 25 staff in Tunisia transferred to Panoro, now headed by an experienced Tunisian GM with distinguished 40 years career with OMV, ETAP amongst others
- Experienced organisation with technical, operational and administrative capabilities
- Office in Tunis and warehouse in Sfax
- Integration progressing well and according to plan
- Substantial cost pool in Sfax exploration permit provides future tax benefit
- Valuable existing materials inventory for drilling activities





# OVERVIEW OF SFAX OFFSHORE ASSETS (“SOEP”)

THREE EXISTING DISCOVERIES AND 250 MMBLS OF EXPLORATION INVENTORY - ADJACENT TO EXISTING INFRASTRUCTURE

## SALLOUM DISCOVERY

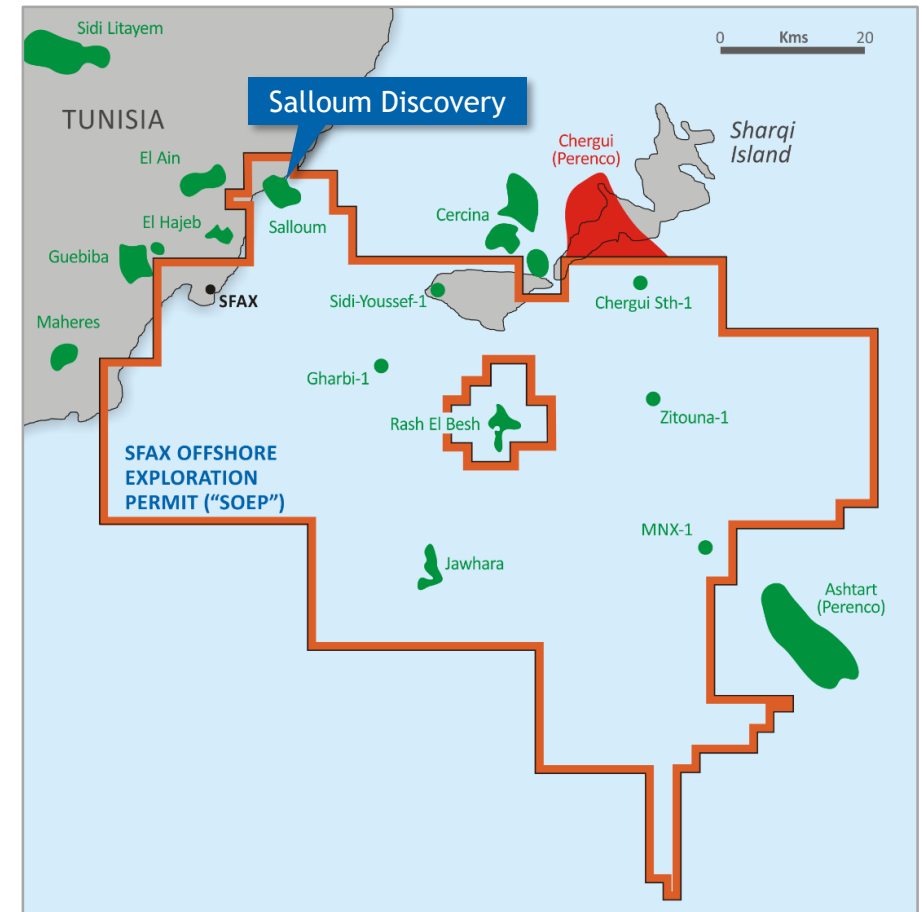
- Discovered in 1991 by BG and 3D seismic in 2007
- Potential for production wells to be drilled from onshore and tied back to existing infrastructure
  - Very low OPEX and CAPEX
- Estimated recoverable reserves of approx. 5 mmbbls
- Currently working towards permit renewal and renegotiation of unfulfilled work obligations (current expiry December 2018)

## OTHER DISCOVERIES AND EXPLORATION PLAYS

### Substantial 3,228 km<sup>2</sup> exploration permit offshore Tunisia

- 400 million barrels already produced in surrounding blocks
- Close to existing infrastructure and producing fields, with spare capacity in pipelines and facilities
- DNO acquired new seismic in 2014
- Total of 15 mmbbls discovered between Ras El Besh and Jawahra
- 13 additional exploration targets identified over the permit - total P50 unrisked volumes of 250 mmbbls

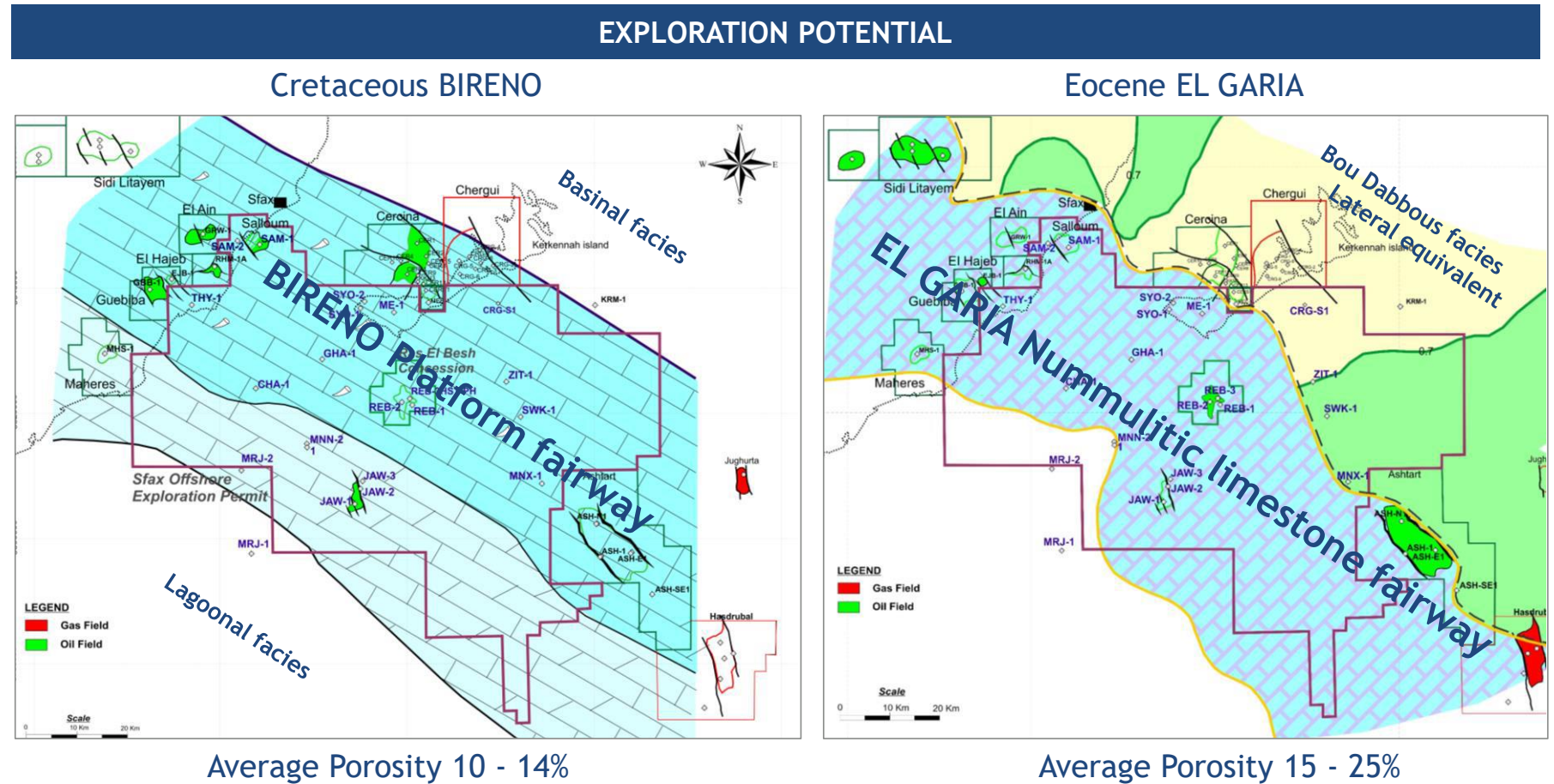
## ASSET OVERVIEW



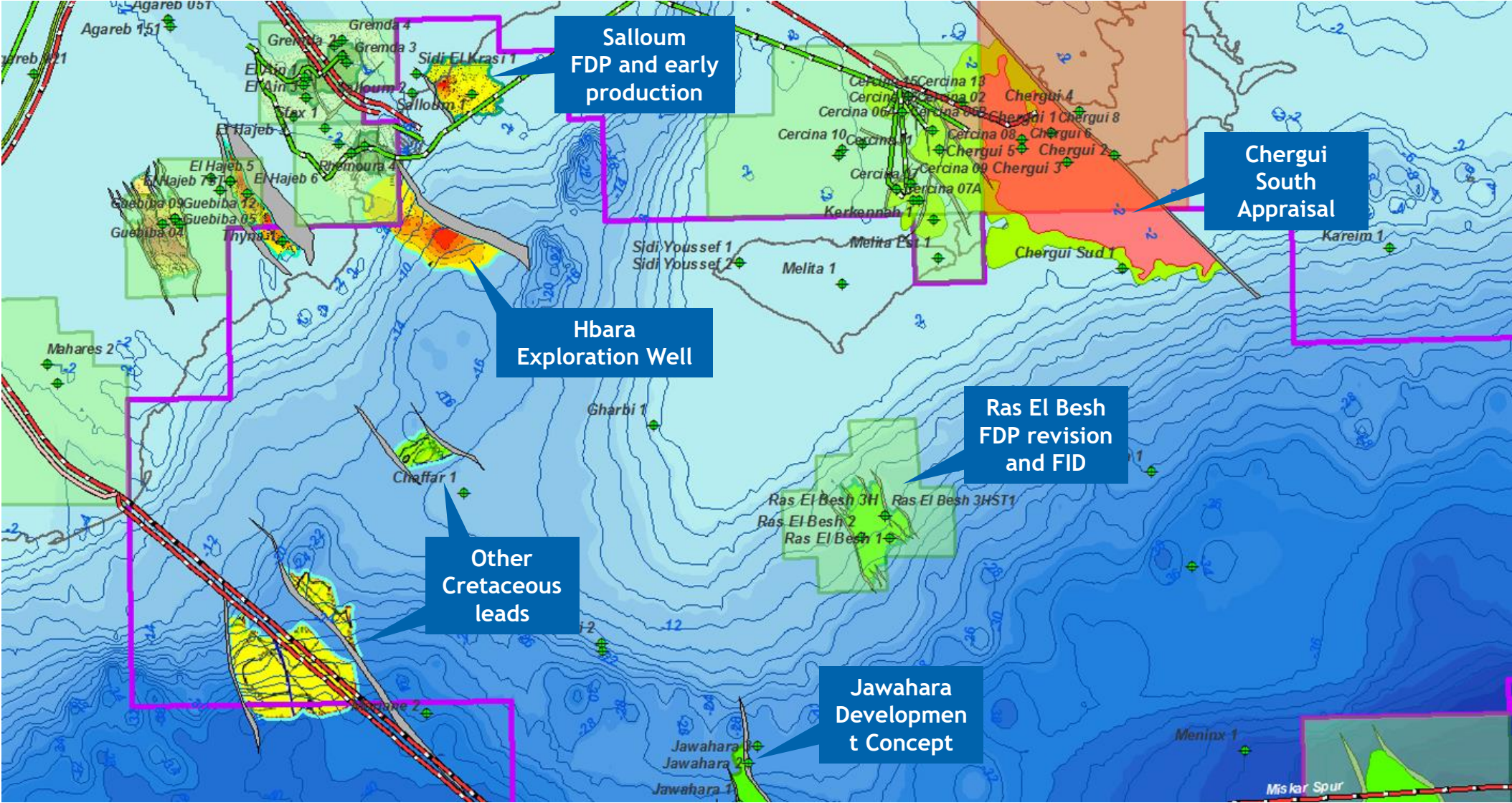
# SOEP - FURTHER EXPLORATION POTENTIAL

A NUMBER OF PROSPECTS IDENTIFIED ON THE PERMIT, PROVIDING FURTHER UPSIDE POTENTIAL THROUGH EXPLORATION

- The Permit is located within 2 prolific reservoir fairways
- Cretaceous carbonate platform and the El Garia fairways are almost superimposed
- Multiple exploration targets - 13 prospects already identified over the permit



# ILLUSTRATIVE UPSIDE ACTIVITY



Corporate Presentation

# AJE Nigeria



Panoro Energy

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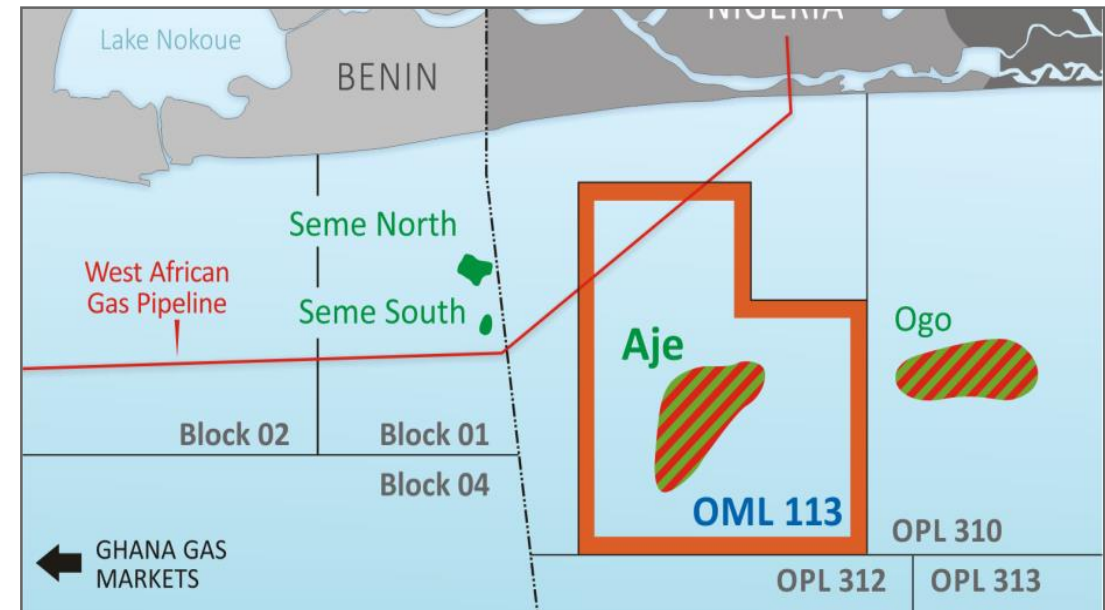
# OML 113 AJE LICENSE OVERVIEW

- **Large oil and gas accumulation offshore Nigeria**
  - Discovered in 1997 in water depth of 100-1,500m
  - Fully appraised field by 4 wells in three reservoirs
  - 127.1 MMboe certified 2P reserves (20.0 MMboe net)<sup>1</sup>
  - Recent arbitration settled January 2018
  - JV payable position being repaid through crude sales
  
- **Developed with 2 wells tied back to an FPSO**
  - FDP approved by Nigerian Government in 2014
  - First oil achieved May 2016
  - Currently producing ~400 bopd (net) from the Aje-4 and Aje-5 wells
  - Received Ministerial consent for a 20 years license renewal<sup>2</sup>
  
- **Material upside in gas development**
  - FDP for Phase 2 gas development submitted in 2017
  - Development will include dedicated Turonian wells to produce gas and liquids
  - Gas to be sold into WAGP or Lagos markets; \$4/mcf gas prices

1. From AGR report 2018. The revised net 2P reserves of 20.0 MMboe at Aje is a significant increase mainly a result of the reclassification of 19.6 MMboe of 2C Contingent Resources

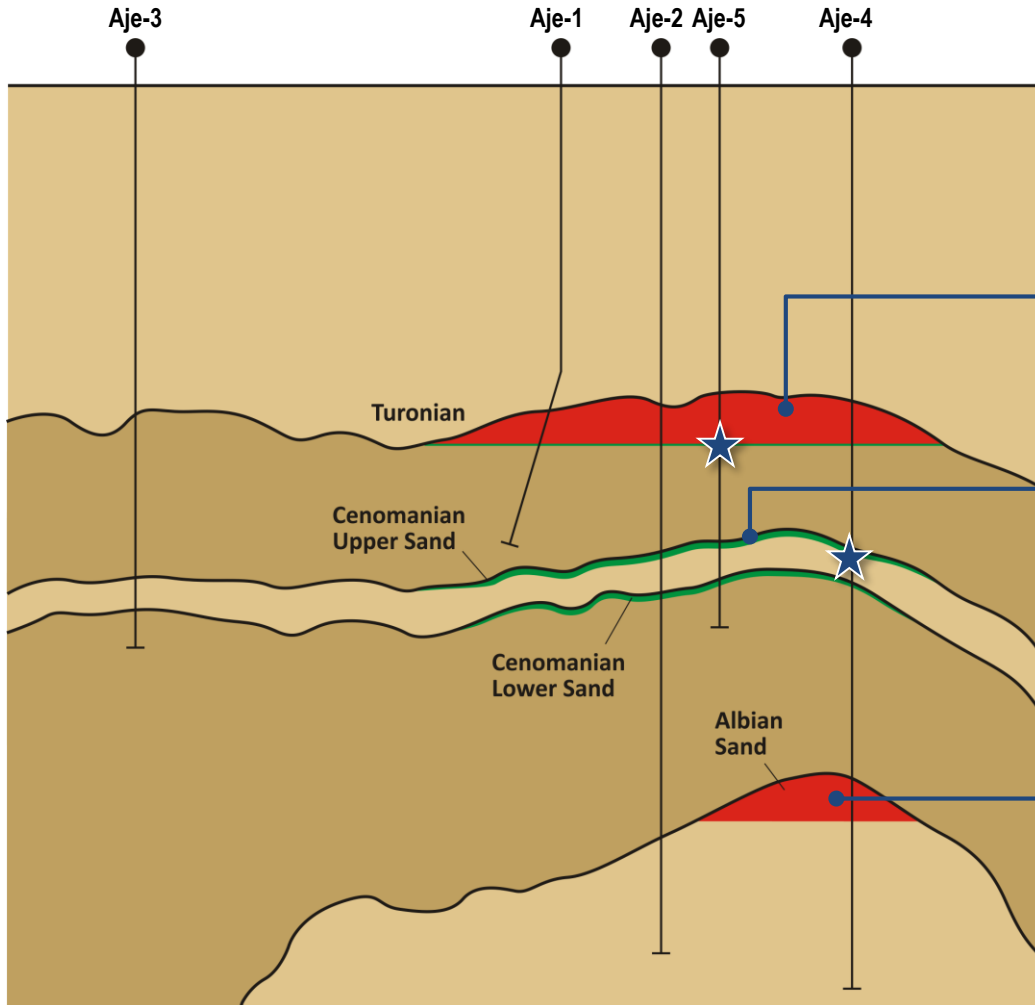
2. Subject to the satisfaction of customary financial conditions and a commitment to exploit the Turonian gas potential

PROJECT INFORMATION	
Operator	Yinka Folawiyo Petroleum
Revenue Interest	Initially 12.19%
Paying Interest	16.255%
Working Interest	6.502%
Other Partners	NewAge, EER, MX Oil



# OML 113 AJE FIELD

## PRODUCTION FROM BOTH TURONIAN AND CENOMANIAN



### TURONIAN

- MATERIAL DISCOVERED GAS AND LIQUIDS RESERVE & RESOURCE - 124 MMBOE GROSS
- AJE-5 CURRENT PRODUCTION

### CENOMANIAN

- AJE-4 CURRENT PRODUCTION
- FURTHER WELLS POSSIBLE

### ALBIAN

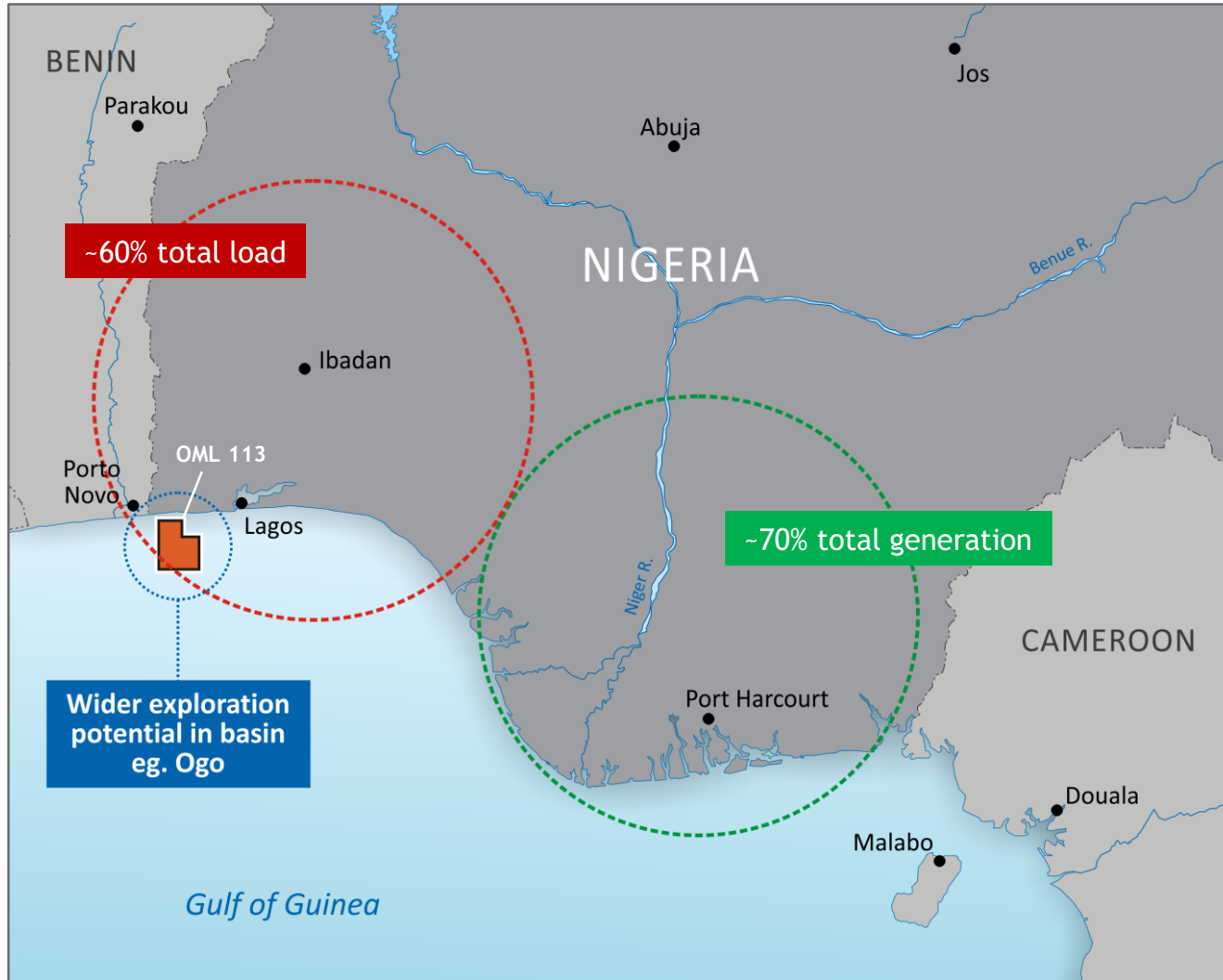
- FURTHER GAS AND CONDENSATE UPSIDE

# NIGERIAN GAS IN CONTEXT

- 7<sup>th</sup> largest population in world (180 million people)
- Largest economy in Africa
- 9<sup>th</sup> largest gas reserves in world
- Domestic gas prices rising (>\$3.50/mscf)
- Nigerian gas production for domestic power: 600 mmscf per day, while demand is estimated at 2700 mmscf per day
- Large infrastructure investment required in order to meet local demand
- Due to irregular supply of electricity, Nigerian businesses and families estimated to spend \$22 billion per annum to buy diesel for power generation



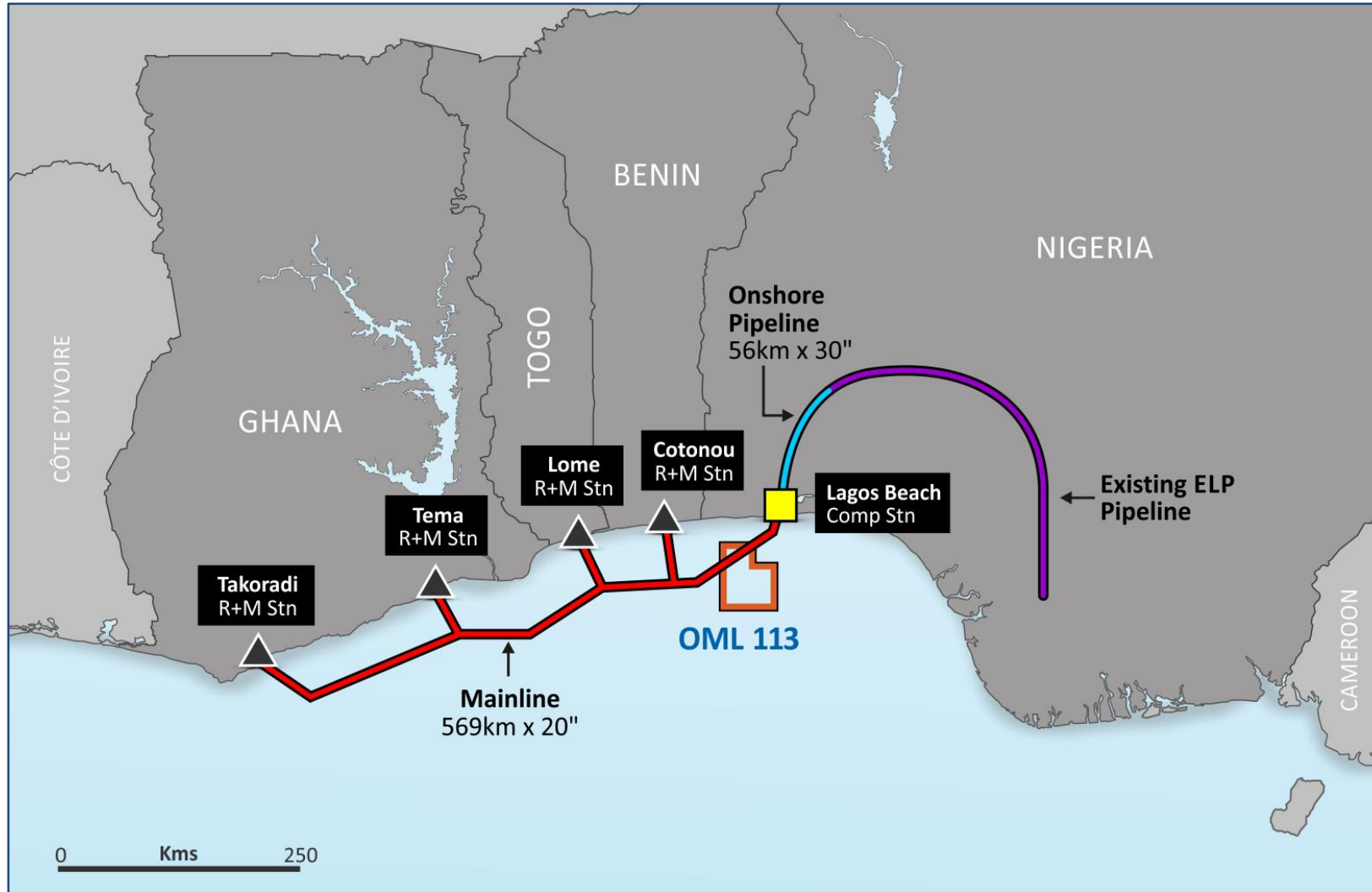
# OML 113 GAS RESOURCES IN CONTEXT



- Nigerian installed gas fired power generation capacity estimated at 10,000 MW
- Only 3,600 MW actually generated largely due to gas constraints
- Generation generally in the West (70%) while consumption is weighted to the West
- Infrastructure constrained
- OML 113 strategically located near large gas markets near Lagos and the West Africa pipeline



# WEST AFRICAN GAS PIPELINE



WAGP is owned by Chevron, Nigerian National Petroleum Corporation (NNPC), Shell, Ghana, Togo, Benin

NNPC Contractual obligation to send via WAGP 120 MMscf per day

Capacity of 800 MMscfpd

Net backs \$4/mcf

# AFRICA STRATEGY

- Build business through M&A
- Use existing regional knowledge base and strong local network
- Prioritise Gabon and Tunisia
- Cooperation with industry and financial co-investors
- Evaluate both oil and gas opportunities
- Focus primarily on production and development assets, operated or non operated
- Maintain strong financial discipline



# Panoro Energy

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