

Q1 2023

# CORO ENERGY PLC A SOUTH EAST ASIAN LOW CARBON ENERGY BUSINESS

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## EXECUTIVE SUMMARY

- A South East Asian focused low carbon energy business, blending a high quality gas portfolio with early stage but growing renewables exposure
  - 15% Interest in Duyung PSC containing Mako Gas field in Indonesia; 437 Bcf discovered gas resource (gross) with the intent to feed Singapore markets
  - Italian producing gas portfolio (Annual free cash flow estimated at €5m) held for divestment
  - Revenue producing 3MW Vietnamese rooftop Solar project with a further 3.25MW acquisition under exclusivity
  - 100MW Solar and 100MW onshore wind projects in Philippines (development stage)
    - 20.3% equity interest in IoN Ventures, a private developer of flexible power assets

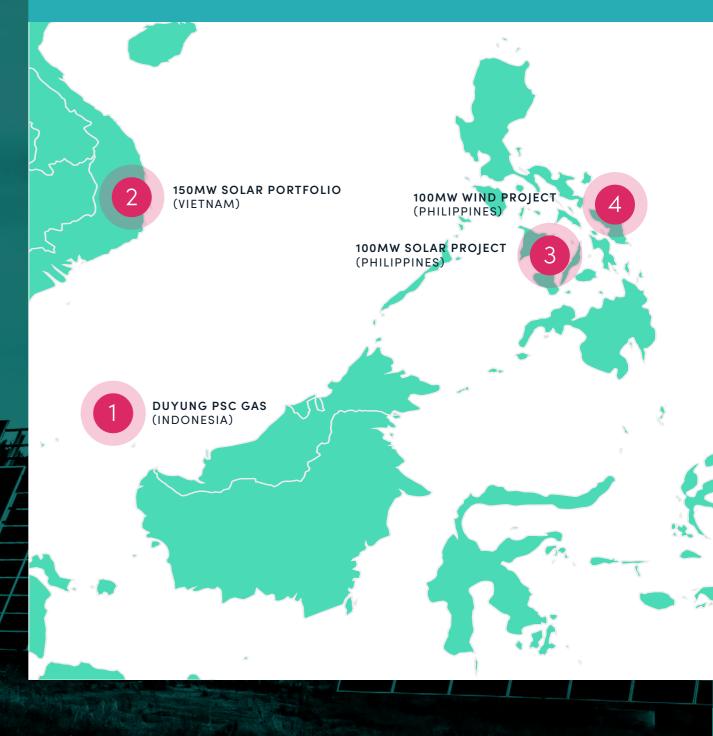
Coro Energy plc's equity essentially a leveraged play on commodity prices (Duyung NPV10 US\$87M - net to Coro at USD80/bbl)

### STRATEGY

- Support operator of Duyung to secure GSA, reach FID and possibly farm out and / or monetise earlier given current strong global gas backdrop
- Increasing deployment of capital into Asian renewables projects
- Continue to evaluate new projects in the region across oil, gas and clean energy

## EXECUTIVE SUMMARY

#### SOUTH EAST ASIA PORTFOLIO





## THE TEAM



## James Parsons Executive Chairman

Experienced AIM Chairman with over 25 years' experience in the fields of strategy, management, finance and corporate development

Qualified accountant and has a BA Honours in Business Economics



## Leonardo Salvadori Managing Director (Oil & Gas)

Leonardo has over 30 years of international exploration, business development and general management experience.

He has worked in Libya and Norway as an explorationist and in Italy with exploration and new venture roles, focussing on international asset evaluations, portfolio development and corporate acquisitions.



## Stephen Birrell

#### Independent Non-Executive Director

Non-Executive Director of Ascent Plc, director of Ossian Energy Limited and president of ROPEPCA, the upstream oil and gas operator association of Romania. Spanish speaking geoscientist with over 35 years experience in the upstream oil and gas industry.

BSc Honours in Applied Geology



## Marco Fumagalli Non-Executive Director

Non-Executive Director & Managing Partner with over 25 years' experience in private equity, infrastructure, energy and biosciences, among others

Qualified accountant with a degree in Business Administration

## THE TEAM



## Michael Carrington

Managing Director (Renewables)

30 years' experience of energy efficiency and clean tech generation in the built environment, including strategic management, acquisition integration, research development, commercialisation, origination, due diligence and project pre-development across Europe, UK and ASEAN countries.



## Ewen Ainsworth Chief Financial Officer

Non-Executive Director of Corcel Plc and CEO of Discovery Energy Limited, an advisory, consultancy and investment company with over 30 years experience in a variety of board level roles.

Qualified accountant



## Mark Hood

#### Non-Executive Director

Over 20 years' experience in utility scale energy projects at all stages of development and asset transition, and rejuvenating off track organisations and projects

Qualified Project Manager with PMP and a MSc in Project management



## WHY SOUTH EAST ASIA?

Rapid GDP growth will increase energy demand

2020-2040

20,000

15,000

5,000

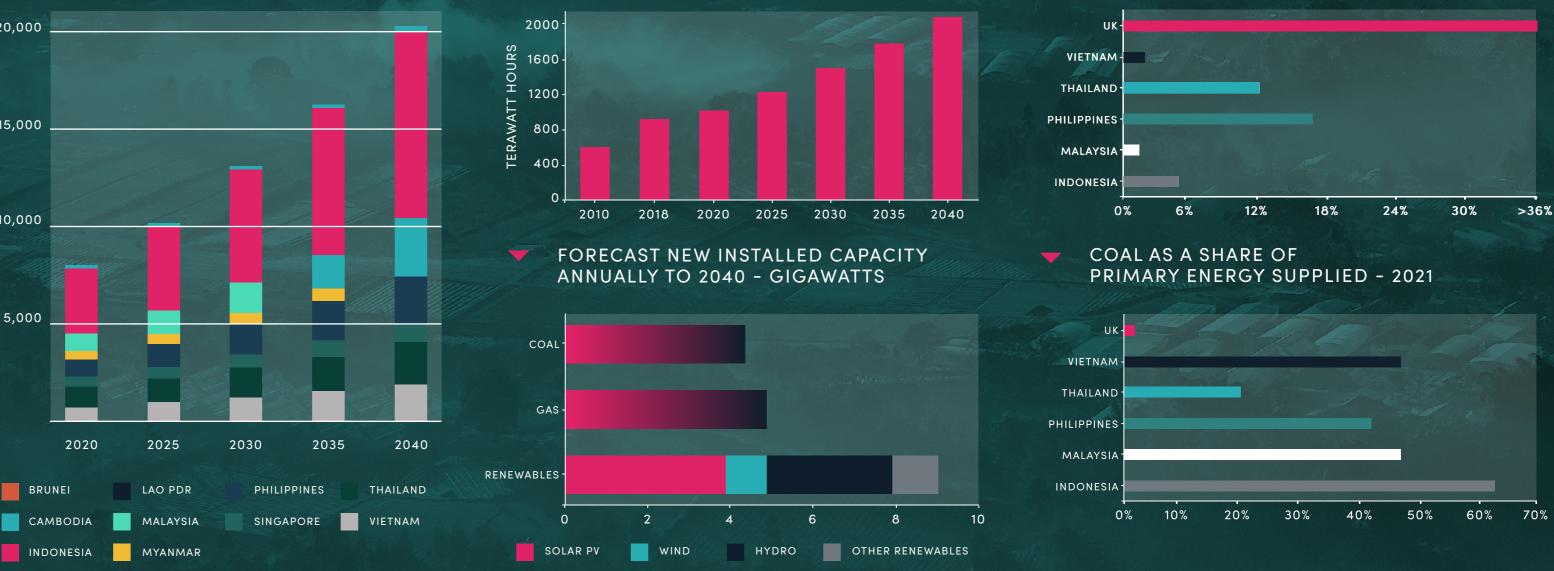
BRUNEI

BILLION USD 10'000

PROJECTED ASEAN GDP GROWTH,

Significant new annual investment in renewables is forecast to 2040 to meet growing demand

ELECTRICITY DEMAND



#### SOURCE: 6TH ASEAN ENERGY OUTLOOK 2020

SOURCE: IEA 2019

## WHY SOUTH **EAST ASIA?**

Governments noted to be shelving coal projects in favour of clean energy substitutes

#### **RENEWABLES AS A SHARE OF PRIMARY ENERGY SUPPLIED - 2021**

SOURCE: BP STATISTICAL REVIEW OF WORLD ENERGY 2021



CASINA CASTELLO (BEZZECCA)

# ITALIAN GAS PORTFOLIO OPERATED

## **ASSET OVERVIEW**

- Strong Milan based operational team with extensive track record of managing the portfolio
- Production mainly from two discoveries:
  - Bezzecca : 15k scm/d
  - Rapagnano : 5k scm/d
- Annual free cash flow estimated at €5m
- Six production concessions containing 209 MMscm of 2P gas reserves (at 31 December 2021) and one exploration permit

## ASSET DIVESTMENT

 Option awarded to divest for up to €7.5M, with cash flows during option period accruing to Coro

ITALIAN

PORTFOLIO

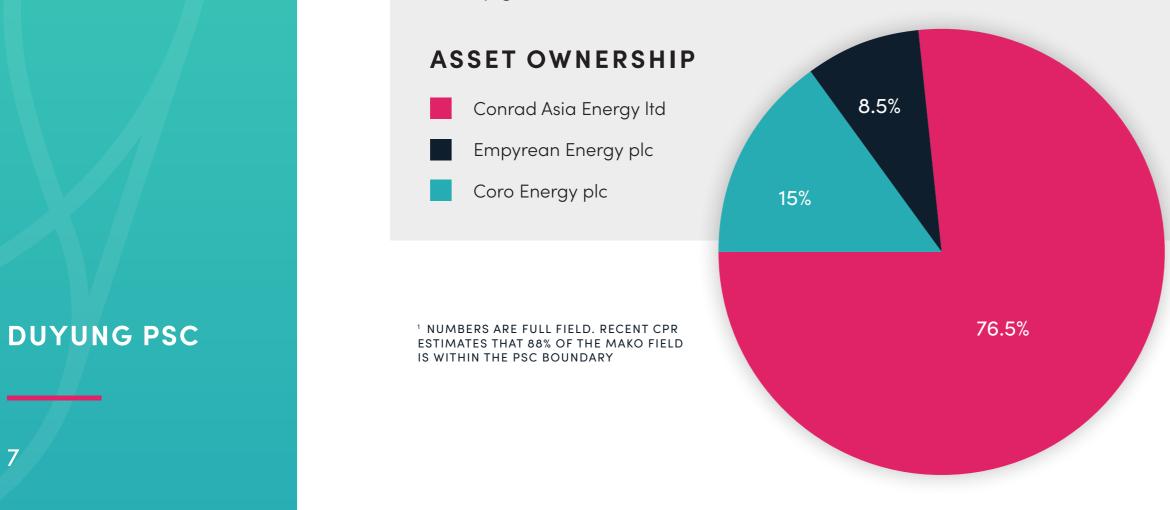




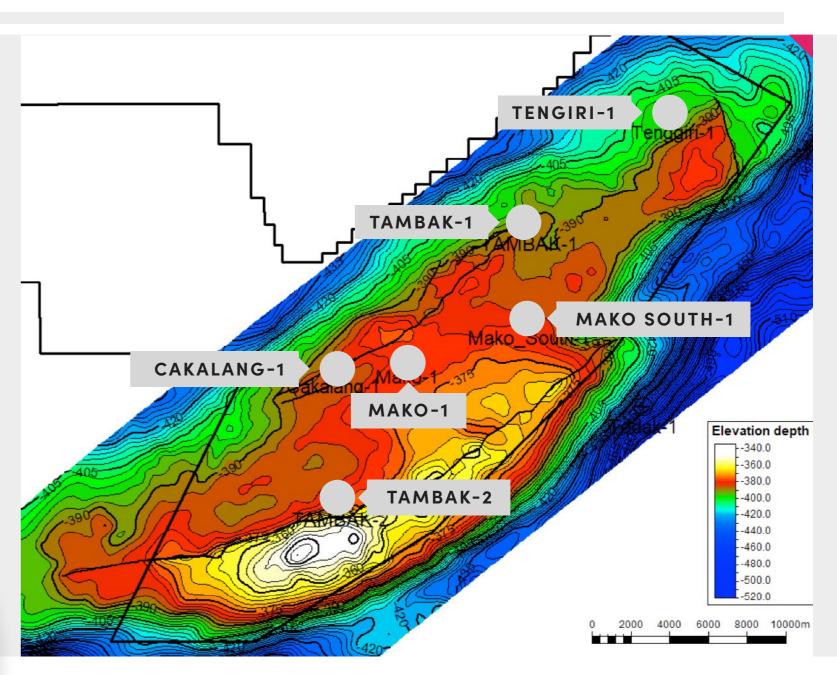
## **DUYUNG PSC**

## ASSET OVERVIEW

- Located in the West Natuna basin
- Shallow, Intra-Muda sandstone reservoir
- Six wells have penetrated the field to date
- Two wells successfully flow tested at rates of approx. 9MMscf/d to 11.4MMscf/d
- Demonstrated large, single tank reservoir
- Dry gas, no H2S, low CO2, ~ 97% methane



## **NON-OPERATED**



#### **RESOURCE OVERVIEW**

Mako resources <sup>1</sup> (gross, full field)	Low	Best	High
Pre-Drill estimates	184	276	392
Gaffney Cline & Associates – Aug 2022	249	437	779



## RELEASING VALUE FROM **DUYUNG PSC**

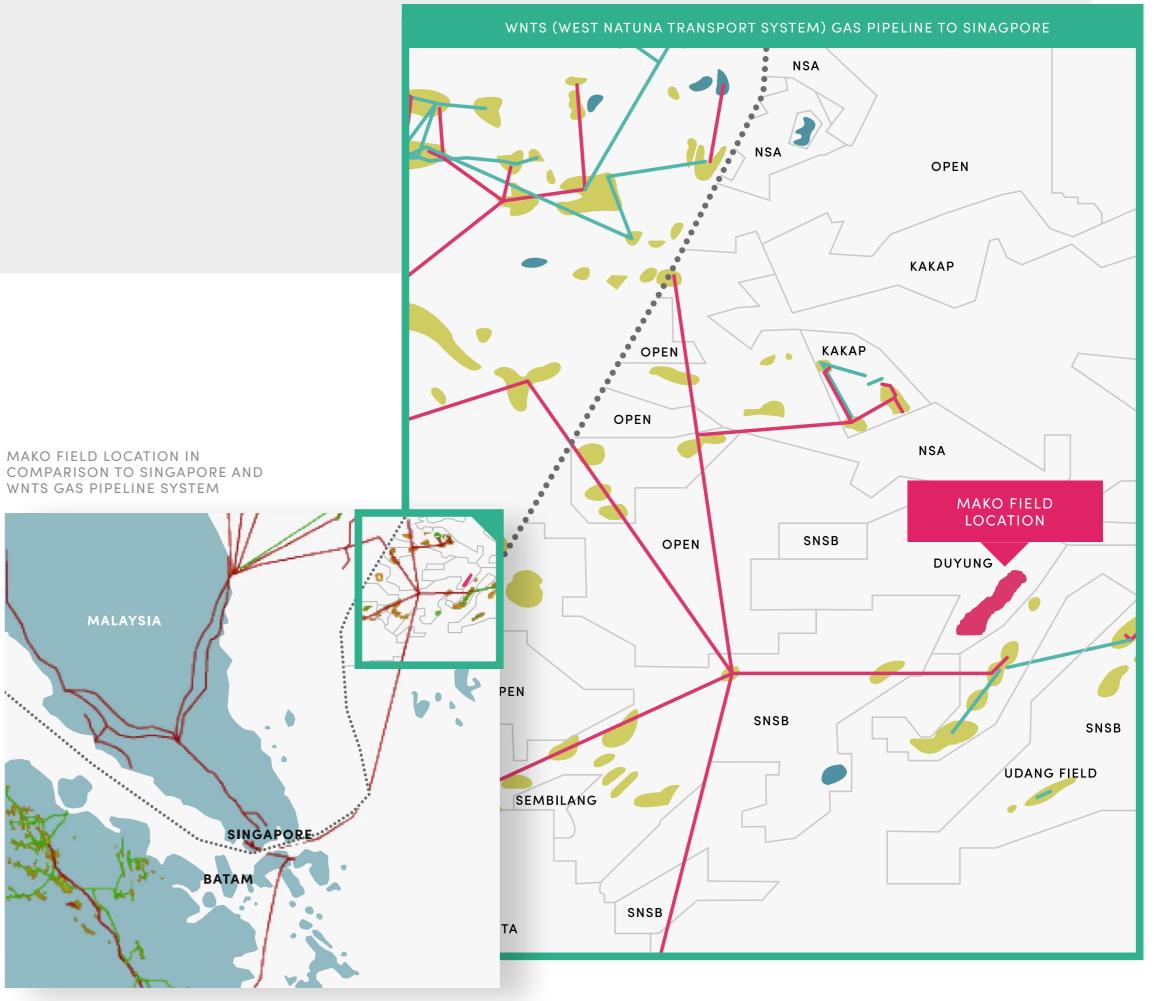
## **DUYUNG PSC: FORWARD PLAN**

- Close to existing infrastructure, with gas evacuation through third party operated West Natuna Transportation System (WNTS), which delivers gas directly to Singapore
- Approved partner Plan of Development:

V

- NPV10 net to Coro US\$87M at a US\$ 9.97/Mscf (US\$80 Brent)
- Coro's Capex requirement to first gas is US\$38M net
- Plateau Production of 120MM SCF/d for 6 years (best-case)
- Alternatives to fund FID include:
  - Farm out targeting carrying position
  - Sale of the asset
  - Up to 60% leverage (RBL)

#### MAKO FIELD LOCATION IN WNTS GAS PIPELINE SYSTEM





## VIETNAM PORTFOLIO

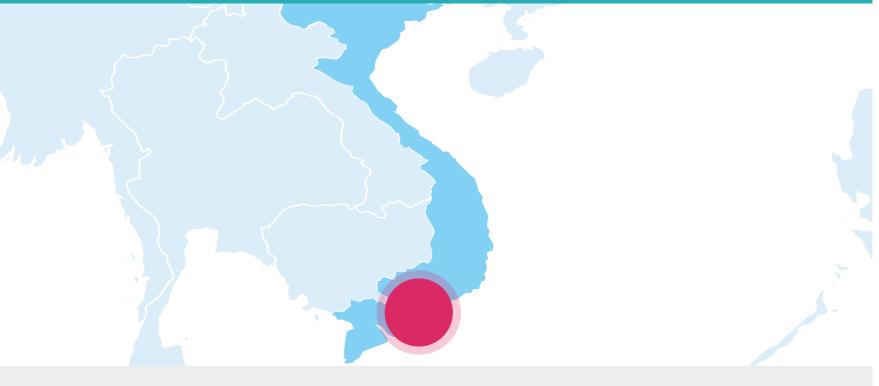
## VIETNAM ROOFTOP SOLAR PORTFOLIO

3MW pilot project revenue producing Heads signed to acquire further 3.25MW existing project for US\$1.7M: - Assumption by Coro of c.US\$1.0 million of existing specialist renewables debt with a Vietnamese bank; US\$0.2 million payable on completion of any acquisition in new ordinary shares in the Company, locked in for 18 months from completion; US\$0.25 million in cash; Overview A further US\$0.25 million in cash in six equal Offtaker monthly instalments from completion. PPA Capital dep Target IRR Payback Revenue

9

## (85% NET TO CORO)

### AREA OF PROJECTS



	3MW Pilot Project	3.25MW Acquisition
	Phong Phu Corporation (Vietnamese textile manufacturer)	Electricity Vietnam (EVN)
	25 years minimum	18 years remaining
	Take or Pay contract	EVN 100% export contract
	7.3 US cents (equivalent) per kWh	8.38 US cents (equivalent) per kWh
ployed	US\$1.9m	US\$1.7 million
	17% (approx.)	15.5% (approx.)
	6 years	_
	c. US\$320,000 pa.	c. US\$390,000 pa.



## PHILIPPINES PORTFOLIO

# PHILIPPINES SOLAR AND WIND PROJECTS

## 100MW utility scale Solar

- 2 x Pre development projects approximately 6 months from RTB status
- Currently prioritising land access, PPA, Energy service contracts
- Pre-development cost of US\$1.2m to secure RTB then US\$100m required (targeting 75% debt)

- Targeting IRR between mid-teen to mid twenties
- Potential to sell projects at RTB ( current market is c. US\$200k per MW)



#### **Technical summary**

Global horizontal irradiation	1,885.1 kWh/m2
Direct normal irradiation	1,504.5 kWh/m2
25-year PV power potential:	
Specific photovoltaic power output	1,404 kWh/kWp
Total photovoltaic power output	3,508,981 MWh
Performance ratio	74.6%

## (80% NET TO CORO)

## 100MW utility scale onshore wind

- Pre development project approximately 12 months from RTB status
- 12 month wind data collection process initiated (Lidar measurement campaign and 130m Met mast currently under engineering design)
- Annual production forecast to above 400,000 MWh with average wind speeds of >6m/s and capacity factor in the range of 40-50%
  - Pre-development cost of approx. US\$2m to secure RTB then US\$173M of capital required (targeting 75% debt)
- Targeting IRR between mid-teen to mid-twenties



Technical summary	
Prevailing Wind	ENE
Average wind speeds	6.28 m/s
Capacity Factor (P50)	47%
Technology	3MW Horizontal axis Wind Turbine Generator



## **INVESTMENT SUMMARY:**

Supporting the regional transition to a low carbon economy

- South East Asian energy markets present a compelling investment case for gas and renewables due to increasing energy demand and reliance on coal and oil
- Key focus is development of prolific Duyung asset (key commercial milestones expected shortly) and potential monetisation



## INVESTMENT SUMMARY

# CORO ENERGY PLC INVESTOR PRESENTATION Q4

- Increasing deployment of capital into Asian renewables projects to provide sustainable cash flows (c. mid-teens to mid-twenties IRRs) and look for opportunities to sell projects at RTB for a development fee and carry (immediate value recognition)



# coro energy PLC

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James Parsons – Chairman Ewen Ainsworth – CFO

