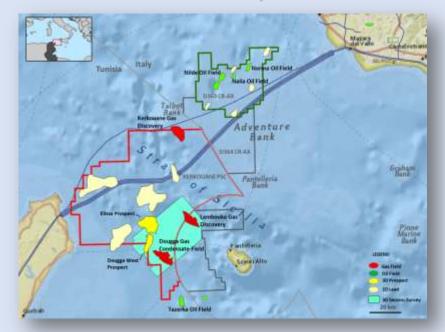




## **121 OIL & GAS CONFERENCE**

**30 OCTOBER 2017, LONDON** 



## **ADX ASSETS & STRATEGY**

"A PIVOTAL PERIOD AHEAD"

A European focused appraisal and development company
By Ian Tchacos

www.adxenergy.com



## **DISCLAIMER**



This document has been prepared by ADX Energy Ltd for the purpose of providing an activity update to interested analysts/investors and shareholders. Any statements, opinions, projections, forecasts or other material contained in this document do not constitute any commitments, representations or warranties by ADX Energy Ltd or its directors, agents and employees. Except as required by law, and only to the extent so required, directors, agents and employees of ADX Energy Ltd shall in no way be liable to any person or body for any loss, claim, demand, damages, costs or expenses of whatsoever nature arising in any way out of, or in connection with, the information contained in this document. This document includes certain statements, opinions, projections, forecasts and other material, which reflect various assumptions. The assumptions may or may not prove to be correct. ADX Energy Ltd recommends that potential investors consult their professional advisor/s as an investment in the company is considered to be speculative in nature.

#### **CONTINGENT RESOURCES & DEFINITIONS**

**Tunisia:** Refer to ASX announcements 26/9/2012 (contingent) and 6/9/2013 (prospective). **Italy:** Refer to ASX announcements 17/2/2016 & 14/2/2017 (contingent) and 21/4/2016 (prospective). **Romania:** Refer to ASX announcement 8/8/2017 (contingent and prospective). ADX confirms that it is not aware of any new information or data that affects the information included in those market announcements and that all the material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

Contingent Resources: those quantities of petroleum estimated, as of a given date, to be potentially recoverable from known accumulations but, for which the applied project(s) are not yet considered mature enough for commercial development due to one or more contingencies.

1C, 2C, 3C Estimates: in a probabilistic resource size distribution these are the  $P_{90}$  (90% probability),  $P_{50}$ , and  $P_{10}$ , respectively, for individual opportunities. Totals are by arithmetic summation as recommended under PRMS guidelines. This results in a conservative low case total and optimistic high case total.

#### Persons compiling information about Hydrocarbons.

Pursuant to the requirements of the ASX Listing Rules 5.41 and 5.42, the technical and resource information contained in this presentation has been reviewed by Paul Fink, Technical Director of ADX Energy Limited. Mr. Fink is a qualified geophysicist with 23 years of technical, commercial and management experience in exploration for, appraisal and development of oil and gas resources. Mr. Fink has reviewed the results, procedures and data contained in this presentation and considers the resource estimates to be fairly represented. Mr. Fink has consented to the inclusion of this information in the form and context in which it appears. Mr. Fink is a member of the EAGE (European Association of Geoscientists & Engineers) and FIDIC (Federation of Consulting Engineers).

## **CORPORATE OVERVIEW**



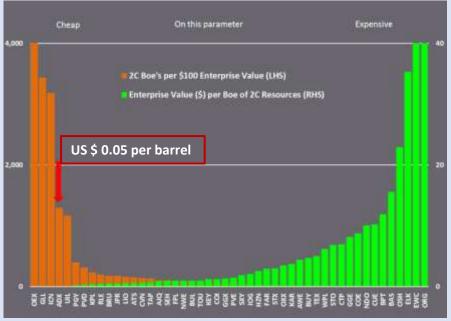


# Assets Across Mediterranean and Central Europe

- ✓ Operated Assets @ 100% Equity
- ✓ Material Contingent Resources
  - 200 million barrels 2C Total
- √ 3 transformational appraisal and development assets
- √ Targeting appraisal in 2018
- ✓ Rich near field exploration portfolio
- ✓ Multiple funding pathways suits current investment climate
- ✓ Enabling partnerships expanding financial and technical capability
- Our Goal is to Convert a Material Contingent Resource to Reserves in the next 18 months

#### **Capital Structure**

ASX Code	ADX
Shares on Issue	1098 million
No of Shareholders	2,545
Market Cap @ 1.4cents	\$15.4 million
Cash at 30 Sept 2017	A\$ 2.4 million

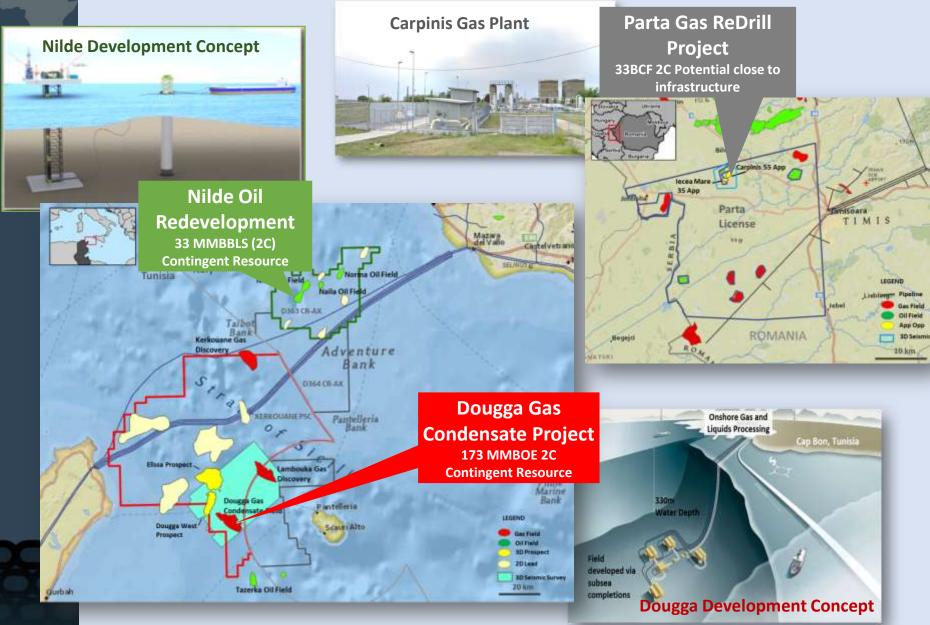


Source: Resource Invest

## **APPRAISAL & DEVELOPMENT PORTFOLIO**



- OFFSHORE MEDITERRANEAN AND ONSHORE ROMANIA



## PORTFOLIO & CORPORATE DEVELOPMENT



#### **KEY ASSET ATTRIBUTES:**

#### **ASSET & CORPORATE DEVELOPMENT**

#### **Nilde Oil Field (Offshore Sicily)**

- Oil field prematurely abandoned in the 80's with 33mmbls 2C resource remaining
- One well produced 10,000 bopd for 6 years
- Excellent economics expected due to high production rates (20,000 bopd), low capex per barrel and low fiscal take.

#### **Dougga Gas Liquids Discovery (Offshore Tunisia)**

- Large Gas Resource with high liquids content (173 mmboe 2C) discovered in the 80's, tested but productivity not established. No gas market at the time.
- Appraisal well targeting 600m gas column mapped on 3D seismic
- Recent development studies indicate viable subsea development with long lived production
- Excellent market for gas and liquids in Tunisia

#### Parta Gas Re-drill Project (Onshore Romania)

- 2 proven gas drilling opportunities targeting 33Bcf resource defined on 3D seismic
- Excellent economics due to low drilling & capex, high gas price and low royalties
- Rapid cash flow due to proximal infrastructure

Convert Large
Resource Base to
Reserves

Compliment
Resources with
Production

Source of Capital in line with Maturation of Assets

"The combination of all three assets provide an immediate, medium term and long term growth platform at current oil pricing"

## **COMMERCIALISATION STRATEGY**



"All assets have been generated organically and defined in preparation for investment at an asset level ... a pivotal period ahead"

Commercialise

## Appraisal & Development Drilling

• Transformational Break out step?

#### **Attract Funds**

Funding options now underway

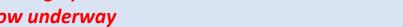
## Demonstrate Asset Potential

- Technical Studies
- Commercial Definition
- Regulatory Alignment
- Partnership Development

#### **Source Assets**

- Identify
- Evaluate
- Secure





## **CAPABILITY - FOCUS ON COMMERCIALISATION 2**



#### **ADX Board**

4 Australia, 1 UK, 1 Europe

#### Geotechnical

Subsurface **Engineering**  **GE Plan Europe** 

**HOT Engineering** Europe

1 Australia\*

3 Europe

2 Australia\*

**Geology and Petrophysics**  Reservoir

Characterization

## Project

**Engineering** 

1 Australian\*

1 Europe

#### **Drilling & Prod. Operations**

1 Australian\*

1 Europe

#### **Brian Chang Holdings**

**Facilities** Engineering & Fab.

#### **Spec Engineering**

Process Eng, Fabrication & Ops.

#### **AWES Well Services**

**Drilling, Engineering** & Management

#### Finance & Corporate

4 Australia\*

**Business Dev &** Commercial

2 Australia\* 1 Europe

- **Core Strengths** Resource Definition,
  - Project Commercialization
  - Strong local relationships and contacts

#### Supplementary Skills

- Reservoir Characterization
- Facilities & Process Engineering
- Drilling & Operations

#### **Government Relations & Commercial**

2 Tunisia\*

2 Italy\*

1 Romania\*



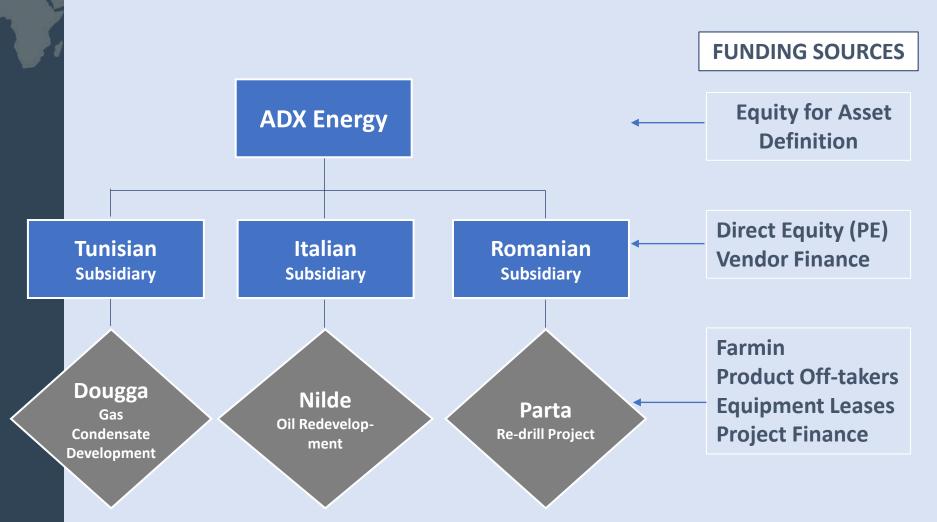
**Internal Position** 



**External (Part time) Consultancy** 

## **FUNDING OPTIONS FOR ASSET DEVELOPMENT**

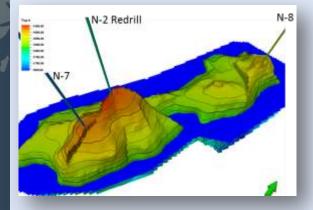


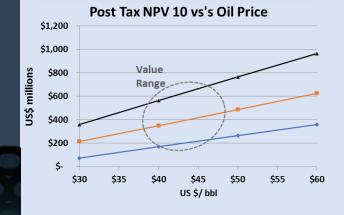


"The Current Industry Environment requires alternative funding models to enable industry players to invest capital and resources directly into projects that are viable at current oil pricing"

## NILDE OIL REDEVELOPMENT - WAY FORWARD







#### **Findings from Recent Studies:**

- High-quality matrix and connected fracture system supports very high well productivities (20,000 bopd from 3 wells)
- Less than 10% recovery factor from interpreted thickest, highest quality "C-zone" section - Majority unproduced
- High quality matrix reservoir with good porosity facilitates resupply/recharge of fracture system since 1980s
- 2 nearby high productivity discoveries remain undeveloped
- Integrated surface facilities solution offers significant well cost, lease & operability improvements over traditional FPSO
- Excellent economics with low break even oil price

#### **Appraisal Objectives: (Re-drill of Nilde-2 production well)**

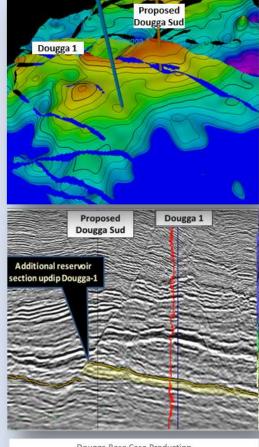
- 1. Productivity of unproduced "C-zone" section
- Fracture Recharge; Present-day OWC
- 3. Confirm volumes to support final investment decision

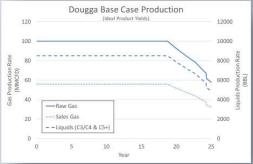
Nilde Resource Base		
2C Contingent Resource <sup>1</sup> :	Nilde: 32.8 MMBBL remaining Norma: 3.9 MMBBL Naila: 1.7MMBBL Permit Total: 38.4 MMBBL	
Prospective Resource <sup>1</sup> :	90 MMBBL (best case estimate)	

Note 1: Refer ASX announcements 17/2/2016 & 14/2/2017 (contingent) and 21/4/2016 (prospective).

## DOUGGA GAS-CONDENSATE PROJECT - WAY FORWARD







#### **Findings from Recent Studies:**

- 3D Seismic mapping indicates ~180m updip potential from Dougga1, with better quality reservoir prognosed and a large gas and liquids contingent resource
- High productivity, dual-porosity system based on conventional log analysis and fracture networks identified on 3D seismic
- Original well tests results are not representative due to drilling damage and aborted test.
- Subsea tie-back to shore development concept confirmed as technically optimal and viable by TechnipFMC study

#### **Appraisal Objectives:**

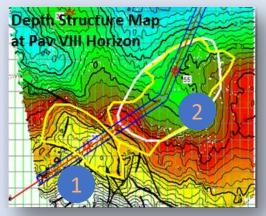
- Drill and test Abiod Formation at the crest of the Dougga structure to confirm:
  - 1. Thickness and composition of gas column
  - 2. Reservoir quality and deliverability of Abiod Formation
- Determine well numbers for optimal development

Kerkouane PSC Resource Base			
2C Contingent Resource:	Dougga:	517 Sales Gas 91 MMBBLS (LPG & Cond) 173 MMBOE	
Prospective Resource:	1027 MMBOE (Best Estimate)		

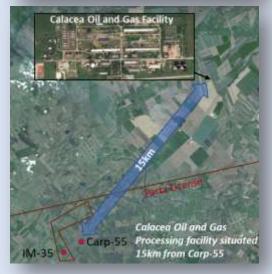


## PARTA GAS REDRILL PROJECT – WAY FORWARD





# Initial Two Drilling Opportunties NE SW



#### **Findings from Recent Studies:**

- Amromco renounced lecea Mare Production Licence in 2016, and ADX acquired Amromco's existing 3D dataset
- 2 redrill opportunities in Parta license identified from existing discoveries in addition to the significant exploration potential.
- 3D seismic amplitudes appear to correlate with tested gas pools
- Gas wells can be brought into production quickly, with the Calacea Oil and Gas Processing plant only 15km to the NW.

#### **Appraisal Objectives:**

- Re-drill and test two discoveries to confirm:
  - 1. Productivity of gas saturated reservoirs
  - 2. Appraise/explore new potential gas reservoirs
  - Presence and composition of hydrocarbons
- Complete wells for tie back to Calacea Gas Facility (15km NE)

IM-35 and Carp55 Resource Base				
2C Contingent Resource <sup>1</sup> :	IM-35 Carp-55 <b>TOTAL</b>	3.2 BCF Rec Gas 17.4 BCF Rec Gas <b>20.6 BCF Rec Gas</b>		
Prospective Resource: (best estimate)	IM-35 Carp-55 <b>TOTAL</b>	4.8 BCF Rec Gas 8.0 BCF Rec Gas 12.8 BCF Rec Gas		

## **CORPORATE GROWTH PROPOSITION**



### **Portfolio Development**

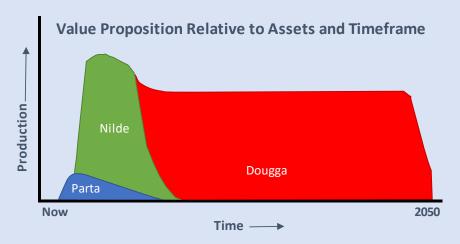
- Immediate, short and long term growth opportunities
- Value accretion possible at every step
- Increasing capital requirements offset by greater financial capacity

#### **Asset Definition and Funding**

- 100% equity has enabled rapid definition and funding at asset level
- Ability to utilise subsidiary equity or project equity to fund value realisation

#### **Corporate Progression and Value Recognition**

- Arms-length transaction at asset level will demonstrate see-through value at a corporate level
- Exposure to more sympathetic capital markets



## **SUMMARY OF OPPORTUNITY**



**WHAT:** A Large Appraisal and Development Resource

**WHERE:** Offshore Sicily Channel and Onshore Romania

#### **WHY:** Portfolio ready for exploitation

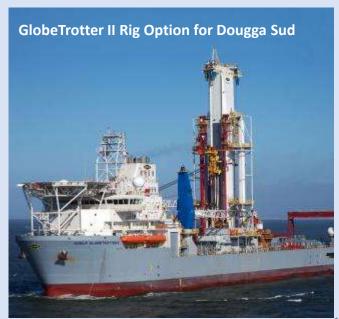
- ➤ Nilde a half-produced gem fortuitously recognised and re defined using historical data as well as modern geological and reservoir modelling techniques
- ➤ **Dougga** a large gas liquids resource ignored due to lack of market, poor definition prior to 3D seismic and then Arab dislocation now redefined with modern geological modelling and concept studies utilising sub sea technologies

Parta – combination of tested gas and gas shows in historical wells that are defined on 3D seismic.

#### **WHEN:** Planned activities over next 18 months

- A. Nilde Appraisal and Testing
- B. Onshore Romania Re-drill wells
  - capable of rapid tie-in & cash flow
- A. Dougga Sud Appraisal and Testing

"Poised for the next phase of growth - a big prize for matching the right capital to our assets and unlocking their potential"







Ian Tchacos
Paul Fink

Executive Chairman
Chief Executive

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