

# KrisEnergy Limited Corporate Presentation

January 2016







## I. Business Overview



# KrisEnergy – A Fast Growth E&P Company

## Our Business



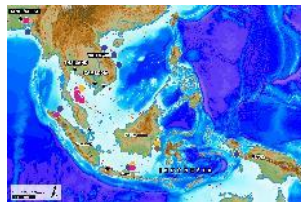
- **Established in 2009**, our vision is to become the leading upstream oil and gas E&P company in Asia
- Diverse portfolio across the E&P life cycle balancing positive cash flow with significant exploration potential
- Focus on balance between oil and gas resources, reserves and production

## Our Team



- Highly experienced (20+ years) management and technical team with proven track record for value creation through organic growth and acquisitions
- Approx. 420 employees in **Bangladesh, Cambodia, Indonesia, Singapore, Thailand and Vietnam**

## Our Portfolio



- 19 contract areas in Bangladesh, Cambodia, Indonesia, Thailand and Vietnam with gross acreage of **62,106 sq. km**
- Operator of 13 blocks
- Multiple exploration prospects and leads in all contract areas
- As at 31 Dec 2014  
2P<sup>1</sup>: **71.0 mmboe**  
2C<sup>1</sup>: **136.8 mmboe**
- Preliminary estimate as at 31 Dec 2015  
2P<sup>1</sup>: **105.0 mmboe**. Full breakdown to be provided in FY2015 results in February 2016

## Our Operations



- 5 producing assets
- Average 2015 WI production **9,698 boepd**; **19,935 boepd** as at 1 January 2016
- First oil at **Nong Yao G11/48** on 17 June 2015; and first oil at **Wassana G10/48** on 14 Aug 2015
- Developments ongoing for **G6/48 and Cambodia Block A** oil fields, and **Lengo and Block A Aceh** gas projects

## Our Financials



- 2014 revenue **US\$74.9 mm**, EBITDAX **US\$30.5 mm**
- 9M2015 EBITDAX **US\$32.6 mm**, net profit after tax **US\$65.2 mm**
- 9M2015 lifting costs US\$7.32/boe
- Increased the **Revolving Credit Facility ("RCF")** to **US\$122 mm** in April 2015
- Rights issue in Aug 2015 raised net proceeds of **S\$164.4 mm**

<sup>1</sup> Netherland, Sewell & Associates, Inc. ("NSAI")



# Our Portfolio

Rigorously selected assets based on in-depth knowledge of geology and complexities of regional basins

## A. Gulf of Thailand

B8/32 & B9A	4.6345%
G6/48	30% (Op)
G10/48	100% <sup>1</sup> (Op)
G11/48	22.5%
Cambodia Block A	52.25% (Op)

## B. Bangladesh

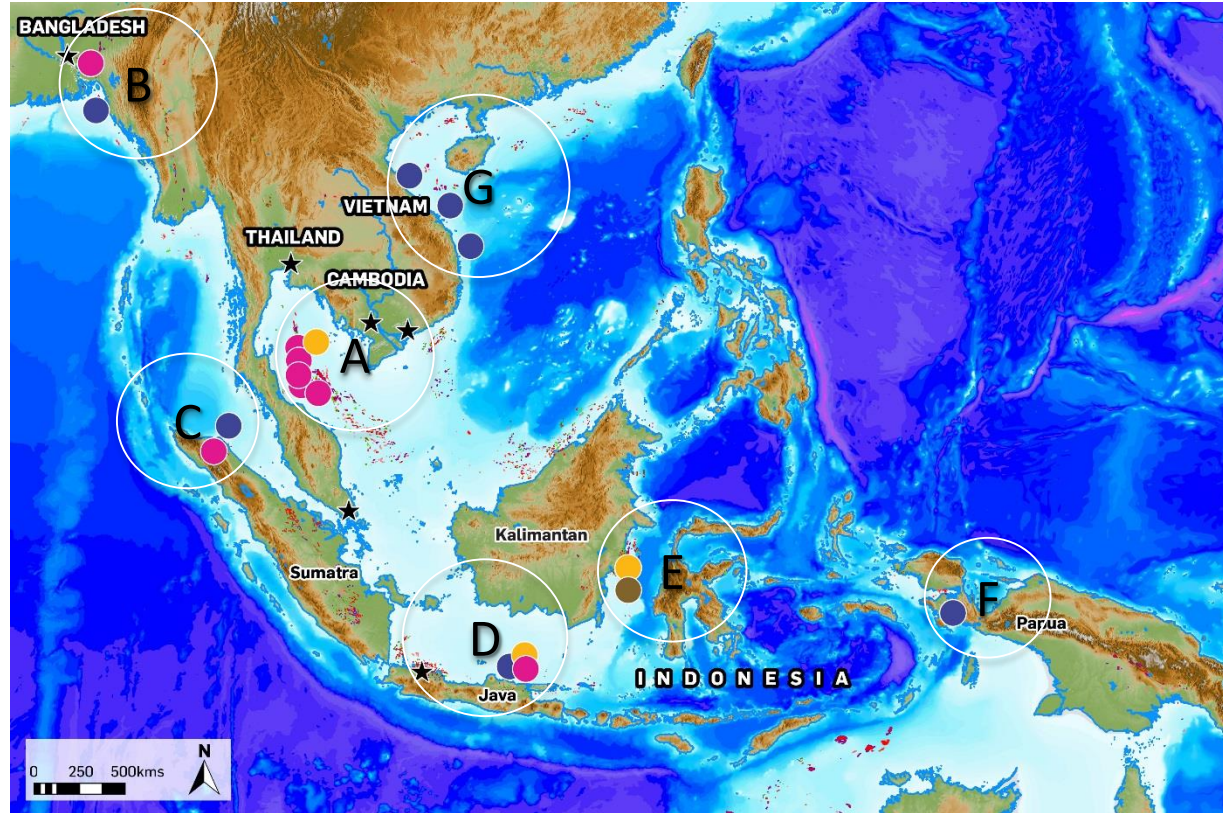
Block 9	30% (Op)
SS-11	45%

## C. Sumatra

East Seruway	100% (Op)
Block A Aceh	41.6666%

## D. Offshore East Java

Bulu	42.5% (Op)
East Muriah	50% (Op)
Sakti	95% (Op)



● Production and near production

● Development pending

● Discovery requiring appraisal

● Exploration

★ KrisEnergy Office

## E. Makassar Strait

Kutai	54.6% (Op)
Tanjung Aru	85% (Op)

## F. Onshore West Papua

Udan Emas	100% (Op)
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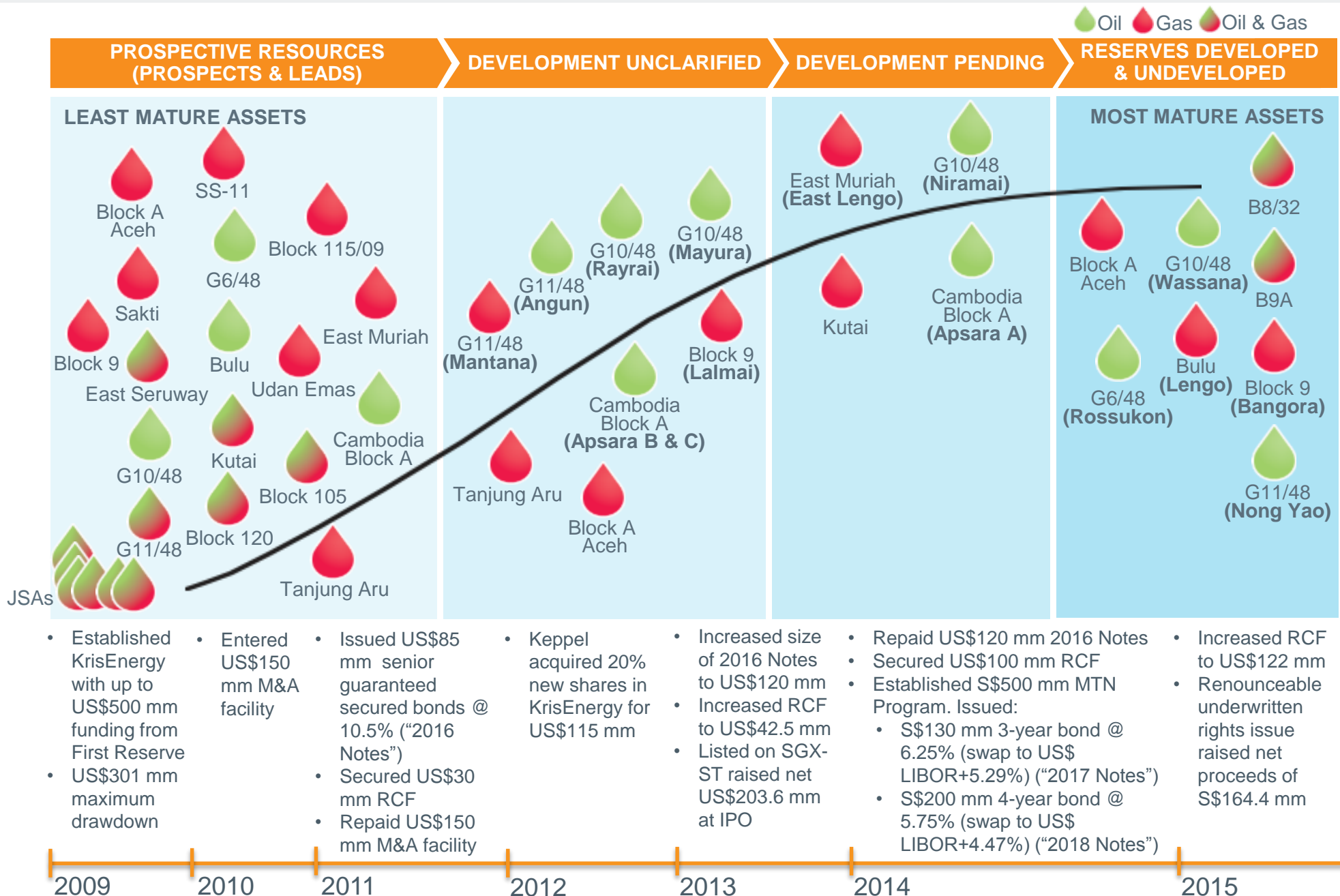
## G. Offshore Vietnam

Block 105-110/04 ("Block 105")	51% (Op)
Block 120	33.33%
Block 115/09	100% (Op)

<sup>1</sup> After a 5% transfer of working interest to the Cambodian Ministry of Mines and Energy ("MME")

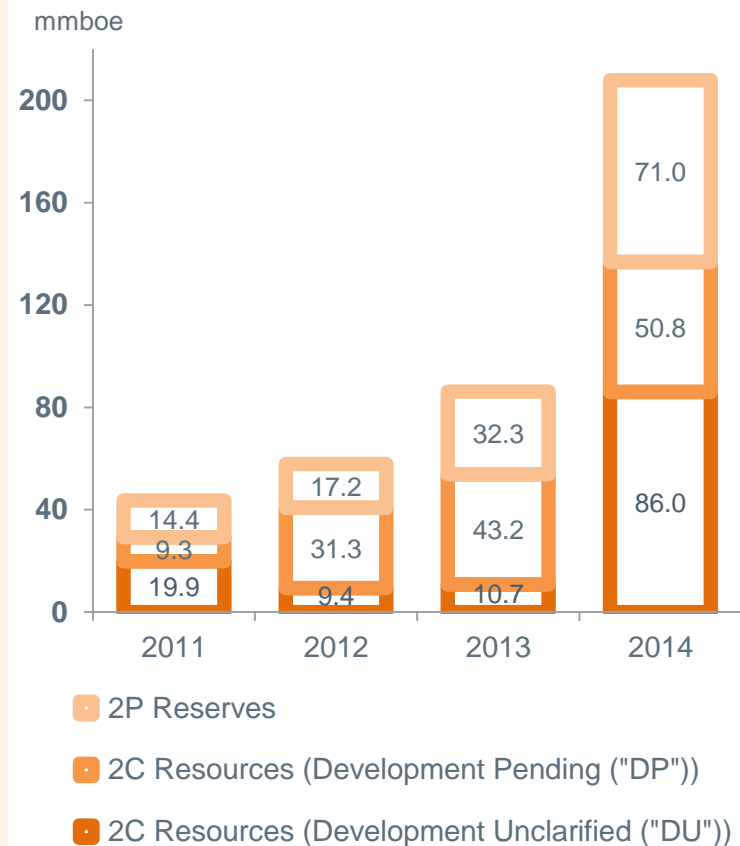
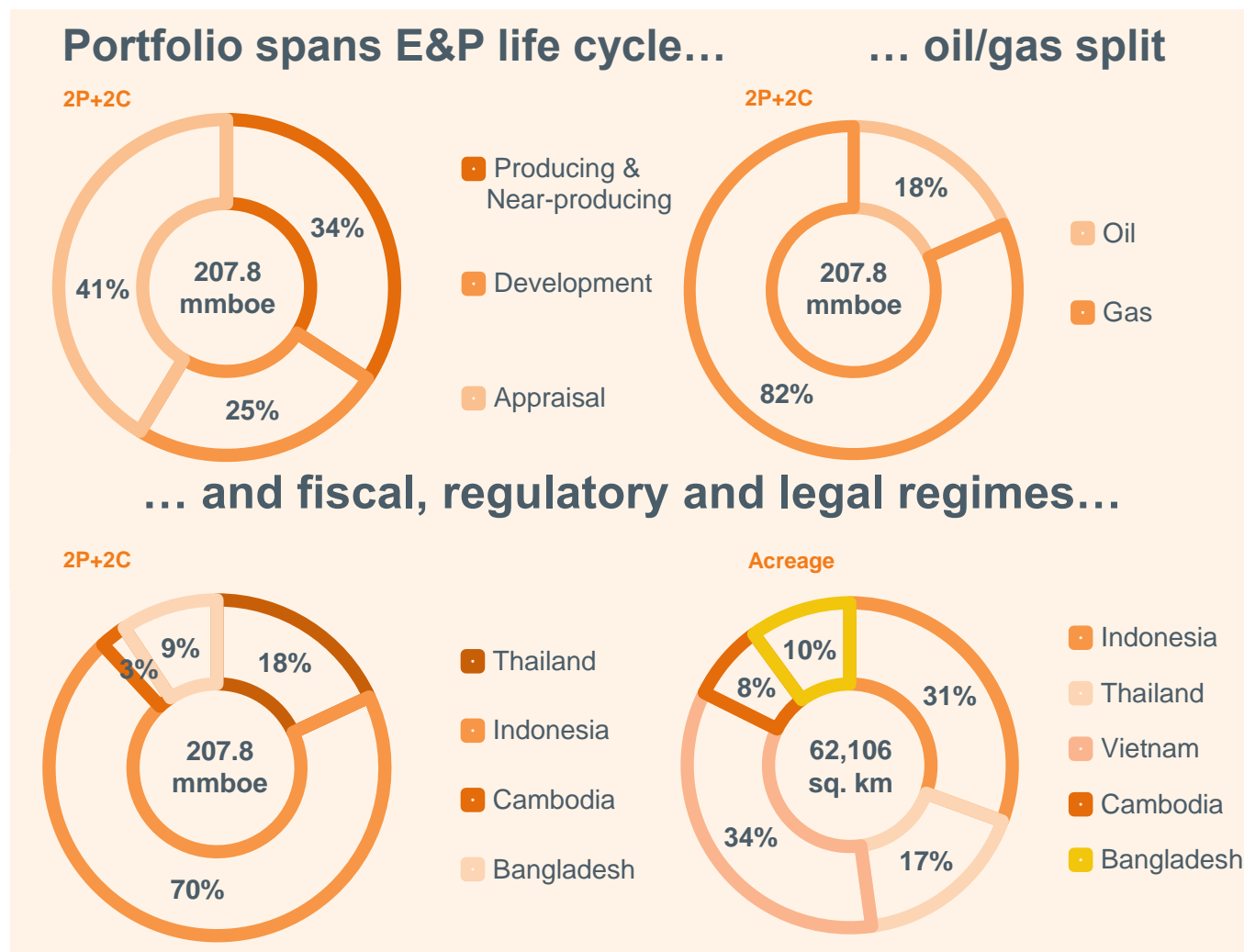
<sup>2</sup> KrisEnergy has an effective 89% working interest in G10/48

# Portfolio Building Across the E&P Life Cycle



# Balanced Portfolio of Assets

Portfolio includes assets under various fiscal, regulatory and legal regimes and in various stages of the E&P life cycle to provide a balance between cash-flow generating producing assets and growth through development, appraisal and exploration



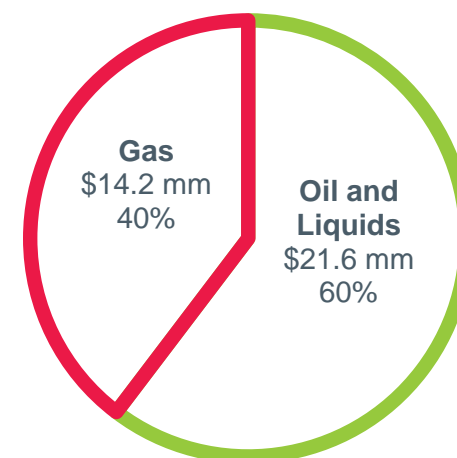
*All 2P reserves and 2C resource figures are NSAI estimates each year as at 31 December*

2P reserve and 2C resource data as at 31 December 2015 will be updated in February 2016

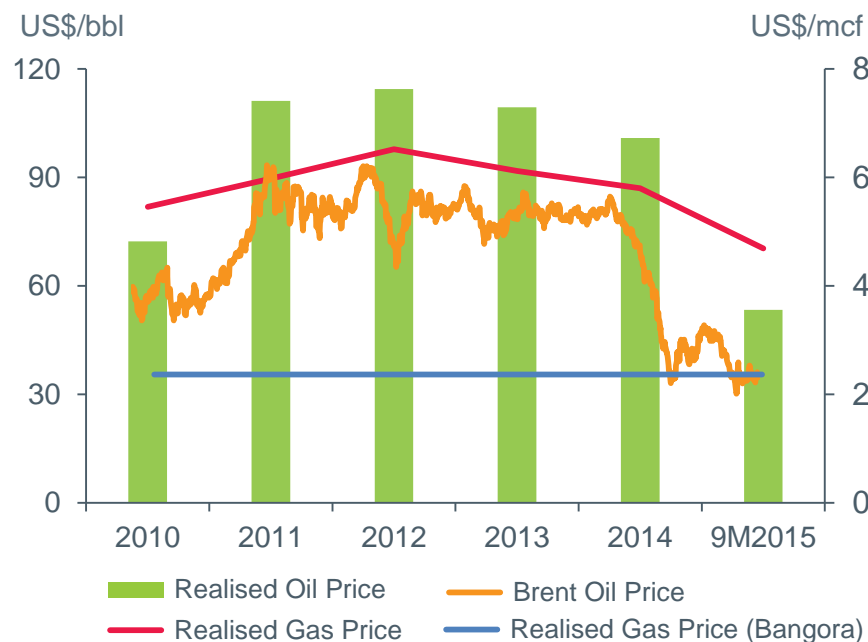
# Financial Summary – Focus on IRR & NPV

	2012	2013	2014	9M2015
<b>Production Volumes (boepd)</b>	<b>3,384</b>	<b>2,916</b>	<b>7,612</b>	<b>8,042</b>
<i>Oil and liquids (bopd)</i>	<i>1,679</i>	<i>1,366</i>	<i>1,396</i>	<i>1,850</i>
<i>Gas (mmcf)</i>	<i>10.2</i>	<i>9.3</i>	<i>37.3</i>	<i>37.2</i>
<b>Revenue (US\$ mm)</b>	<b>89.6</b>	<b>69.1</b>	<b>74.9</b>	<b>35.8</b>
<b>EBITDAX (US\$ mm)</b>	<b>47.6</b>	<b>28.2</b>	<b>30.5</b>	<b>32.6</b>
<b>Avg. lifting costs (US\$/boe)</b>	<b>15.13</b>	<b>15.14</b>	<b>6.91</b>	<b>7.32<sup>1</sup></b>

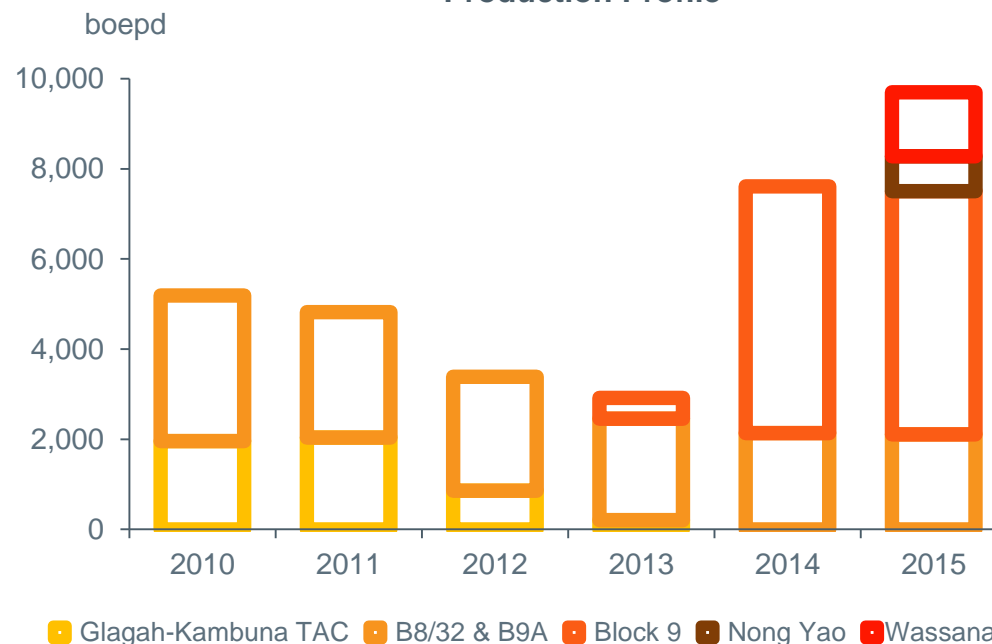
9M2015 Revenue Breakdown



Realised Oil and Gas Prices vs Brent



Production Profile

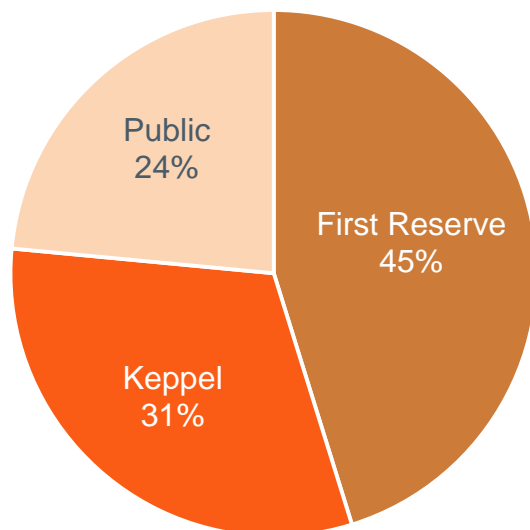


<sup>1</sup> Excludes lifting costs from Wassana, which commenced production on 14 August 2015

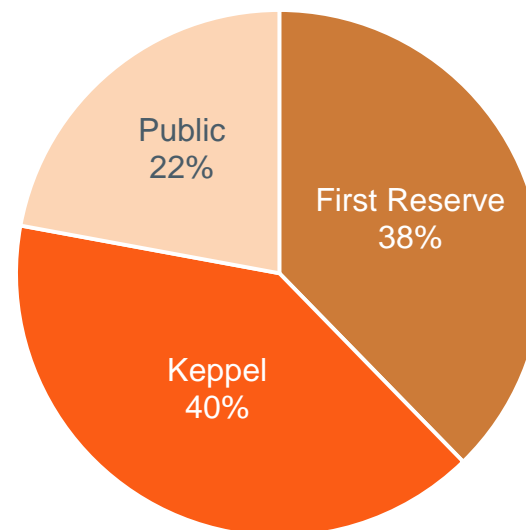
# Rights Issue Successfully Completed August 2015

- Renounceable underwritten rights issue launched on 15 June 2015 to underpin production growth in existing fields and near-term development
- 440,144,838 rights shares issued at a subscription rate of S\$0.385
- Completed on 11 August 2015 raising net proceeds of S\$164.4 million
- 1,490,134,410 outstanding shares post-rights issue
- Gearing as at 30 June 2015 – 40.9%: gearing as at 30 September 2015 – 31.2%
- Capitalisation US\$909.3 million at 30 September 2015

**Pre-Rights Issue Shareholdings  
(as at 1H2015)**



**Post-Rights Issue Shareholdings  
(as at September 2015)**





# Financial Position – Balance Sheet Optimisation

## Liquidity (US\$ mm)

Unaudited as at 30 Sept 2015

Cash and bank balances	52.0
Less: PSC bank guarantee	1.5
Add: Undrawn RCF <sup>1</sup>	56.6
<b>Unused sources of liquidity</b>	<b>107.1</b>

## Capitalisation (US\$ mm)

Unaudited as at 30 Sept 2015

Cash and bank balances	52.0
<b>Debt</b>	<b>283.3</b>
2014 RCF	55.0
2017 Notes	89.3 <sup>2</sup>
2018 Notes	139.0 <sup>2</sup>
<b>Equity<sup>5</sup></b>	<b>626.0</b>
<b>Total capitalisation</b>	<b>909.3</b>

## Debt facilities as at 30 September 2015

### S\$200 mm 5.75% unsecured 4-year fixed rate note

- Issued at par on 22 August 2014 due 2018

### S\$130 mm 6.25% unsecured 3-year fixed rate note

- Issued at par on 9 June 2014 due 2017
- First oil and gas E&P company to execute a S\$ high-yield bond

### US\$122 mm RCF

- Established in March 2014, two year tenure with one year extension option

*Net debt position<sup>3</sup>: US\$231.3 mm*

*Net tangible assets<sup>3</sup>: US\$536.1 mm*

*Gearing ratio<sup>3,4,5</sup>: 31.2%*

<sup>1</sup> We utilised US\$55 mm of the RCF, with US\$10.4 mm secured against facility guarantees as at 30 Sept 2015

<sup>2</sup> Net of hedge revaluation

<sup>3</sup> Unaudited as at 30 Sept 2015

<sup>4</sup> Total debt to debt-and-equity gearing ratio as at 30 Sept 2015

<sup>5</sup> Rights issue settled on 11 August 2015 raising US\$120.1 mm in net proceeds

# Capital Expenditure (US\$ million)

CAPEX by country (Net to KrisEnergy)	Planned CAPEX (as at FY2014)	Revised CAPEX Budget (as at 1H2015)	9M2015 CAPEX
<b>Exploration, Appraisal and Development CAPEX for non-producing assets</b>	<b>74.4</b>	<b>68.9</b>	<b>43.5</b>
Bangladesh	4.7	2.0	1.9
Cambodia	13.5	4.9	1.6
Indonesia	39.8	51.5	30.4
Thailand <sup>1</sup>	6.0	8.4	8.0
Vietnam	8.6	1.3	1.5
Other New Ventures	1.8	0.8	0.0
<b>Development CAPEX for producing assets</b>	<b>160.9</b>	<b>176.7</b>	<b>139.0</b>
Bangladesh	11.7	5.4	0.9
Thailand <sup>1</sup>	149.2	171.3	138.1
<b>Other CAPEX</b>	<b>18.3</b>	<b>6.5</b>	<b>6.2</b>
<b>TOTAL CAPEX</b>	<b>253.6</b>	<b>252.1</b>	<b>188.7</b>

*Note: Excludes exploration expenses (such as dry hole costs, impairment and expenses relating to joint study agreements) and corporate general and administrative purposes. Our actual work program for 2015 may differ significantly from our provisional work program as set out above due to various factors, including but not limited to, changes in political, legislative and regulatory environment in countries where we have a presence, which may result in delays in obtaining governmental and regulatory approvals and availability of third-party services, equipment and materials*

<sup>1</sup> G11/48 and G10/48 have been reclassified to development CAPEX following first production



## II. Operations



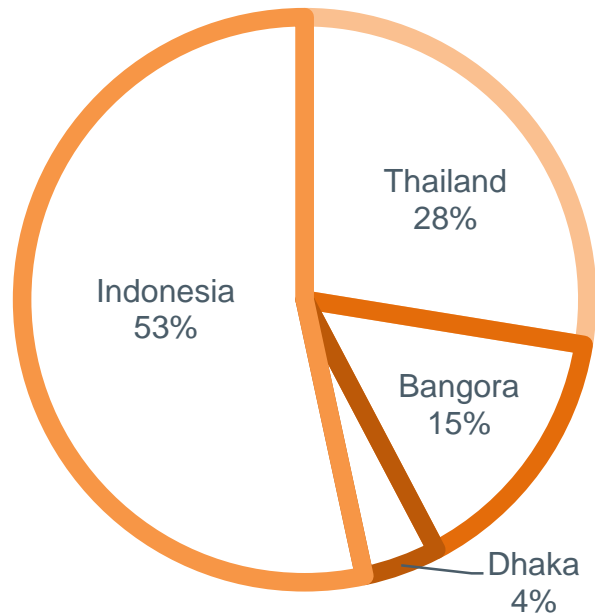


# Environment, Health, Safety & Security (“EHSS”)

A strong EHSS culture is essential to long-term shareholder value given inherent risks of E&P operations

## Man Hours (KrisEnergy-operated assets)

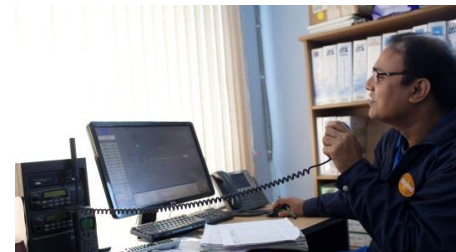
KrisEnergy group achieved approximately 4.7 million man-hours from 1 Jan 2014 up to 30 Sept 2015



- Fully established Environmental, Health and Safety Management System
- Training undertaken for IMO accredited Tier 3 Oil Spill Response
- Group-wide training for OPITO-accredited Management of Major Emergencies

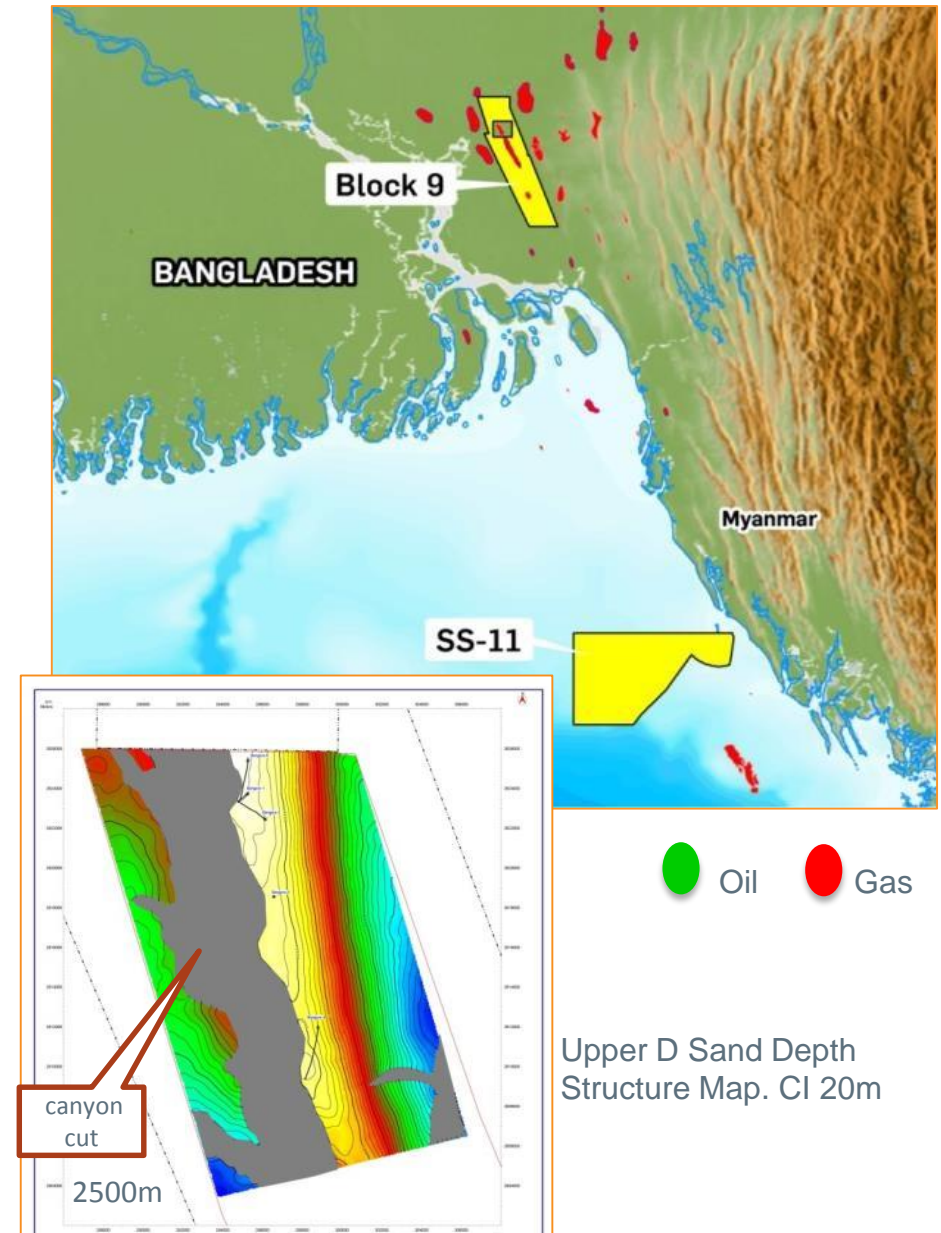


- Singapore office received OHSAS 18001 certification in 2012 and ISO 14001 certification in 2013
- Jakarta office received OHSAS 18001 in December 2014
- Dhaka office and onshore field operations received ISO 14001 accreditation in December 2014
- Audit and certification planned for Bangkok, Ho Chi Minh City and Phnom Penh offices
- All EHSS policies and procedures are compliant with OHSAS 18001 and ISO 14001 requirements



# Bangladesh: Production with Exploration Growth Potential

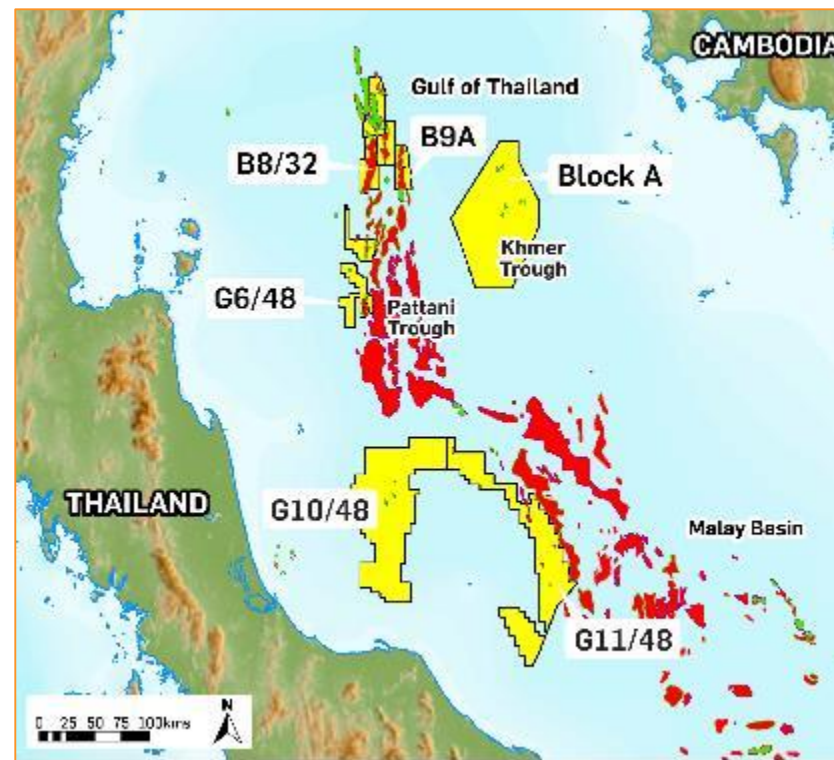
- Tertiary basin geology similar to existing portfolio in Southeast Asia
- Acquisition of 30% working interest and operatorship of the Block 9 PSC completed in December 2013
- High-calibre team in Dhaka and on field location
- Onshore Bangora gas field producing >100 mmcfd gross providing cash flow
- Remaining working interest 2P reserves at 106.2 bcf of gas<sup>1</sup> and 251,200 barrels of condensate<sup>1</sup>
- Exploration potential remaining in Block 9
- Good potential for in-country portfolio growth
  - Award of SS-11 exploration licence in March 2014, KrisEnergy 45% non-operator
  - 3,146 km 2D seismic acquisition completed in 2015



<sup>1</sup> NSAI estimate as at 31 December 2014

# Gulf of Thailand: Production, Development & Exploration Success

- Gulf of Thailand is a core area for growth:
  - Five licences in Thai waters, one in Cambodia
  - KrisEnergy operator of G10/48, G6/48 and Cambodia Block A developments
  - Low cost shallow water development concepts
- KrisEnergy team experienced in Gulf of Thailand development
- Stable cash flow from production and upside potential from development:
  - B8/32 & B9A has produced 417 mmboe<sup>1</sup> (gross up to 31 December 2014); and working interest 2P reserves 11.2 mmboe remaining<sup>1</sup>
  - G11/48 Nong Yao field produced first oil on 17 June 2015; achieved >10,000 bopd gross production in December 2015
  - G10/48 Wassana field produced first oil on 14 August 2015; achieved >10,000 bopd gross production in December 2015



● Oil ● Gas

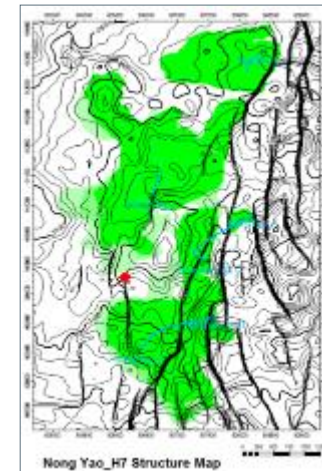
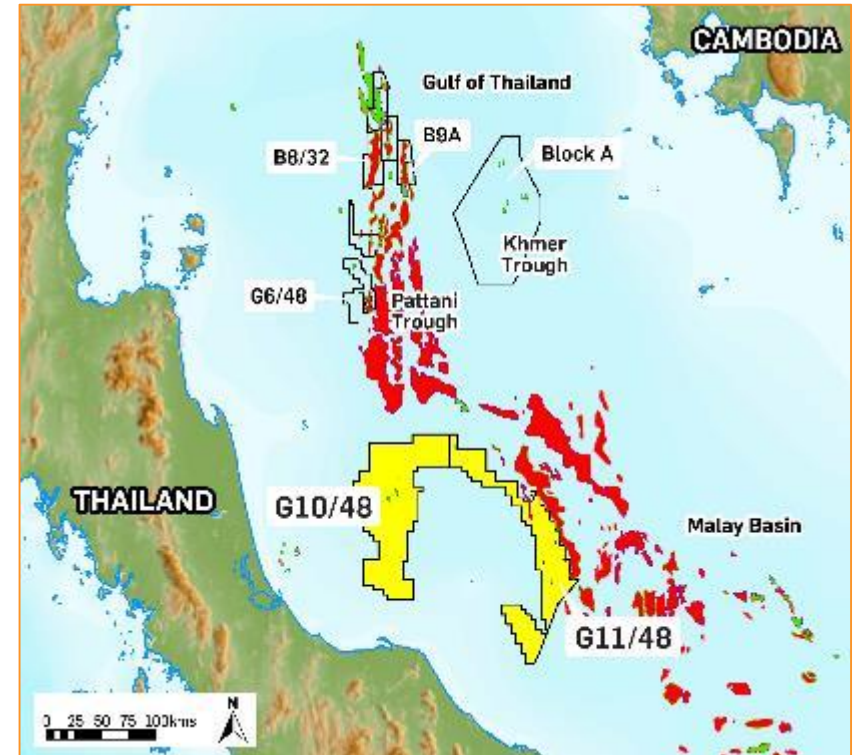
- Successful G6/48 exploration in Rossukon area in 1Q2015; production licence for Rossukon oil field approved in November 2015
- Successful G10/48 Rayrai-1 exploration in 2Q2015, 2.25 km north of existing Niramai discovery

<sup>1</sup> NSAI estimate as at 31 December 2014



# New Production: Nong Yao & Wassana, Thailand

- G10/48 and G11/48 are shallow water blocks with equivalent development concepts as producing fields to the north
- G10/48: First oil from Wassana achieved 14 August 2015 from three initial wells
  - Production in 15 months after KrisEnergy took over operatorship in May 2014
  - *MOPU Ingenium* producing to *FSO Rubicon Vantage*, 15 development wells
- G11/48: First oil from achieved 17 June 2015 from four initial wells
  - FID approved August 2013
  - Two-platform development and floating storage offloading vessel, 16 development wells



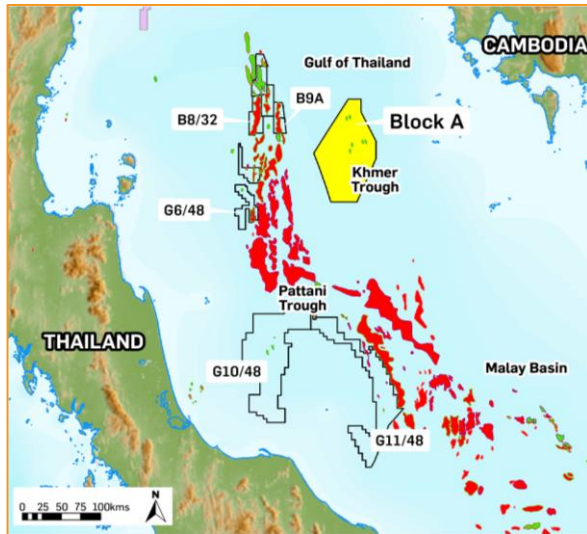
● Oil ● Gas

Nong Yao structure map

# Gulf of Thailand Development: G6/48 & Cambodia Block A

## G6/48

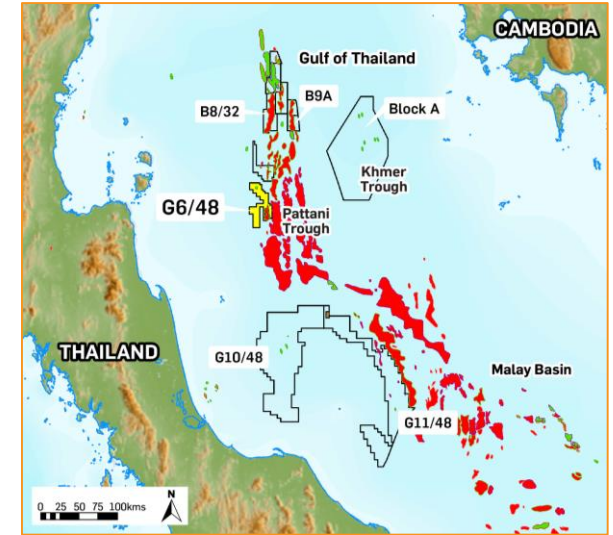
- Contains 2009 Rossukon oil discovery; two successful Rossukon exploration wells and two sidetracks in 2015, each with net oil and/or gas pay between 106 feet true vertical depth (“TVD”) and 148 feet TVD
- Production area licence submitted in June 2015 and approved in November 2015
- Development concept under review by joint-venture partners
- 2C resource conversion to working interest 3.51 mmbo<sup>1</sup> of 2P reserves as at 31 December 2015



● Oil ● Gas

## Cambodia Block A

- Transfer of operatorship to KrisEnergy in October 2014
- 1<sup>st</sup> phase development of Apsara area targeting single platform with peak production 8,000 bopd
- Fiscal and technical terms agreed, final documentation underway
- Potential for additional nine platforms in Apsara area
- Total working interest 2C resources of 5.4 mmboe<sup>1</sup> associated mainly with 1<sup>st</sup> platform development as at 31 December 2015



● Oil ● Gas

<sup>1</sup> NSAI estimate

# Development: Indonesia Gas Development

## Bulu PSC

- Lengo gas field plan of development approved December 2014; FEED study completed; preparing to tender EPCI
- Negotiations for gas sales contract underway
- Lengo production to commence 24 months after FID; production expected to plateau at 70 mmcf/d
- 25.4 mmboe<sup>1</sup> working interest 2P reserves as at 31 December 2015



Oil Gas



Oil Gas

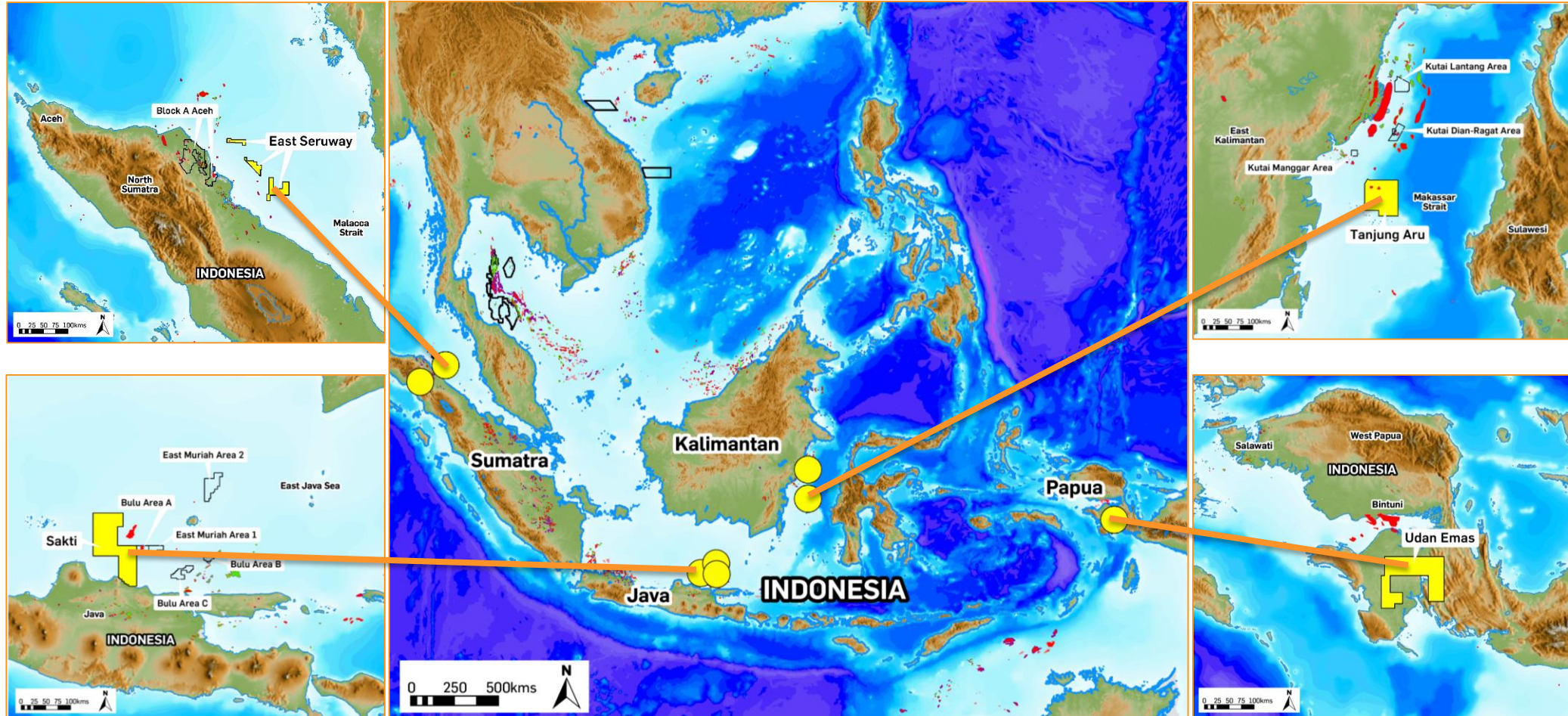
## Block A Aceh PSC

- Alur Rambong, Alur Siwah and Julu Rayeu gas discoveries with development approval
- Initial gas sales agreement signed January 2015 at US\$9.45/mmBtu
- First gas from Alur Rambong anticipated late 2017/2018
- Ground broken for gas facilities construction in November 2015
- 2C resource conversion to working interest 28.7 mmboe<sup>1</sup> 2P reserves as at 31 December 2015

<sup>1</sup> NSAI estimate



# Exploration: Indonesia High-impact Potential

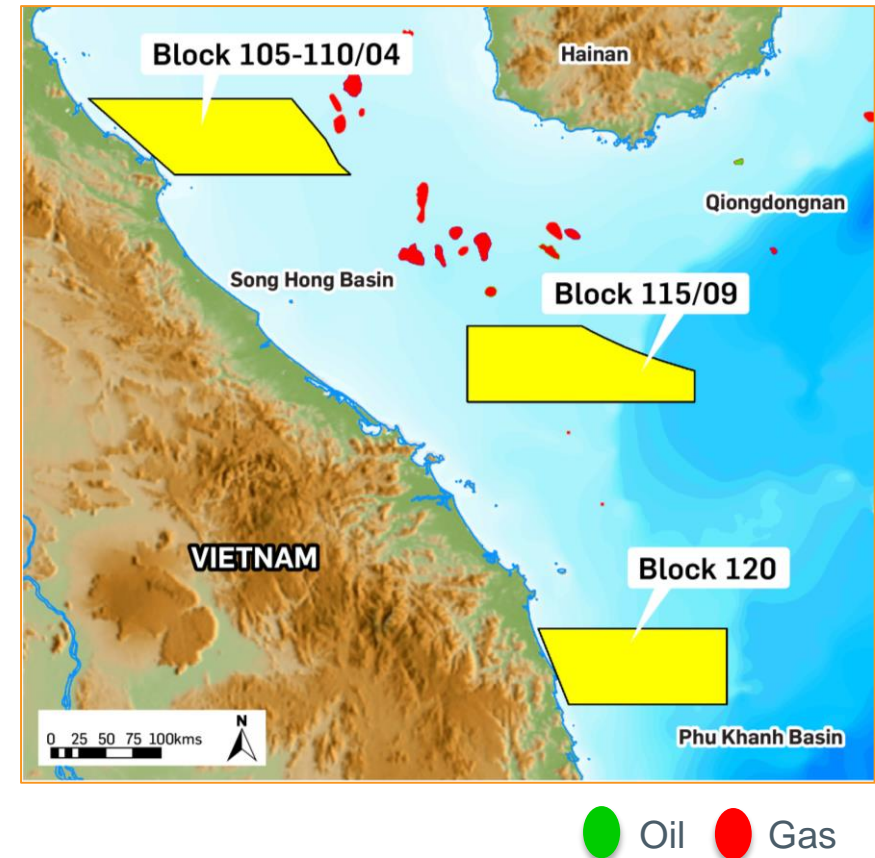


Rapidly increasing gas demand in a high price gas market:

- Sakti: Mustika-1 exploration well in December 2015 encountered sub-commercial gas
- Tanjung Aru: 502 sq. km 3D broadband seismic completed in 2014
- East Seruway: 948 km 2D seismic completed in 2013
- Udan Emas: 300 km 2D seismic completed in 2015

# Exploration: High-impact Exploration in Vietnam

- Core exploration area offshore Vietnam
- Multiple drillable prospects in each block
- Took over operatorship of Block 105 in March 2015 of Block 115/09 in March 2014 and was awarded 100% working interest and operatorship
- Two exploration wells drilled in 2013:
  - Block 105: Cua Lo-1 well encountered hydrocarbons in all objectives confirming the presence of an active petroleum system
  - Block 120: Ca Ngu-1 well in 2013 encountered both oil and gas in the secondary objective, Triton Limestone
- Integration of 2013 well data and thorough review of geological model underway
- Block 115/09: Reprocessed 3,600 km 2D seismic data
- Block 120: 575 sq. km 3D seismic data acquired in 2015





# Operating Partners

With a large portion of the region's assets held by IOCs and NOCs, KrisEnergy provides a unique opportunity for investors to gain direct exposure to Southeast Asia E&P

- Our partners include large scale IOCs such as Chevron, the largest operator of oil and gas assets in the Gulf of Thailand, and Mubadala, and NOCs such as PTTEP and Eni, as well as independent players such as Ophir and AWE
- These partners bring strong technical and operating capabilities, financial capacity for asset development, long-standing relationships with regulators and opportunities for potential future cooperation
- Our objective is to be the “partner of choice” for national and international upstream oil and gas companies

## International Oil Companies (“IOCs”)



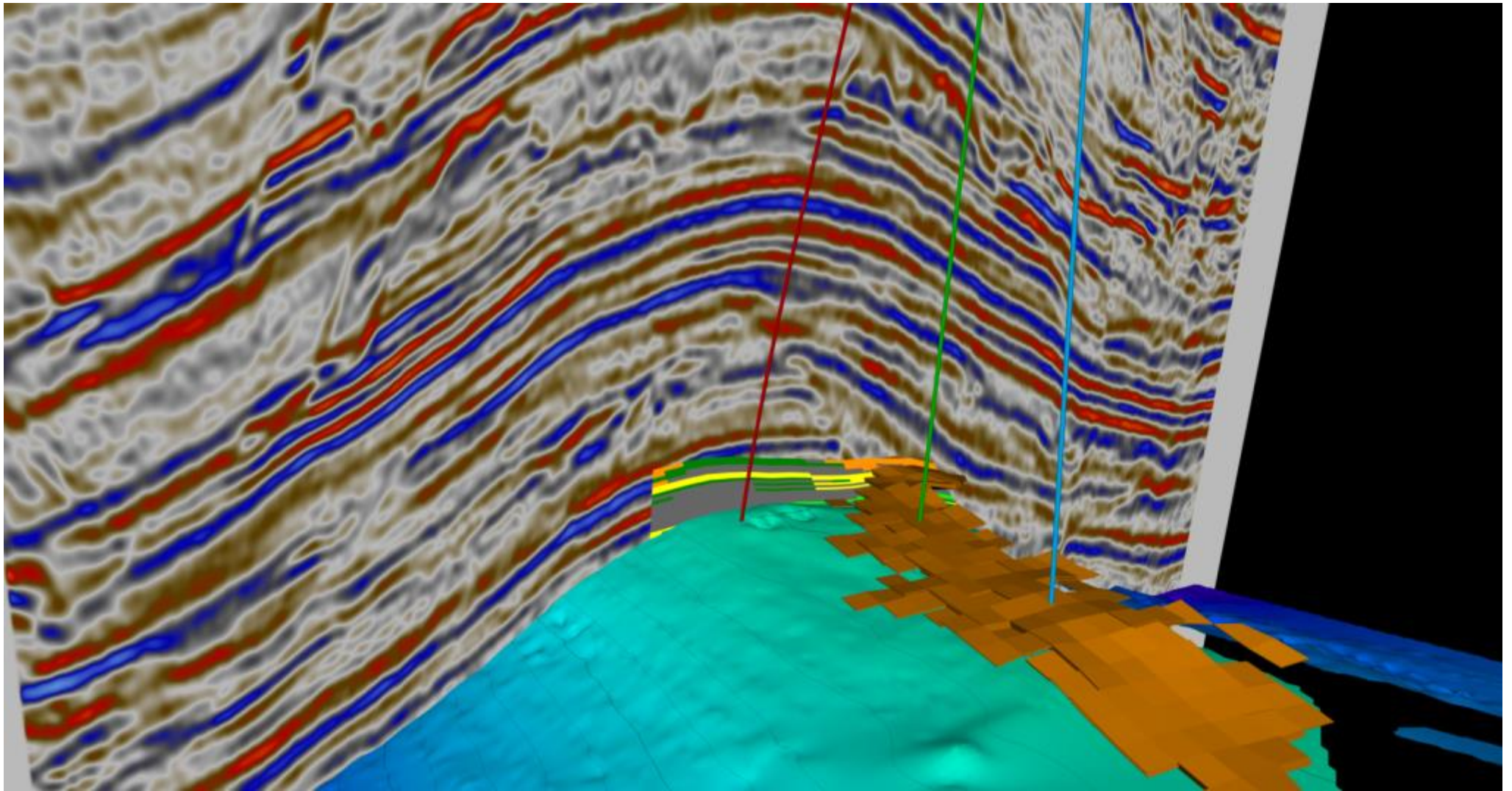
## National Oil Companies (“NOCs”)



## Independents







## Appendix



# Fast-paced Organic & Inorganic Growth

Since incorporation in 2009, KrisEnergy has demonstrated a successful track record in building a diversified portfolio of 19 contract areas and fundraising for organic growth and acquisitions

2009	2010	2011	2012
<b>Corporate &amp; Financial</b>			
<ul style="list-style-type: none"> <li>KrisEnergy established with up to US\$500 mm equity capital commitment from First Reserve</li> <li>Acquired G10/48 and G11/48</li> </ul>	<ul style="list-style-type: none"> <li>Acquired production: B8/32, B9A and Glagah-Kambuna TAC</li> <li>Acquired Cambodia Block A, Kutai PSC, Block 06/94, Block 105 and Block 120</li> <li>Opened Jakarta and Bangkok offices</li> <li>Secured US\$150 mm loan facility</li> </ul>	<ul style="list-style-type: none"> <li>Acquired Bulu PSC and East Seruway PSC</li> <li>Awarded Tanjung Aru PSC</li> <li>Relinquished Block 06/94</li> <li>Opened Ho Chi Minh City office</li> <li>Issued US\$85 mm 2016 Notes and secured US\$30 mm RCF</li> </ul>	<ul style="list-style-type: none"> <li>Acquired East Muriah PSC</li> <li>Awarded Udan Emas PSC</li> <li>Keppel acquired 20% new shares for US\$115 mm</li> </ul>
<b>Operational</b>			
<ul style="list-style-type: none"> <li>Two exploration wells drilled: one oil discovery and one sub-commercial oil and gas discovery</li> </ul>	<ul style="list-style-type: none"> <li>Acquired 5,952 km 2D and 881 sq. km 3D seismic data</li> <li>B8/32 and B9A: Drilled 63 development wells, three wellhead platforms put on stream</li> <li>13 out of 19 exploration wells resulted in discoveries</li> </ul>	<ul style="list-style-type: none"> <li>Acquired 491 sq. km 3D seismic data</li> <li>B8/32 &amp; B9A: Drilled 24 development wells, one wellhead platform put on stream</li> <li>One exploration well resulted in discovery</li> </ul>	<ul style="list-style-type: none"> <li>Acquired 1,333 sq. km 3D seismic data</li> <li>B8/32 &amp; B9A: Drilled 54 development wells</li> <li>G11/48 production area application approved</li> <li>Three exploration wells resulted in sub-commercial discoveries</li> </ul>

# Fast-paced Organic & Inorganic Growth

2013	2014	2015
<b>Corporate &amp; Financial</b>		
<ul style="list-style-type: none"> <li>Acquired production: Block 9</li> <li>Acquired G6/48</li> <li>Opened Dhaka office</li> <li>Increased size of 2016 Notes to US\$120 mm and RCF to US\$42.5 mm</li> <li>Listed on the SGX-ST</li> </ul>	<ul style="list-style-type: none"> <li>Awarded Sakti PSC, SS-11 and Block 115/09</li> <li>Acquired Block A Aceh, 75% working interest in G10/48 and 30% working interest in Cambodia Block A. Took over operatorship G10/48 and Cambodia Block A</li> <li>Opened Phnom Penh office</li> <li>Reduced G11/48 working interest to 22.5% after Thai participant farm-in</li> <li>Repaid US\$120 mm 2016 Notes. Established S\$500 mm MTN Program, issued 2017 Notes and 2018 Notes</li> <li>Secured US\$100 mm RCF with a US\$40 mm accordion</li> </ul>	<ul style="list-style-type: none"> <li>Took over operatorship of Block 105</li> <li>Reduced G10/48 effective working interest to 89% after farm-out</li> <li>Increased the 2014 RCF to US\$122 mm in alignment with the increase in 2P reserves for the secured assets</li> <li>Completed successful renounceable underwritten rights issue and raised net proceeds of S\$164.4 mm</li> </ul>
<b>Operational</b>		
<ul style="list-style-type: none"> <li>Acquired 948 km 2D and 270 sq. km 3D seismic data</li> <li>Declared FID for G11/48 Nong Yao oil development</li> <li>Drilled successful Lengo-2 appraisal well</li> <li>B8/32 &amp; B9A: Drilled 57 development wells</li> <li>Three exploration wells resulted in one gas discovery and two sub-commercial discoveries</li> </ul>	<ul style="list-style-type: none"> <li>Acquired 2,486 km 2D and 903 sq. km 3D seismic data</li> <li>Awarded EPCIC contract for G11/48 Nong Yao oil development</li> <li>Declared FID for G10/48 Wassana oil development</li> <li>Development plan approved for Lengo gas field in Bulu PSC</li> <li>B8/32 &amp; B9A: Drilled 55 development wells, two wellhead platforms put on stream</li> <li>Two unsuccessful exploration commitment wells</li> </ul>	<ul style="list-style-type: none"> <li>Acquired 3,446 km 2D and 575 sq. km 3D seismic data</li> <li>First production from G11/48 Nong Yao in June and G10/48 Wassana in August</li> <li>Drilled 52 development wells and installed one platform in B8/32 &amp; B9A</li> <li>Lengo gas field FEED completed</li> <li>Gas sales agreement signed for Block A Aceh</li> <li>100% exploration success from four Rossukon wells in G6/48 and one Rayrai well in G10/48; Rossukon PAA approved in November</li> <li>Sakti PSC: Mustika-1 well encountered sub-commercial gas</li> </ul>



# Experienced Team with Track Record of Success

The majority of our management and senior technical team have worked together for over 15 years and have established a reputation for value creation, notably through our track record in Pearl Energy

	<b>Keith Cameron</b> <i>CEO</i>	<ul style="list-style-type: none"> <li>• Co-founder</li> <li>• &gt;35 years of O&amp;G experience, &gt; 30 in SEA</li> <li>• Former co-founder and CEO of Pearl</li> </ul>		<b>Chris Wilson</b> <i>VP Business Development</i>	<ul style="list-style-type: none"> <li>• &gt;20 years corporate finance and business development experience in Asia</li> <li>• Former financial advisor within Pearl</li> <li>• Member of AIPN</li> </ul>
	<b>Chris Gibson-Robinson</b> <i>Director E&amp;P</i>	<ul style="list-style-type: none"> <li>• Co-founder</li> <li>• &gt;35 years of upstream O&amp;G experience, &gt;25 in SEA</li> <li>• Former co-founder and Chief TO of Pearl</li> </ul>		<b>Michael Whibley</b> <i>VP Technical</i>	<ul style="list-style-type: none"> <li>• &gt;35 years of E&amp;P technical and business development experience, &gt;22 in SEA</li> <li>• Technical roles in Pearl, Santos and Apache</li> </ul>
	<b>Richard Lorentz</b> <i>Director Business Development</i>	<ul style="list-style-type: none"> <li>• Co-founder</li> <li>• &gt;30 years of upstream O&amp;G experience, &gt;25 in SEA</li> <li>• Former co-founder and Chief BDO of Pearl</li> </ul>		<b>Brian Helyer</b> <i>VP Operations</i>	<ul style="list-style-type: none"> <li>• &gt;30 years offshore O&amp;G experience</li> <li>• Prior roles with Petrofac in SEA, UK and Tunisia</li> </ul>
	<b>Kiran Raj</b> <i>Chief Financial Officer</i>	<ul style="list-style-type: none"> <li>• &gt;20 years corporate finance experience</li> <li>• Qualified Chartered Accountant with ICAA</li> <li>• Former Director of IB CLSA and CEO of BCA</li> </ul>		<b>Stephen Clifford</b> <i>Chief Strategy Officer / VP Finance Thailand</i>	<ul style="list-style-type: none"> <li>• &gt;25 years O&amp;G experience</li> <li>• Former CFO for Pearl</li> <li>• Chartered Certified Accountant and Certified Compliance Officer</li> </ul>
	<b>Kelvin Tang</b> <i>President, Cambodia &amp; VP Legal</i>	<ul style="list-style-type: none"> <li>• &gt;15 years legal experience</li> <li>• Former GC for Aabar and Pearl</li> <li>• Member of Association of International Petroleum Negotiators</li> </ul>		<b>Tanya Pang</b> <i>VP Investor Relations &amp; Corporate Communications</i>	<ul style="list-style-type: none"> <li>• &gt;25 years media/IR in energy sector</li> <li>• IR Manager for Pearl Energy</li> <li>• Senior management with Reuters</li> </ul>
	<b>James Parkin</b> <i>VP Exploration</i>	<ul style="list-style-type: none"> <li>• &gt;35 years of O&amp;G experience, &gt;25 in SEA</li> <li>• Former Regional VP SEA for Pearl and Senior Geologist and Team Leader East Java at Gulf Indonesia/ Conoco/ ConocoPhillips</li> </ul>			
	<b>Tim Kelly</b> <i>VP Engineering</i>	<ul style="list-style-type: none"> <li>• &gt;30 years O&amp;G experience, &gt;23 in SEA</li> <li>• Former Corporate Petroleum Eng. Manager, Pearl and DST Specialist with ExxonMobil</li> </ul>			



Pearl Energy established

Pearl Energy Listed on SGX-ST with US\$240 mm market cap

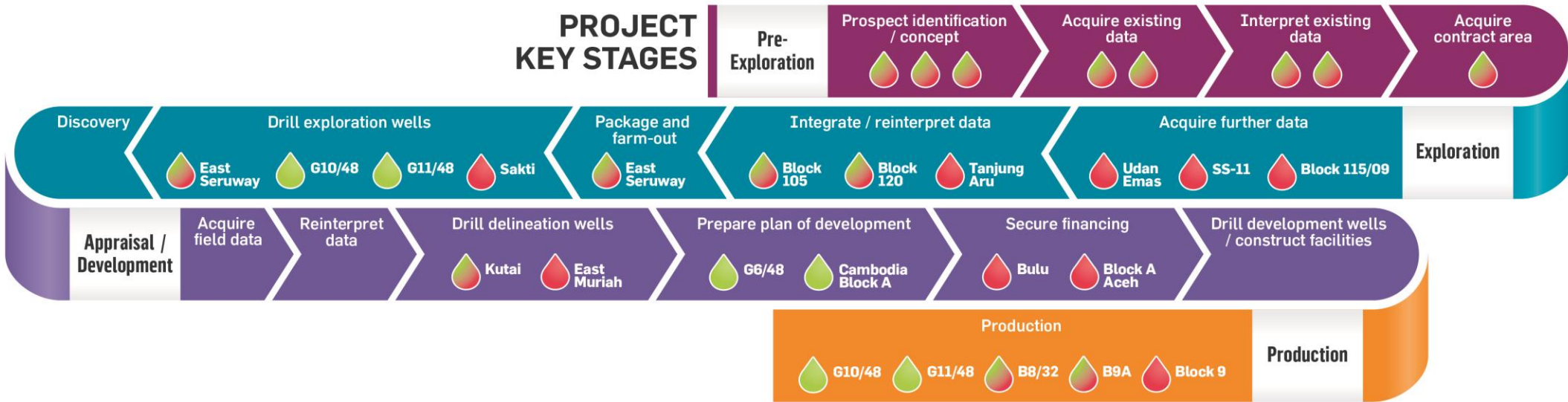
Aabar Petroleum acquired Pearl Energy for >US\$500 mm

Mubadala acquired Pearl Energy for US\$833 mm

**Track Record of Value Creation Since Pearl Energy**

# Active Involvement Across Portfolio Life Cycle

Our portfolio contains assets at all stages of the exploration and production life cycle and therefore we are actively involved in all key stages along the value chain



## Pre-Exploration

- In-house business development team and advanced computing technology for the acquisition, processing, re-processing and interpretation of data

## Exploration

- 3<sup>rd</sup> party contractors commissioned to reprocess or acquire seismic data
- Mitigate risk and defray costs by farming out exploration drilling costs, whilst retaining operating rights upon production

## Appraisal/Development

- Assessment of economic viability of production and estimation of reserves
- Drilling of development wells and construction and installation of facilities required for production to commence

## Production

- Maintaining the field and extracting oil or gas as efficiently as possible
- Modeling of subsurface formations using computer simulation
- Reservoir pressure maintenance studies to optimise recovery

# Balanced Portfolio of Assets

Contract area	Working Interest (%)	Area (sq. km)	Operator	Onshore/ Offshore	Exploration	Development Unclarified	Development Pending	Producing/ Near Producing
<b>Bangladesh</b>								
Block 9	30	1,770	KrisEnergy	on	•	•		•
SS-11	45	4,475	Santos	off	•			
<b>Cambodia</b>								
Block A	52.25 <sup>1</sup>	4,709	KrisEnergy	off	•	•	•	
<b>Indonesia</b>								
Block A Aceh PSC	41.6666	1,680	Medco	on	•	•		•
Bulu PSC	42.5	697	KrisEnergy	off	•			•
East Muriah PSC	50	995	KrisEnergy	off	•		•	
East Seruway PSC	100	1,172	KrisEnergy	off	•			
Kutai PSC	54.6	944	KrisEnergy	on/off	•		•	
Sakti PSC	95	4,974	KrisEnergy	off	•			
Tanjung Aru PSC	85	3,143	KrisEnergy	off	•	•		
Udan Emas PSC	100	5,396	KrisEnergy	on	•			
<b>Thailand</b>								
B8/32 & B9A	4.6345	2,072	Chevron	off	•			•
G6/48	30	566	KrisEnergy	off	•			•
G10/48	100 <sup>2</sup>	4,696	KrisEnergy	off	•	•		•
G11/48	22.5	3,374	Mubadala	off	•	•		•
<b>Vietnam</b>								
Block 105	51	7,192	KrisEnergy	off	•			
Block 120	33.33	6,869	Eni	off	•			
Block 115/09	100	7,382	KrisEnergy	off	•			

<sup>1</sup> After a 5% transfer of working interest to the Cambodian MME

<sup>2</sup> KrisEnergy has an effective 89% working interest in G10/48



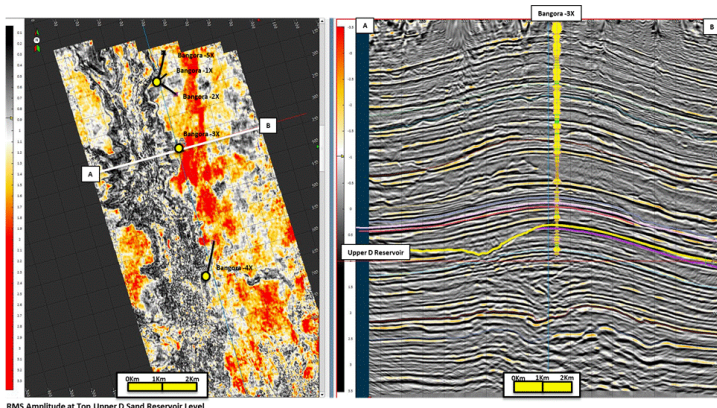
# Production – Bangladesh

## Block 9

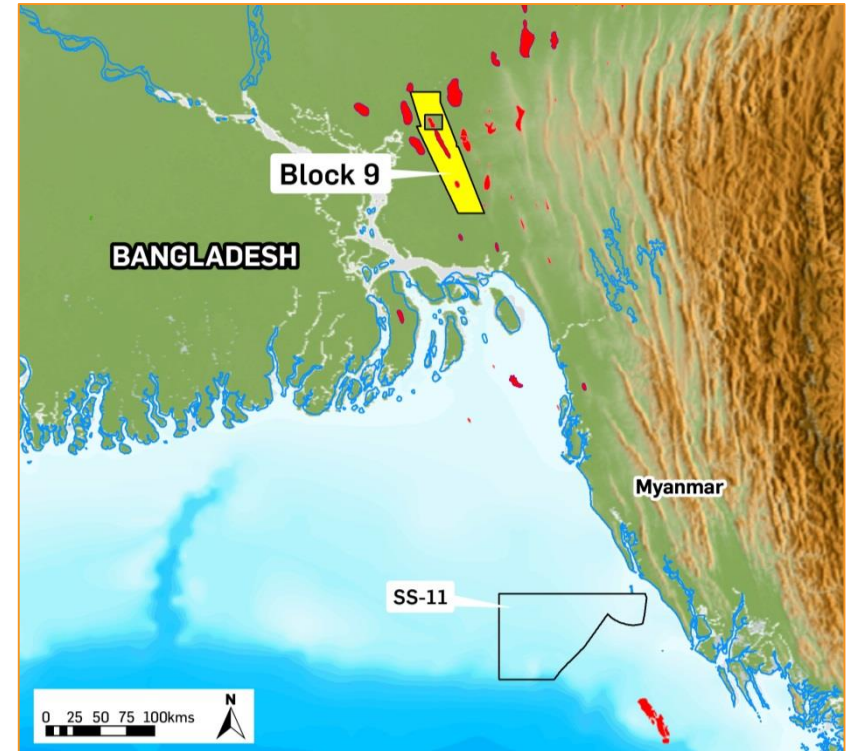
- Status: Production and exploration
- Area: 1,770 sq. km
- Location: Onshore Bangladesh over Surma Basin
- Gross cumulative gas production from May 2006 until 31 December 2014 was 285 bcf<sup>1</sup>
- Working interest 2P reserves: 18.0 mmboe<sup>1</sup>
- Working interest 2C resources DU: 1.4 mmboe<sup>1</sup>

## Partners:

- |                  |                |
|------------------|----------------|
| • KrisEnergy     | 30% (Operator) |
| • Niko Resources | 60%            |
| • BAPEX          | 10%            |



<sup>1</sup> NSAI estimate as at 31 December 2014



● Oil ● Gas

## Geology:

- Bangora field discovered in 2004 by Bangora-1 well, which penetrated a thick sandstone section of the Late Miocene Upper Bhuban Formation, regionally the main reservoir target
- Upper Bhuban Formation sands are described as shallow marine to transition zone in origin, most likely as channels/splay and mouth bars to a major Late Miocene distributary system

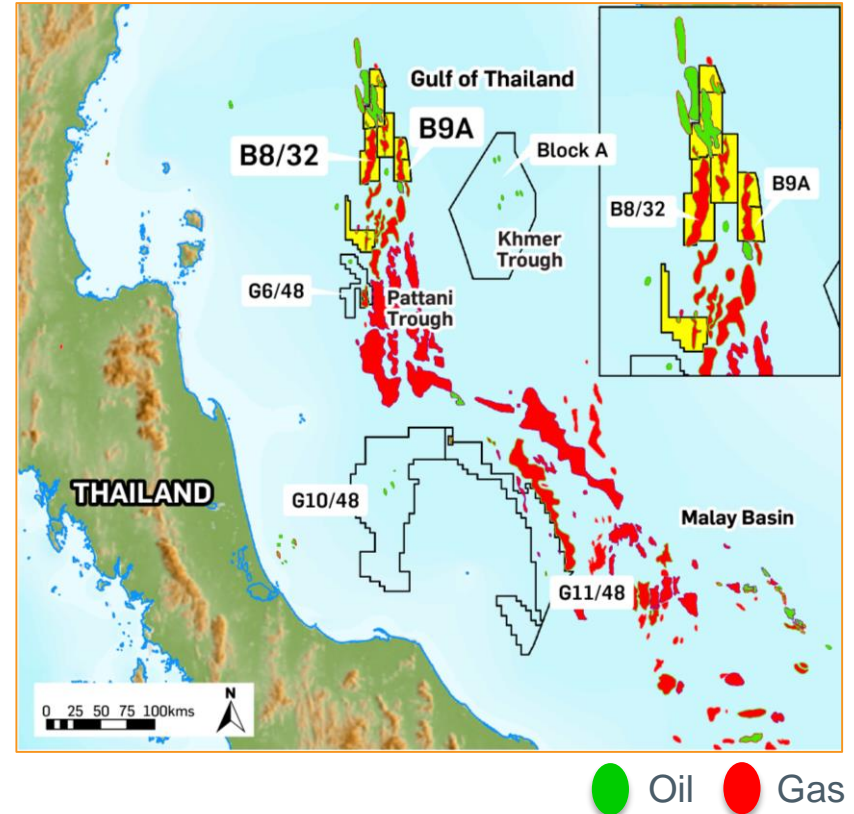
# Production – Thailand

## B8/32 & B9A

- Status: Production, development and exploration
- Area: 2,072 sq. km
- Location: Gulf of Thailand over north Pattani Basin
- Water depths: 42 to 113 metres
- Gross cumulative production up to 31 December 2014 was 417 mmboe<sup>1</sup>
- Working interest 2P reserves: 11.2 mmboe<sup>1</sup>

## Partners:

- |                 |                   |
|-----------------|-------------------|
| • KrisEnergy    | 4.63%             |
| • Chevron       | 51.66% (Operator) |
| • PTTEP         | 25.00%            |
| • MOECO         | 16.71%            |
| • Palang Sophon | 2.00%             |



## Geology:

- Source: Eocene to Oligocene lacustrine and Miocene fluvio-deltaic shales
- Reservoir: Oligo-Miocene fluvio-deltaic sandstones
- Trap: Tilted fault blocks
- Seal: Oligo-Miocene intra-formational shales

<sup>1</sup> NSAI estimate as at 31 December 2014

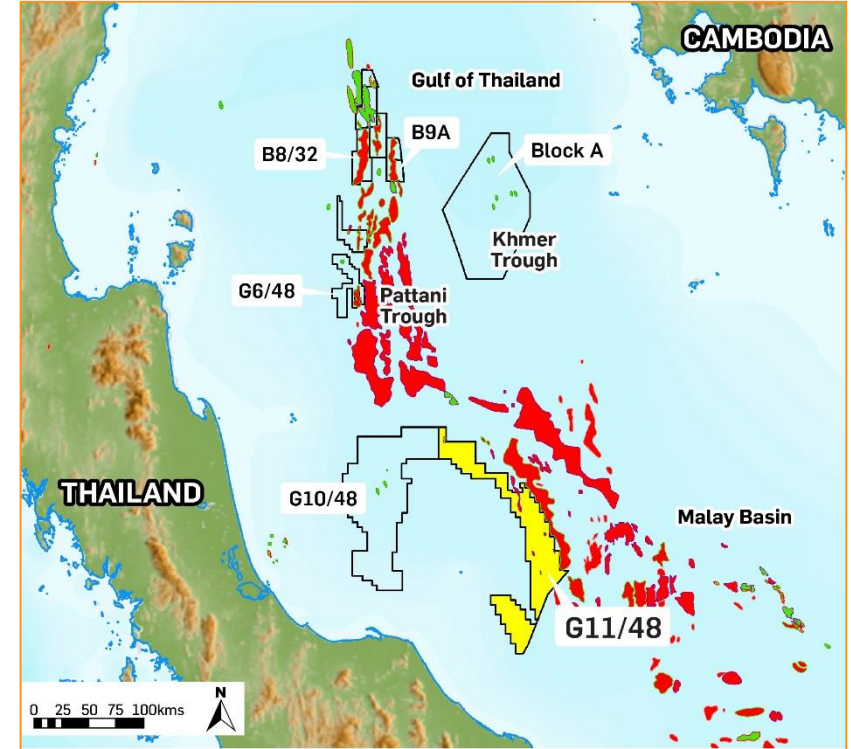
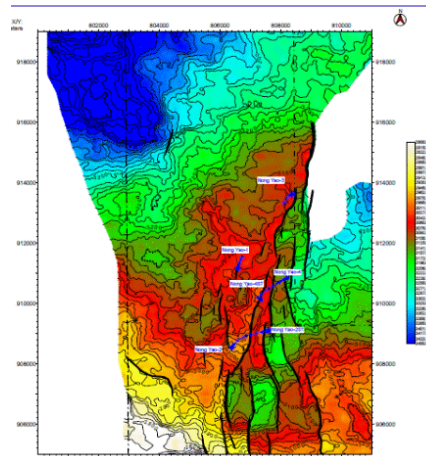
# Production – Thailand

## G11/48

- Status: Production, appraisal and exploration
- Area: 3,374 sq. km
- Location: Gulf of Thailand over southern margin of Pattani Basin and northwest margin of Malay Basin
- Water depths: Up to 75 metres
- Working interest 2P reserves: 2.9 mmboe<sup>1</sup>
- Working interest 2C reserves DU: 1.4 mmboe<sup>1</sup>

## Partners

- |                      |                  |
|----------------------|------------------|
| • KrisEnergy         | 22.5%            |
| • Mubadala Petroleum | 67.5% (Operator) |
| • Palang Sophon      | 10.0%            |



● Oil ● Gas

## Geology:

- Source: Eocene to Oligocene lacustrine and Miocene fluvio-deltaic shales
- Reservoir: Oligo-Miocene fluvio-deltaic sandstones
- Trap: Tilted fault blocks
- Seal: Oligo-Miocene intra-formational shales

<sup>1</sup> NSAI estimate as at 31 December 2014



# Production – Thailand

## G10/48

- Status: Production, appraisal and exploration
- Area: 4,696 sq. km
- Location: Gulf of Thailand over southern margin of Pattani Basin
- Water depths: Up to 60 metres

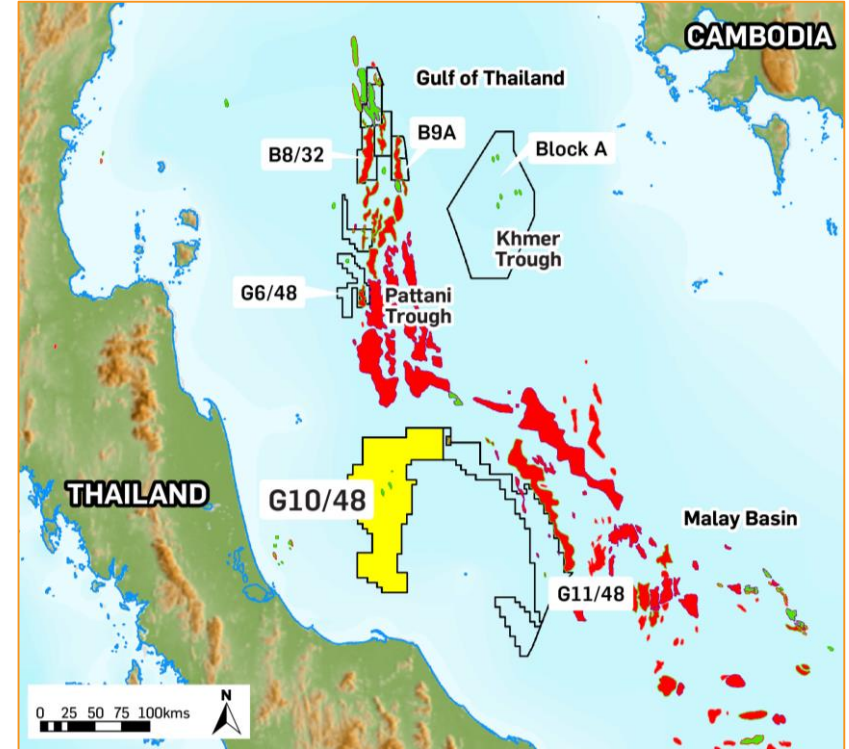
## Partners:

- KrisEnergy 100%<sup>1</sup> (Operator)

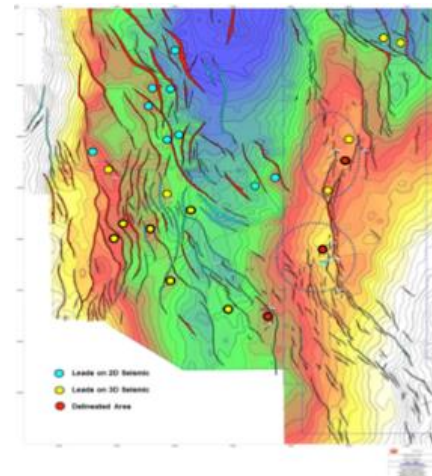
## Geology:

- Source: Eocene to Oligocene lacustrine and Miocene fluvio-deltaic shales
- Reservoir: Oligo-Miocene fluvio-deltaic sandstones
- Trap: Tilted fault blocks
- Seal: Oligo-Miocene intra-formational shales

<sup>1</sup> KrisEnergy has an effective 89% working interest in G10/48



Oil Gas



# Near-Term Production – Thailand

## G6/48

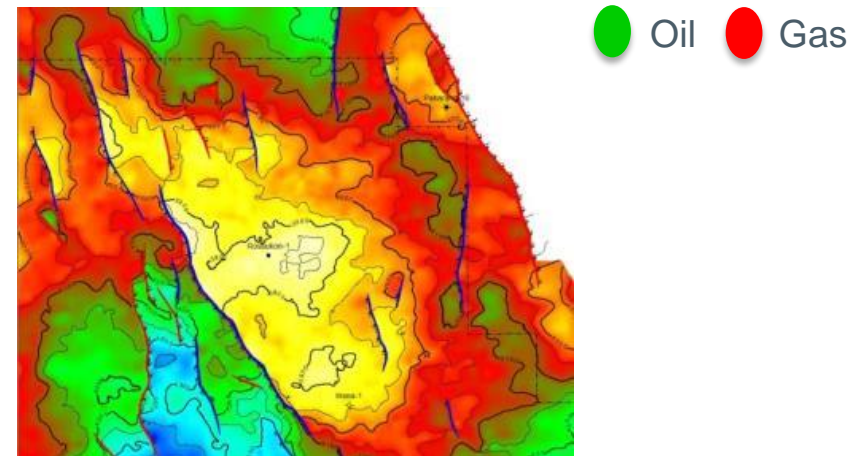
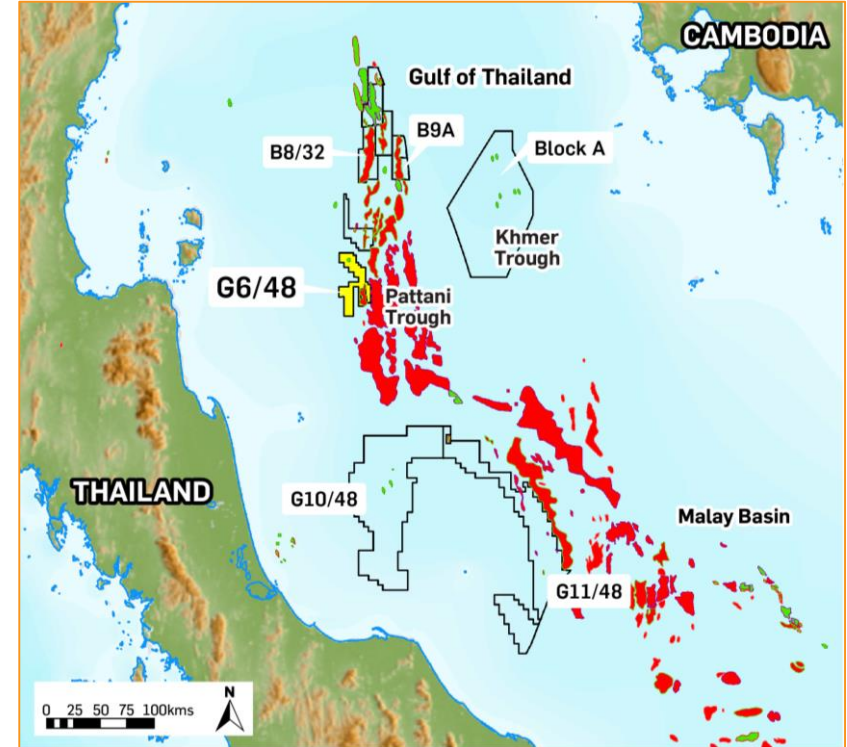
- Status: Near-term production and exploration
- Area: 566 sq. km
- Location: Gulf of Thailand over Karawake Basin on western margin of Pattani Basin
- Water depths: 60 to 70 metres

## Partners:

- |                           |                |
|---------------------------|----------------|
| • KrisEnergy              | 30% (Operator) |
| • Mubadala Petroleum      | 30%            |
| • Northern Gulf Petroleum | 40%            |

## Geology:

- Source: Eocene to Late Oligocene lacustrine and Miocene fluvio-deltaic shales
- Reservoir: Oligo-Miocene fluvio-deltaic sandstones
- Trap: Tilted fault blocks
- Seal: Oligo-Miocene intra-formational shales



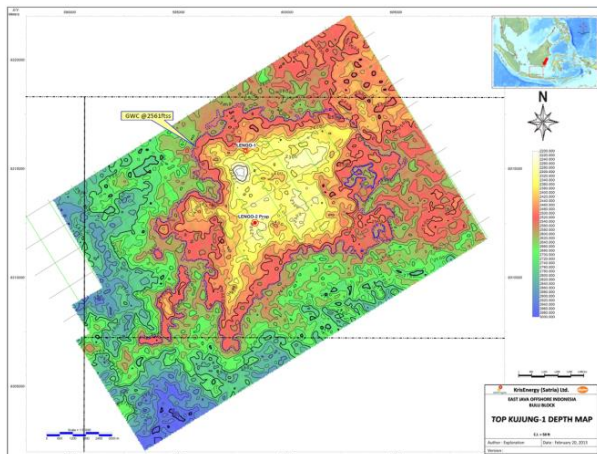
# Near-Term Production – Indonesia

## Bulu PSC

- Status: Near-term production
- Area: 697 sq. km
- Location: East Java Sea
- Water Depths: 50 to 60 metres

## Partners:

- |                          |                  |
|--------------------------|------------------|
| • KrisEnergy             | 42.5% (Operator) |
| • AWE Ltd                | 42.5%            |
| • PT Satria Energindo    | 10.0%            |
| • PT Satria Wijayakusuma | 5.0%             |



## Geology:

- Source: Eocene deltaic and lacustrine coals and carbonaceous shales. Early Miocene marine shales and Plio-Pleistocene mudstones
- Reservoir: Oligo-Miocene carbonates and mid-Miocene sandstones
- Trap: Oligo-Miocene carbonate and mid-Miocene marine sandstones
- Seal: Miocene regional shales



# Development – Indonesia

## Block A Aceh PSC

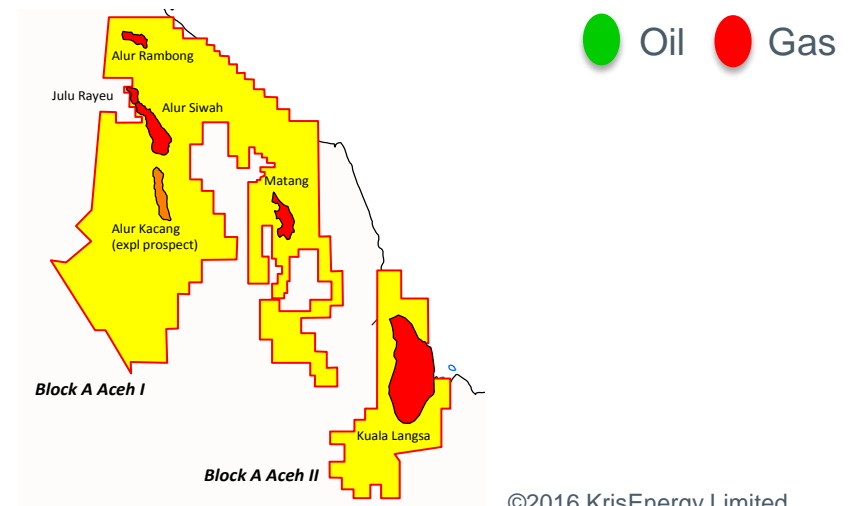
- Status: Development pending, appraisal and exploration
- Area: 1,680 sq. km
- Location: North Sumatra Basin

## Partners:

- KrisEnergy 41.6666%
- Medco 41.6667% (Operator)
- Japex Ltd 16.6667%

## Geology:

- Source: Oligo-Miocene marine shales
- Reservoir: Early-Mid Miocene carbonates and clastics
- Trap: Carbonate reefal build-ups, faulted anticlines and tilted fault blocks
- Seal: Middle Miocene marine shales



# Development – Cambodia

## Cambodia Block A

- Status: Development pending and exploration
- Area: 4,709 sq. km
- Location: Khmer Basin, Gulf of Thailand
- Water depths: 50 to 80 metres

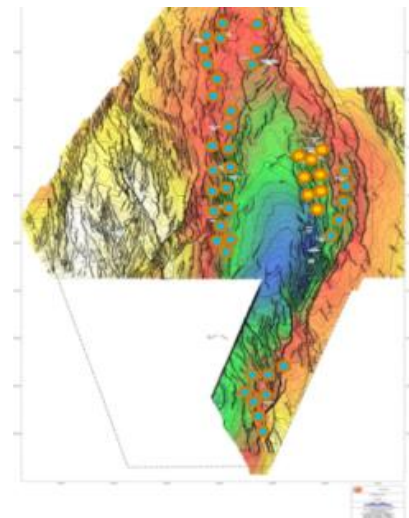
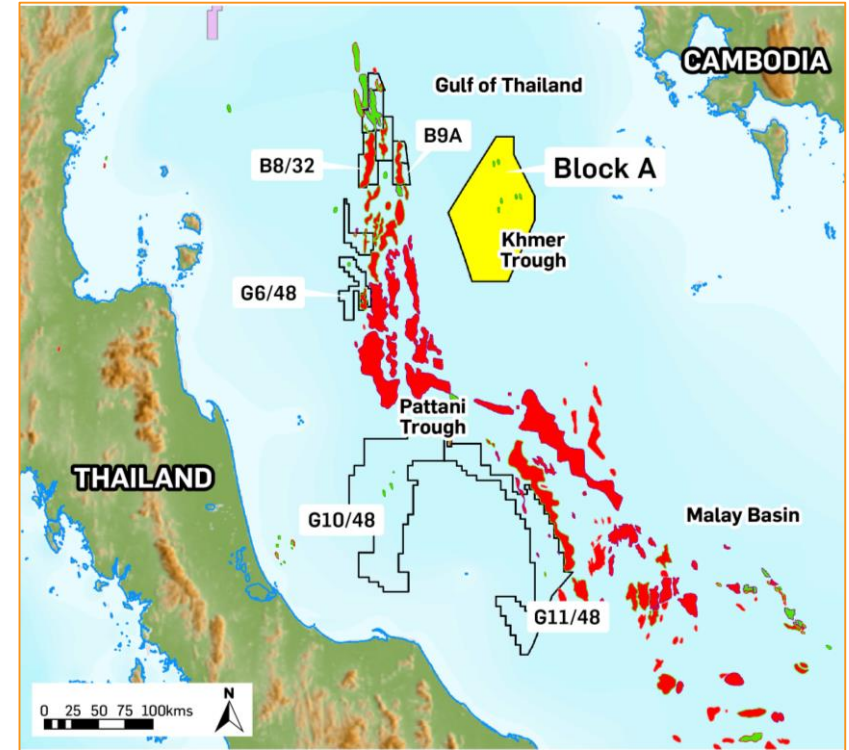
## Partners<sup>1</sup>:

- |              |                   |
|--------------|-------------------|
| • KrisEnergy | 52.25% (Operator) |
| • MOECO      | 28.50%            |
| • GS Energy  | 14.25%            |
| • MME        | 5.00%             |

## Geology:

- Source: Eocene to Oligocene lacustrine and Miocene fluvio-deltaic shales
- Reservoir: Oligo-Miocene fluvial sandstones
- Trap: Tilted fault blocks
- Seal: Oligo-Miocene intra-formational fluvial shales

<sup>1</sup> After a 5% transfer of working interest to Cambodia MME



● Oil ● Gas

# Appraisal – Indonesia

## East Muriah PSC

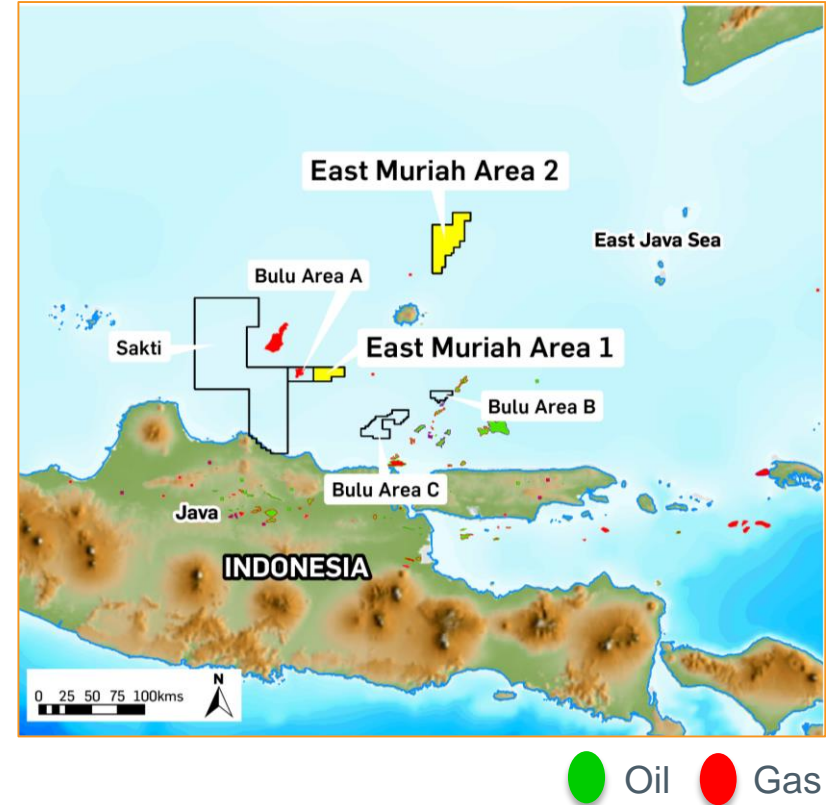
- Status: Development pending/appraisal
- Area: 995 sq. km
- Location: East Java Sea
- Water Depths: 50 to 65 metres
- Working interest 2C resources DP: 1.6 mmboe<sup>1</sup>

## Partners:

- KrisEnergy 50% (Operator)
- AWE Ltd 50%

## Geology:

- Source: Eocene deltaic and lacustrine coals and carbonaceous shales. Early Miocene marine shales and Plio-Pleistocene mudstones
- Reservoir: Oligo-Miocene carbonates
- Trap: Oligo-Miocene carbonate reefs
- Seal: Miocene regional shales



<sup>1</sup> NSAI estimate as at 31 December 2014



# Appraisal/Development – Indonesia

## Kutai PSC

- Status: Development pending and appraisal
- Area: 944 sq. km
- Location: Mahakam River delta, Makassar Strait
- Water Depths: 50 to 90 metres
- Working interest 2C resources DP: 6.9 mmboe<sup>1</sup>

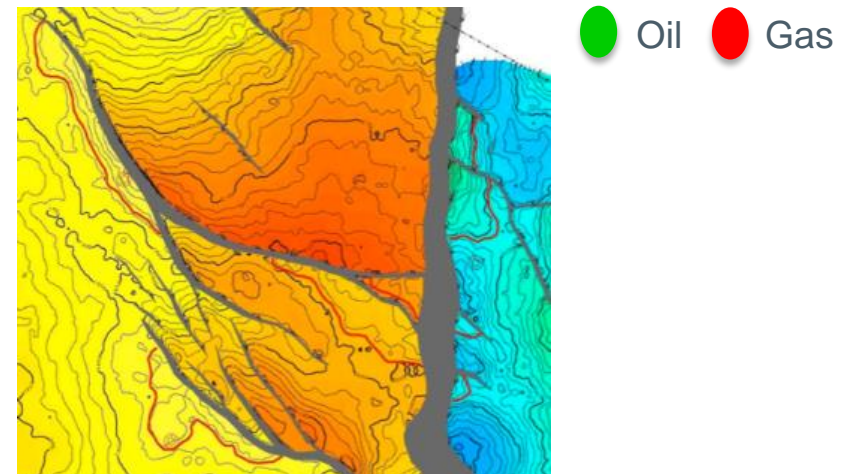
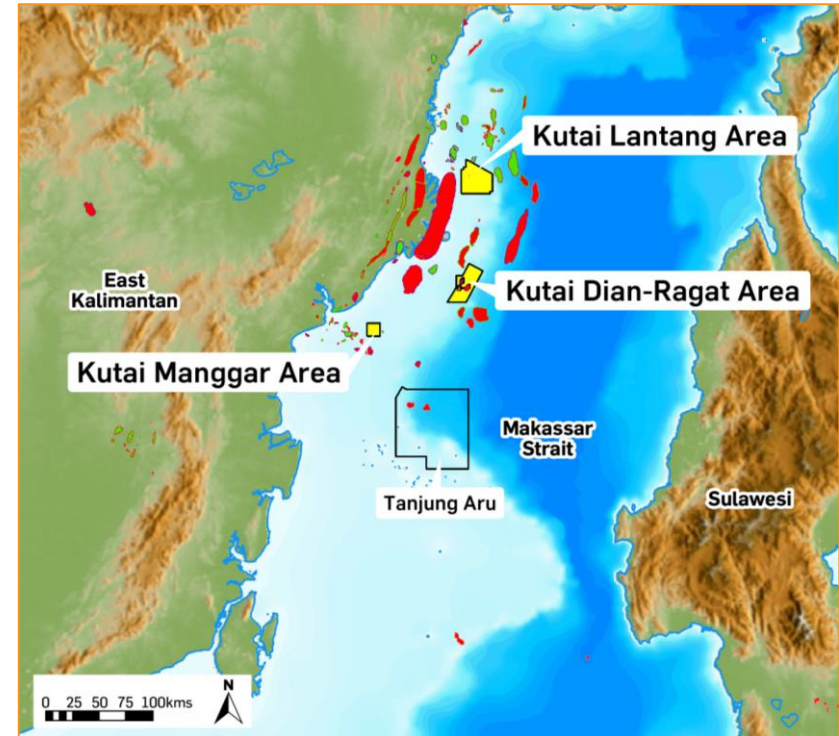
## Partners:

- |                    |                  |
|--------------------|------------------|
| • KrisEnergy       | 54.6% (Operator) |
| • Ophir Energy     | 23.4%            |
| • Orchid Kutai Ltd | 22.0%            |

## Geology:

- Source: Miocene coals and carbonaceous shales
- Reservoir: Middle Miocene to Pliocene deltaic sandstones
- Trap: Faulted anticlines, tilted fault blocks, stratigraphic channels and carbonate build-ups
- Seal: Middle Miocene to Pliocene intra-formational shales

<sup>1</sup> NSAI estimate as at 31 December 2014



# Appraisal – Indonesia

## Tanjung Aru PSC

- Status: Development unclarified and exploration
- Area: 3,143 sq. km
- Location: Southern edge of Kutai Basin, Makassar Strait
- Water Depths: 20 metres to over 1,000 metres
- Working interest 2C resources DU: 7.9 mmboe<sup>1</sup>

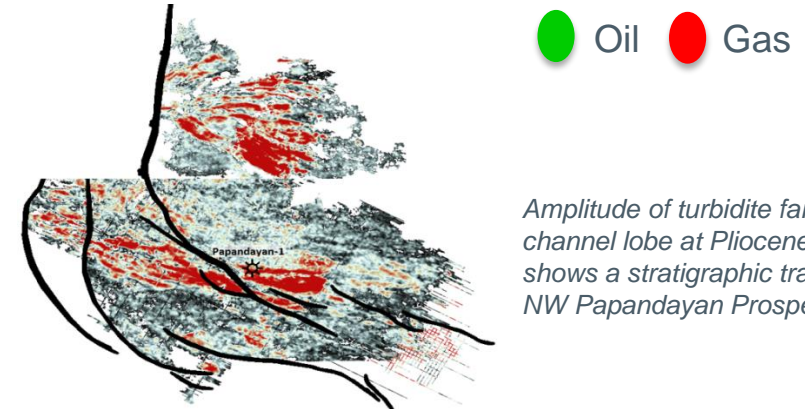
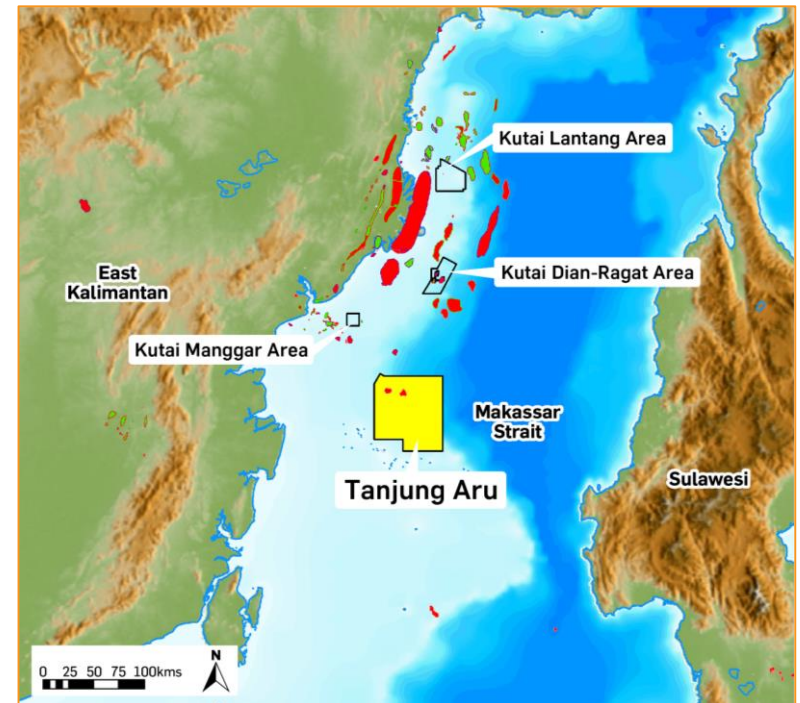
## Partners:

- KrisEnergy 85% (Operator)
- Natuna Ventures Pte Ltd 15%

## Geology:

- Source: Miocene coals and carbonaceous shales
- Reservoir: Mio-Pliocene channel/fan complexes
- Trap: Structural and stratigraphic
- Seal: Mio-Pliocene intra-formational shales

<sup>1</sup> NSAI estimate as at 31 December 2014



# Exploration – Indonesia

## Sakti PSC

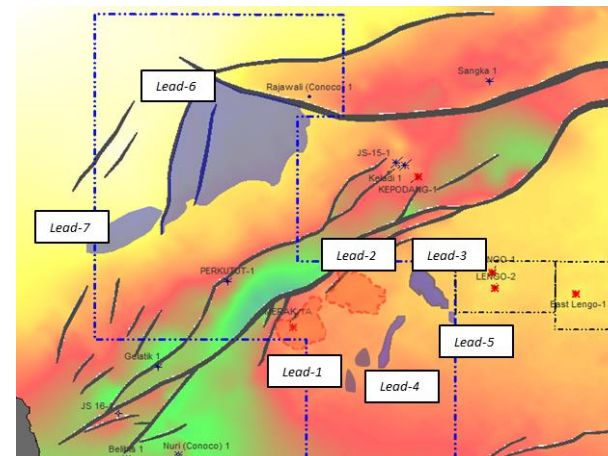
- Status: Exploration
- Area: 4,974 sq. km
- Location: East Java Sea
- Water Depths: 50 to 60 metres

## Partners

- KrisEnergy 95% (Operator)
- PT. Golden Heaven Jaya Ltd. 5%

## Geology

- Source: Oligocene-Miocene coals
- Reservoir: Late Oligocene to Early Miocene Carbonate and Early to Middle Miocene sands
- Trap: Structural and Stratigraphic Plays
- Seal: Middle Miocene-Pliocene shales



● Oil ● Gas



# Exploration – Indonesia

## East Seruway PSC

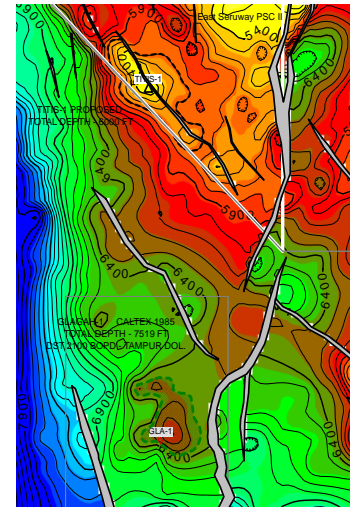
- Status: Exploration
- Area: 1,172 sq. km
- Location: North Sumatra Basin, Malacca Strait
- Water Depths: 25 to 60 metres

## Partners:

- KrisEnergy 100% (Operator)

## Geology:

- Source: Oligo-Miocene, carbonaceous shales and marine mudstones
- Reservoir: Early Miocene carbonates and clastics and fractured domitic basement
- Trap: Carbonate reefal/build-ups, faulted anticlines and tilted fault blocks
- Seal: Early Miocene intra-formational shales



# Exploration – Indonesia

## Udan Emas PSC

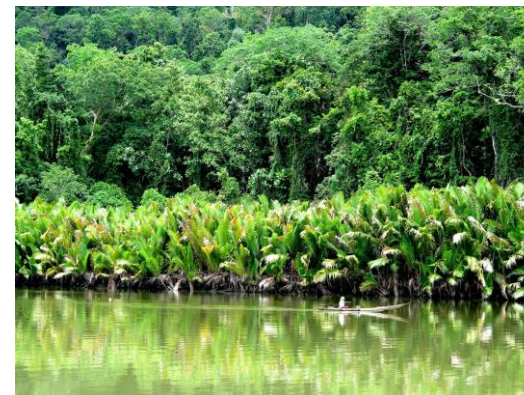
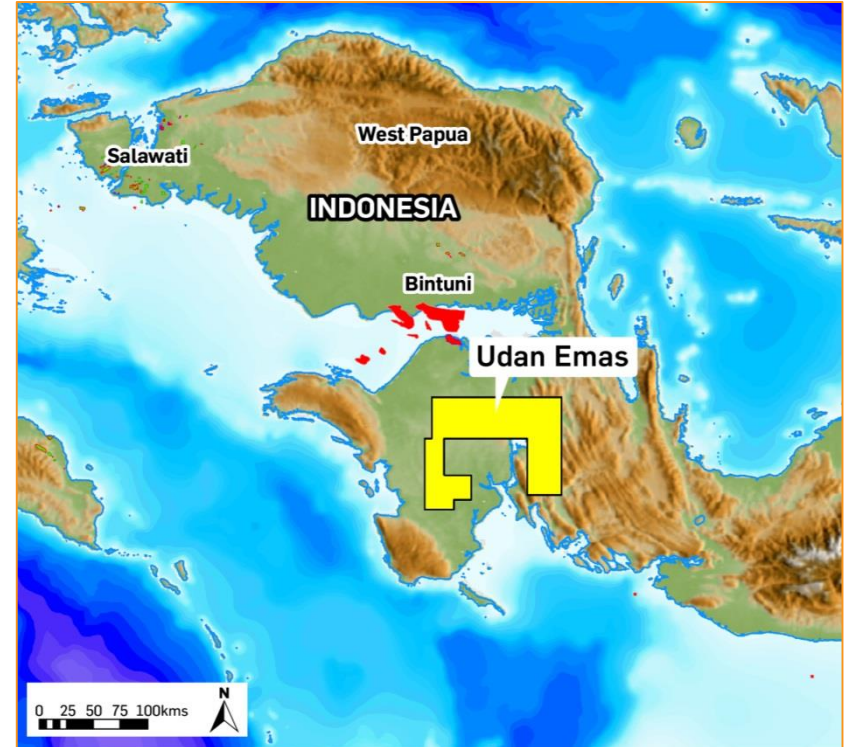
- Status: Exploration
- Area: 5,396 sq. km
- Location: Onshore West Papua over Bintuni Basin

## Partners:

- KrisEnergy 100% (Operator)

## Geology:

- Source: Permian-Jurassic carbonaceous shales and coals
- Reservoir: Jurassic sandstones
- Trap: Structural/stratigraphic
- Seal: Intra-formational Mesozoic shales



Terrain in the Udan Emas PSC area

● Oil ● Gas

# Exploration – Vietnam

## Block 105

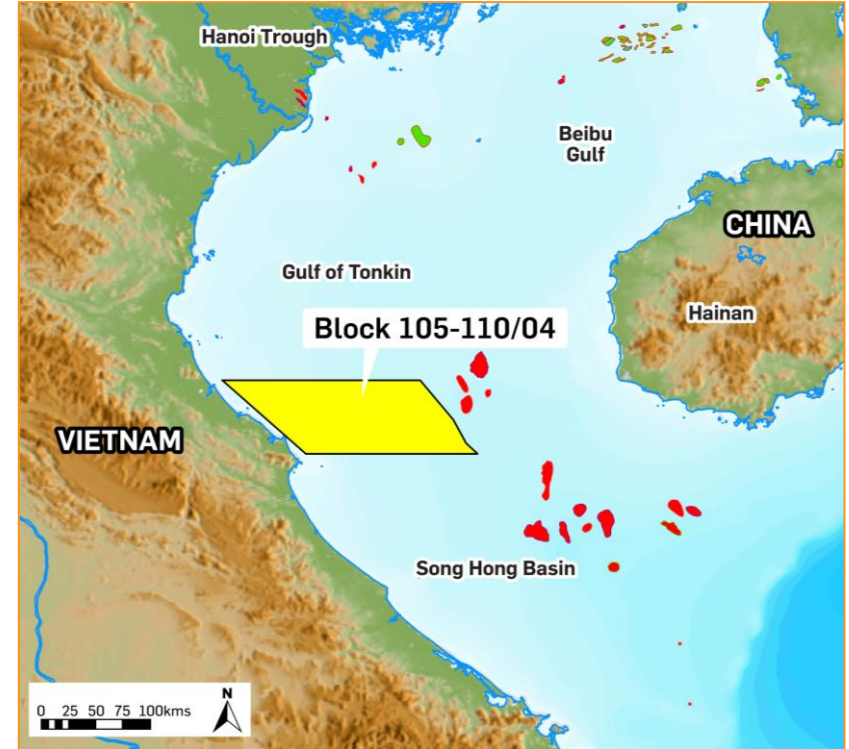
- Status: Exploration
- Area: 7,192 sq. km
- Location: Central Song Hong Basin
- Water depths: 20 to 80 metres

## Partners:

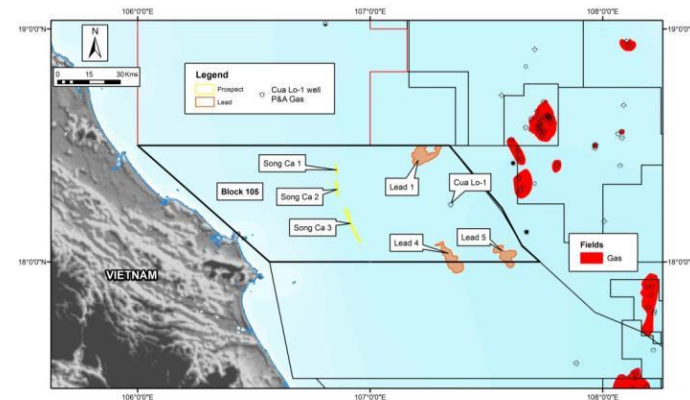
- KrisEnergy 51% (Operator)
- PetroVietnam 49%

## Geology:

- Source: Oligocene to Middle Miocene lacustrine shales and Mio-Pliocene deltaic/marine shales
- Reservoir: Oligocene to Pliocene deltaic, marginal marine and turbidite fan sands
- Trap: Tilted fault blocks, rollover and faulted anticlines and turbidite fans
- Seal: Oligocene to Pliocene regional and intra-formational shales



Oil Gas





# Exploration – Vietnam

## Block 115/09

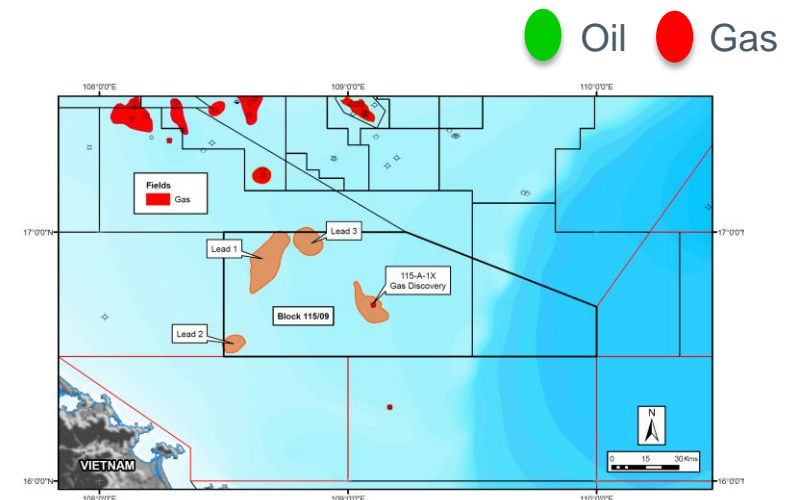
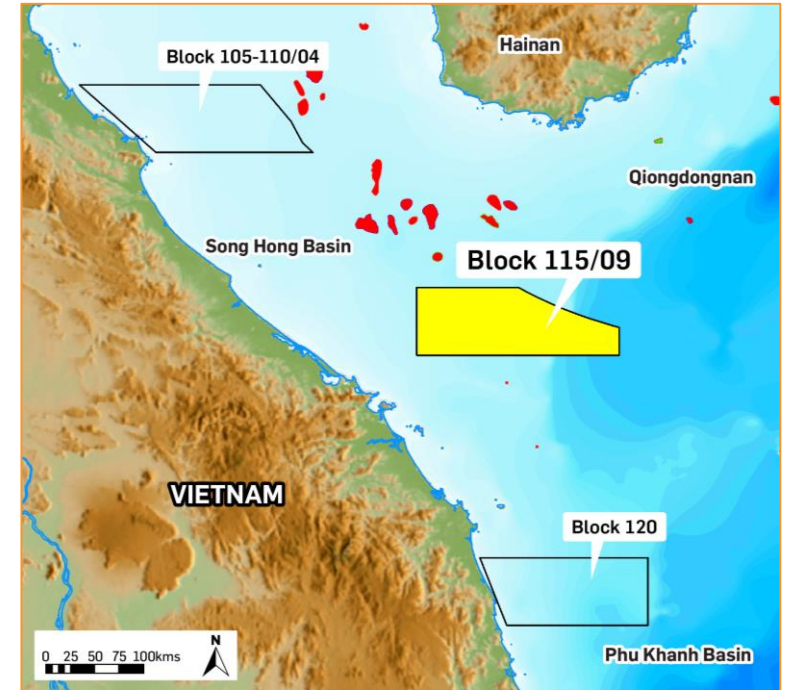
- Status: Exploration
- Area: 7,382 sq. km
- Location: Southern Song Hong Basin
- Water depths: 60 to 200 metres

## Partners:

- KrisEnergy 100% (Operator)

## Geology:

- Source: Oligo-Miocene lacustrine shales and Mio-Pliocene deltaic/marine shales
- Reservoir: Oligocene to Pliocene deltaic, marginal marine and turbidite fan sandstones
- Trap: Tilted fault blocks, faulted anticlines and turbidite fans
- Seal: Oligocene to Pliocene regional and intra-formational shales



# Exploration – Vietnam

## Block 120

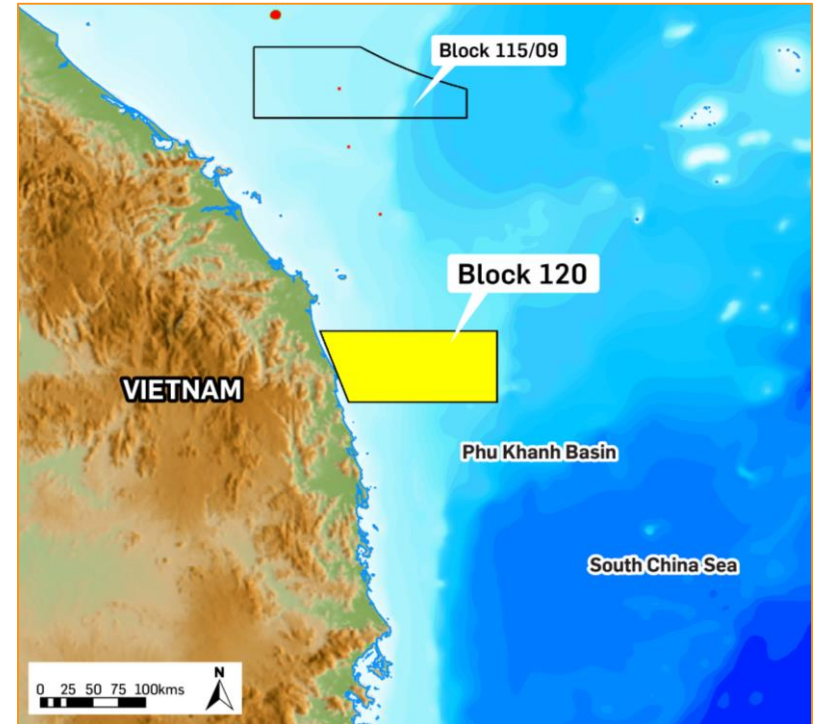
- Status: Exploration
- Area: 6,869 sq. km
- Location: Overlying Quang Ngai Graben in north and central areas, passing into Phu Khanh Basin in the south
- Water depths: 50 to 650 metres

## Partners:

- KrisEnergy 33.33%
- Eni Vietnam 66.67% (Operator)

## Geology:

- Source: Eocene to Oligocene lacustrine shales
- Reservoir: Oligocene fluvial sands, Miocene carbonate reefs and turbidite fan sands
- Trap: Tilted fault blocks, faulted anticlines, carbonate reefs and turbidite fans
- Seal: Oligo-Miocene intra-formational shales



Oil Gas



# Exploration – Bangladesh

## SS-11

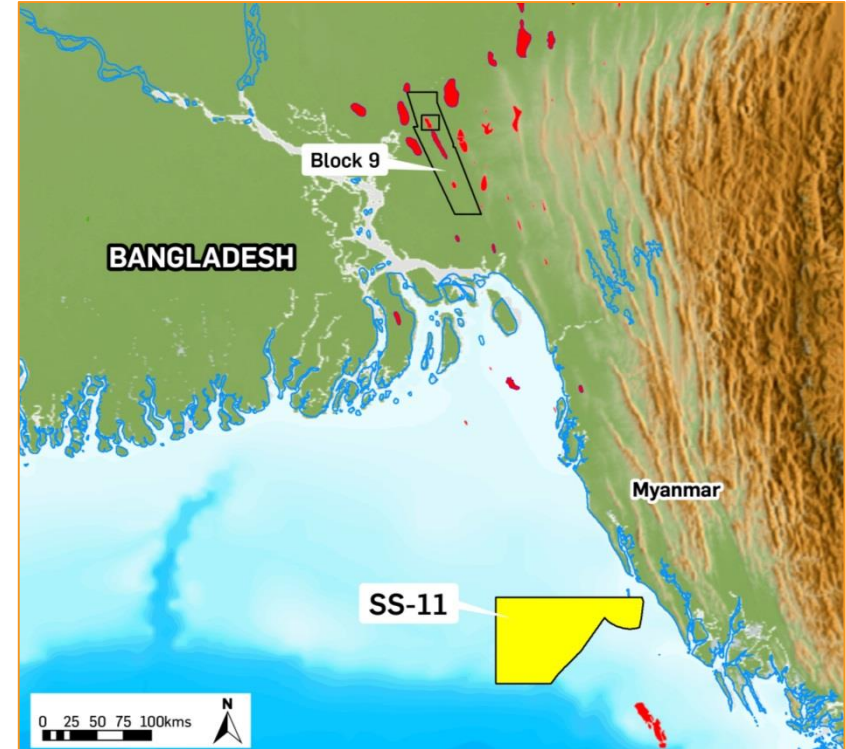
- Status: Exploration
- Area: 4,475 sq. km
- Location: Bay of Bengal over Bengal Fan
- Water depths: 200 to 1,500 metres

## Partners:

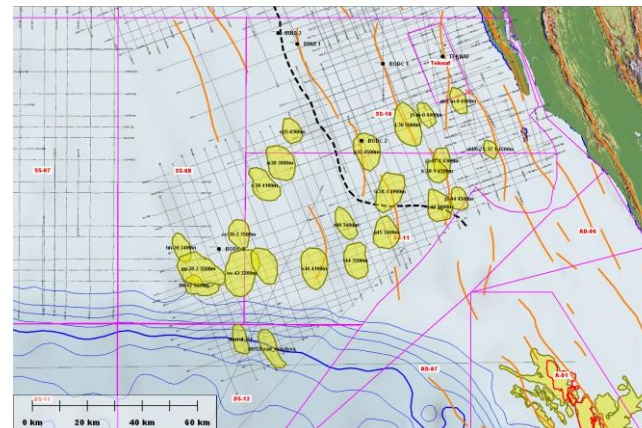
- |              |                |
|--------------|----------------|
| • KrisEnergy | 45%            |
| • Santos     | 45% (Operator) |
| • BAPEX      | 10%            |

## Geology:

- Source: Tertiary deltaic and marine shales with both thermogenic and biogenic potential
- Reservoir: Stacked Mio-Pliocene deltaic, slope and basin floor fan sandstones
- Trap: Structural and stratigraphic
- Seal: Intra-formational Mio-Pliocene deltaic and marine shales



● Oil ● Gas





# Disclaimer

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