

Q2 2022 UPDATE





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## **EXECUTIVE SUMMARY**

#### **EXECUTIVE SUMMARY**

- A South East Asian focused low carbon energy business, blending a strong revenue generating gas portfolio with early stage but growing renewables exposure
  - 15% interest in Duyung gas field in Indonesia; 495 Bcf 2C discovered gas resource (gross) with the intent to feed Singapore markets
  - Italian producing gas portfolio (Annual free cash flow estimated at €5m)
  - 150 MW Vietnam rooftop solar project (development stage) including 3MW pilot (under pre-construction)
  - 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

#### **STRATEGY**

- Utilise existing cash resources and funds from the Italian portfolio to fund Duyung pre FID spend to the end of Q1 2023 (net US\$1m up to FID) and G&A
- Support operator of Duyung to secure
   GSA (expected 2022), reach FID (2023)
   and possibly farm out and / or monetise
  - earlier given current strong global gas backdrop
- Increasing deployment of capital into Asian renewables projects to provide sustainable cash flows (c. targeting mid-teens to mid-twenties IRRs) and look for opportunities to sell projects at RTB for a development fee and carry (immediate value recognition)
- Continue to evaluate new projects in the region across oil, gas and clean energy (a number of oil and gas and renewables projects already under assessment)

#### SOUTH EAST ASIA PORTFOLIO



## ITALY CONCESSIONS



## **EXECUTIVE SUMMARY**



### THE TEAM



James Parsons
Chairman

Experienced AIM Chairman with over 20 years' experience in the fields of strategy, management, finance and corporate development

Qualified accountant and has a BA Honours in Business Economics



Mark Hood
CEO and Executive

Over 20 years' experience in utility scale energy projects; Renewables expert

Director

MSc in Project management



## Michael Carrington

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 predevelopment across Europe, UK and ASEAN countries.



## Ewen Ainsworth CFO

Over 30 years experience as AIM Chairman, including at NTOG

Non-Executive Director of Corcel Plc

Qualified chartered management accountant



Stephen Birrell
Independent NonExecutive 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



# Andrew Dennan Non-Executive Director

Over 10 years' experience in capital markets leading proprietary investment decisions, capital raising, risk oversight and portfolio management

Stepping down at next AGM

4

THE TEAM

## WHY SOUTH EAST ASIA?

 Rapid GDP growth will increase energy demand

20,000

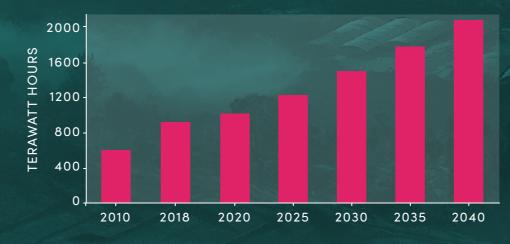
renewables is forecast to 2040 to meet growing demand

Significant new annual investment in

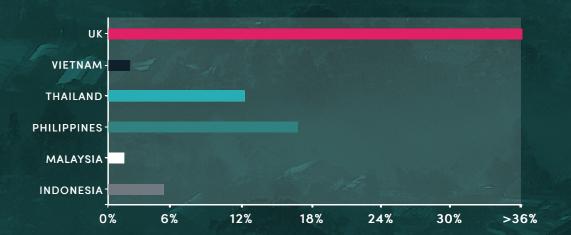
 Governments noted to be shelving coal projects in favour of clean energy substitutes

PROJECTED ASEAN GDP GROWTH, 2020-2040

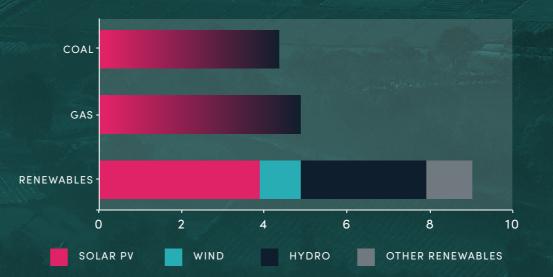




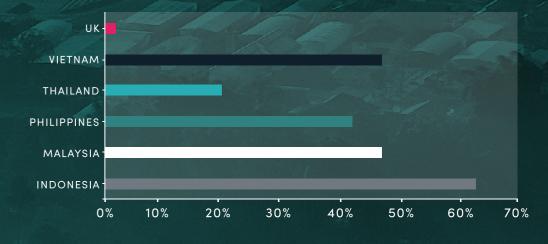
RENEWABLES AS A SHARE OF PRIMARY ENERGY SUPPLIED - 2021

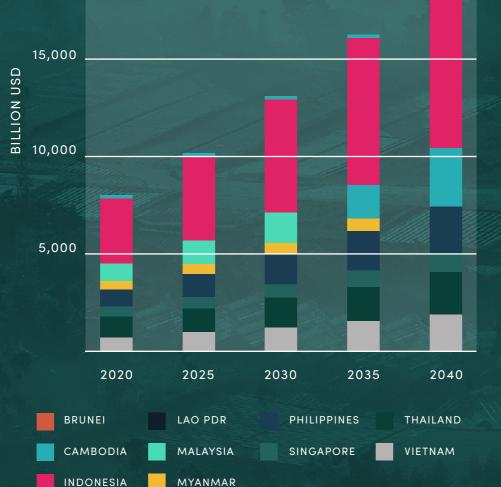


FORECAST NEW INSTALLED CAPACITY ANNUALLY TO 2040 - GIGAWATTS



COAL AS A SHARE OF PRIMARY ENERGY SUPPLIED - 2021





WHY SOUTH EAST ASIA?





**OPERATED** 

#### **ASSET OVERVIEW**

- Strong Milan based operational team with extensive track record of managing the portfolio
- 20k scm/d from two discoveries:
  - Sillaro: 14k scm/d and
  - Rapagnano : 6k 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
- Plan to put Bezzecca into production Q4 2022 targeting additional 5k scm/d
- Opportunities to grow production further subject to availability of capital (balance of capital spend Asia versus Italy)

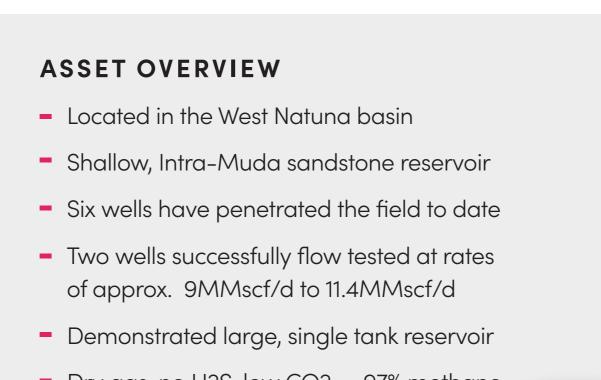
ITALIAN PORTFOLIO





#### NON-OPERATED

## **DUYUNG PSC**



8.5%

76.5%

15%





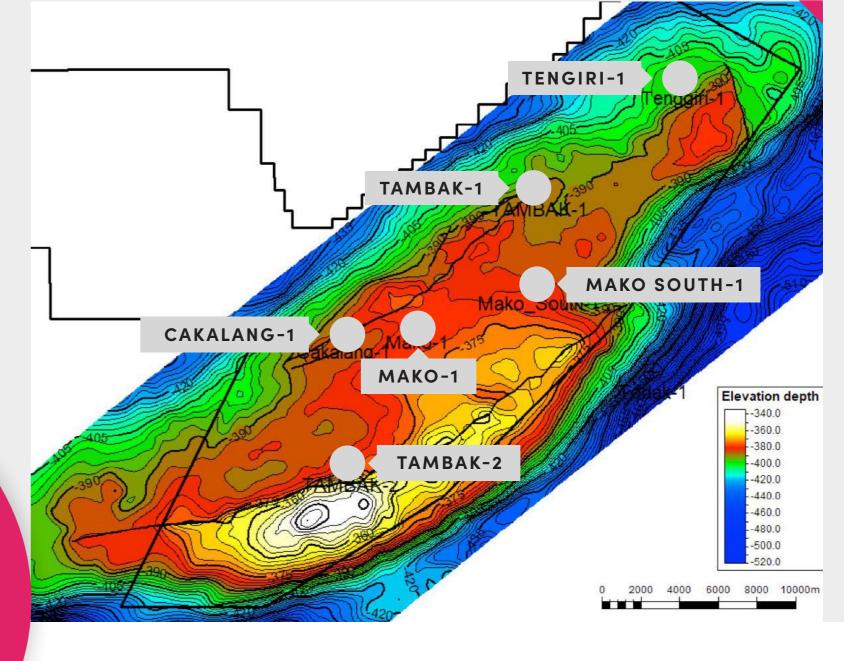
Conrad Asia Energy Itd

Empyrean Energy plc

Coro Energy plc

SOURCE: RESOURCES EXPECTED TO
BE UPGRADED TO RESERVES ONCE KEY
COMMERCIAL MILESTONES ARE ACHIEVED
INCLUDING EXECUTION OF GAS SALES
AGREEMENT AND A FINAL INVESTMENT DECISION

<sup>2</sup> SOURCE: PRE-DRILL ESTIMATES WERE AUDITED BY GAFFNEY CLINE & ASSOCIATES AND PUBLISHED IN JANUARY 2019



#### RESOURCE OVERVIEW

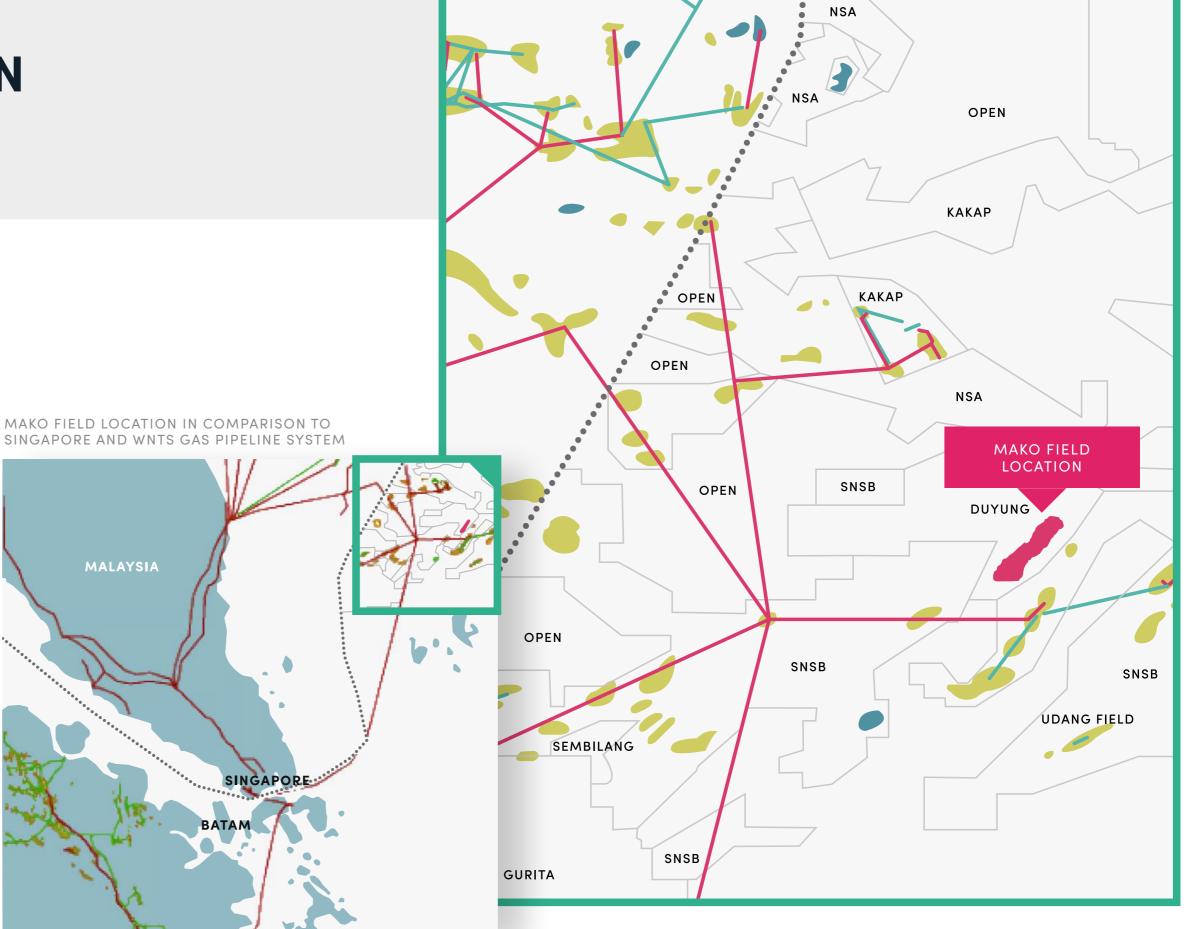
Mako resources¹ (gross, full field)	1C	2C	3C
Pre-Drill estimates <sup>2</sup>	184	276	392
Gaffney Cline & Associates – May 2020	287	495	817

**DUYUNG PSC** 



## DUYUNG PSC: FORWARD PLAN

- Close to existing infrastructure, including third party operated West Natuna Transportation System (WNTS), which delivers gas directly to Singapore
- WNTS has spare capacity
- Approval of updated Plan of Development and signature of GSA are significant remaining commercial milestones
- Potential opportunity to monetise in the short-term through farm-out or sale
- Circa US\$1m (net to Coro) to Final Investment Decision in 2023 with first gas targeted in 2025
- Alternatives to fund FID include:
  - Farm out targeting carrying position
- Sale of the asset
- Up to 60% leverage



WNTS (WEST NATUNA TRANSPORT SYSTEM) GAS PIPELINE TO SINAGPORE

RELEASING VALUE FROM DUYUNG PSC



## VIETNAM ROOFTOP SOLAR PORTFOLIO

- 3MW pilot project PPA signed
- Post rooftop pilot potential to expand project up to 150MW on modular basis, dependant on capital availability
- Management investigating various specifications of rooftop and demand profiling and are in the process of identifying multiple opportunities to duplicate the pilot/

#### AREA OF PROJECTS



Overview	
Offtaker	Phong Phu Corporation (Vietnamese textile manufacturer)
PPA	25 years minimum
	Take or Pay contract
	7.3 US cents (equivalent) per kWh §
Capital requirement	US\$1.9m
Target IRR	17% (approx.)
Payback	6 years
Revenue producing	c. Q3 2022
	c. US\$320,000 pa.

VIETNAM 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)

### 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)
- Management are targeting IRR between mid-teen to mid-twenties



MAO	Technical summary				
City  Paristancy  Cebu  Budta Davae  General Santos	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%			
		75.400 -			



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

**PHILIPPINES** 

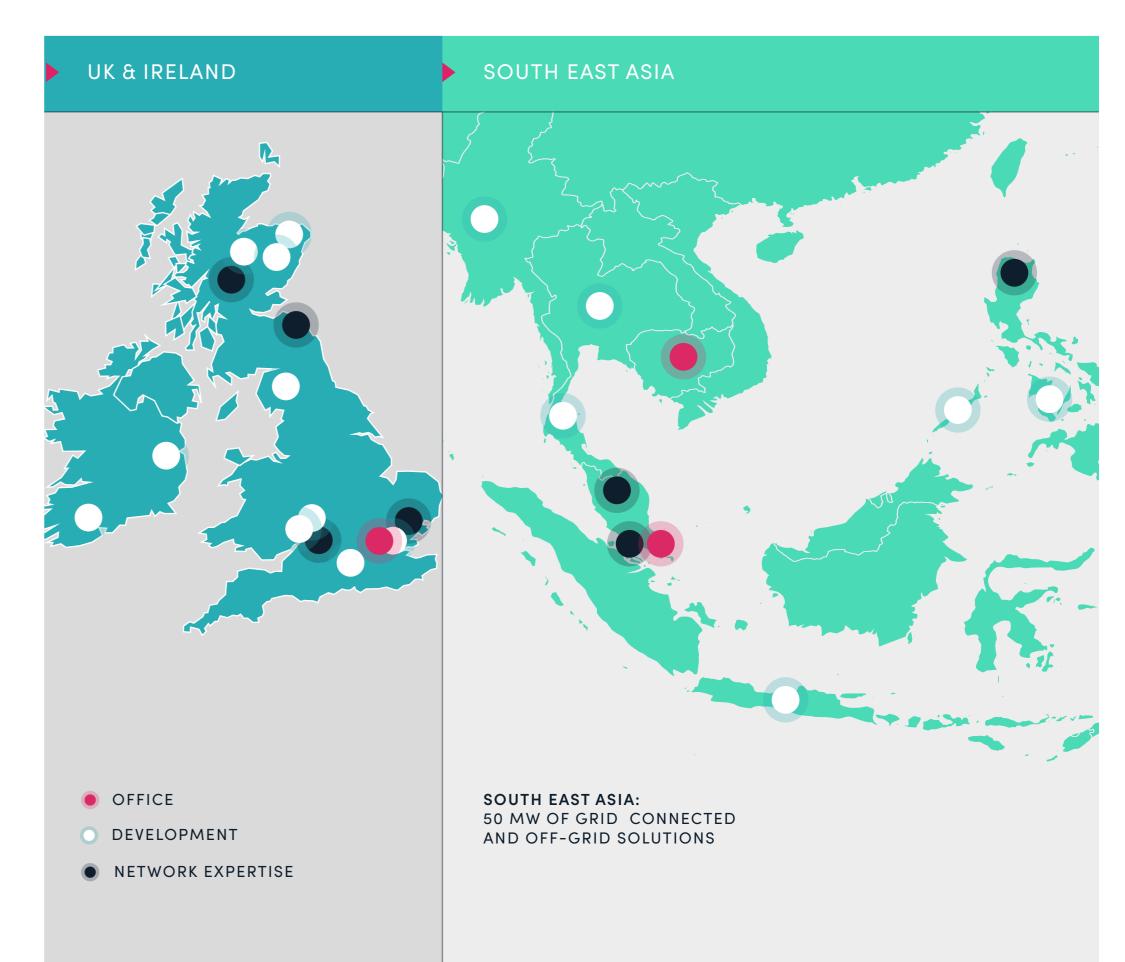
**PORTFOLIO** 





### **ION VENTURES - PROOF OF CONCEPT**

- ion Ventures is a developer of clean energy projects in the UK and South East Asia including Indonesia, Thailand and the Philippines
- Coro is ion's joint largest shareholder with a 20.3% share
- Coro has access to ion's pipeline of 20 high quality clean energy projects across South East Asia through a right of first refusal to invest in each project
- ion also owns 5% of Flexion Energy Holdings, which they recently backed their UK portfolio into



**ION VENTURES** 





### **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 in 2022) and monetisation of PSC
- 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)



INVESTMENT SUMMARY

