PTT Exploration and Production Public Company Limited

UBS LVMC Conference4 June 2015





Dow Jones Sustainability Indices

In Collaboration with RobecoSAM 🐠









Company Overview

Financial Results

Outlook

Thailand's Energy Value Chain







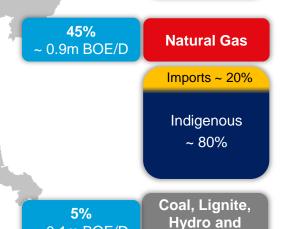
Energy Demand and Sources

50%
~ 1.1m BOE/D

Crude Oil & Condensate

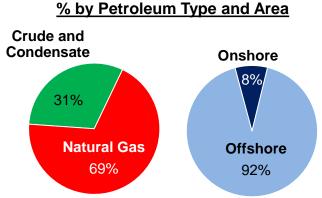
2014 Energy Demand
~ 2.1 million
BOE/D

Indigenous ~ 22%

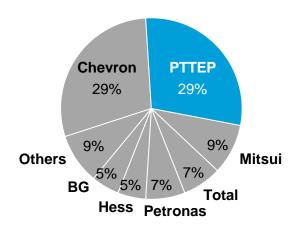


~ 0.1m BOE/D

Thailand Petroleum Production 2014



% Production by Company



Integration with
Midstream and
Downstream Value Chain

Midstream

Transmission Pipelines Gas Separation Plants

Downstream & End User Products

Refineries
Petrochemical Plants
Power Plants
Electricity
Industrial Plants
Transportation
Fuels, Lubes, NGV/CNG
Household Use and Products
LPG

Chemical Products

Source: Energy Policy and Planning Office (EPPO) and Department of Mineral Fuels (DMF)

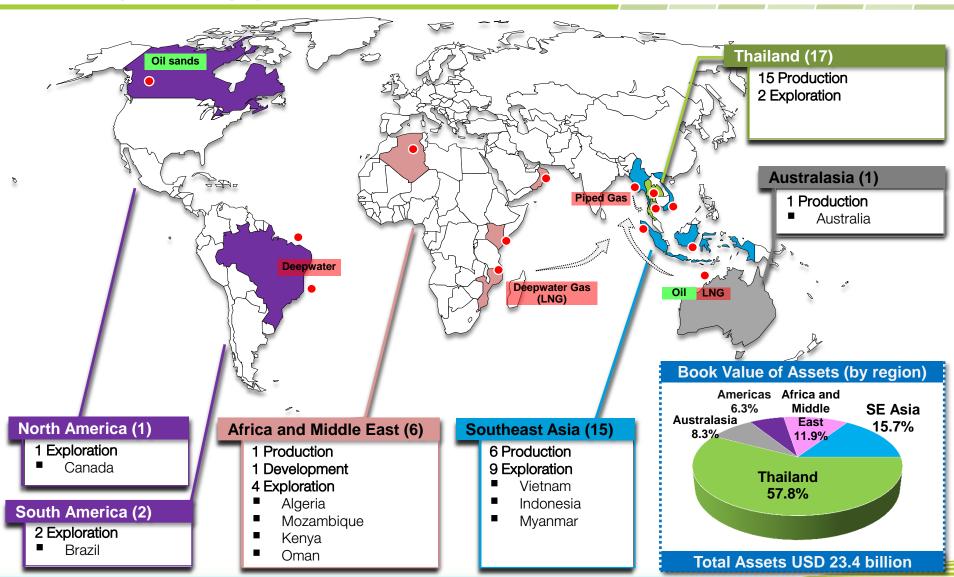
Others

Diversified International Portfolio





Worldwide operations: 42 projects* in 11 countries



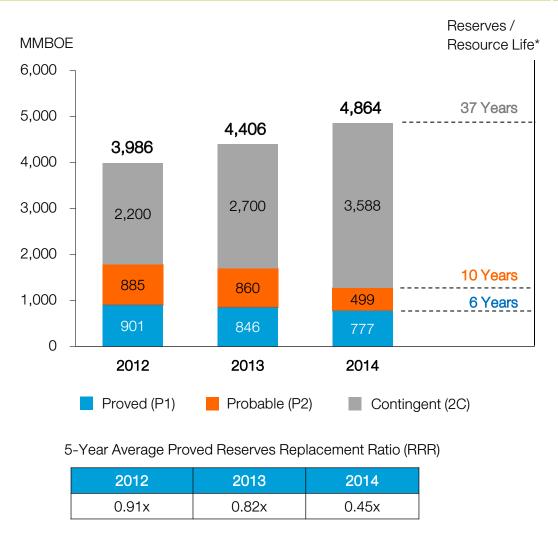
Notes:

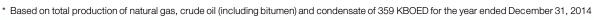
Reserves and Resources

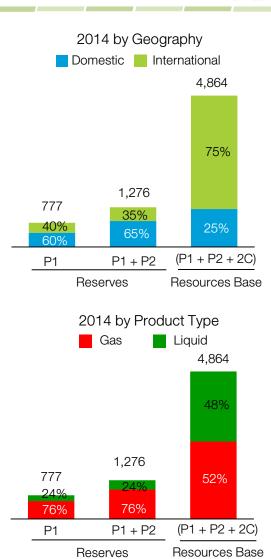
PTTEP



Target resource turnaround in the near future













Company Overview

Financial Results

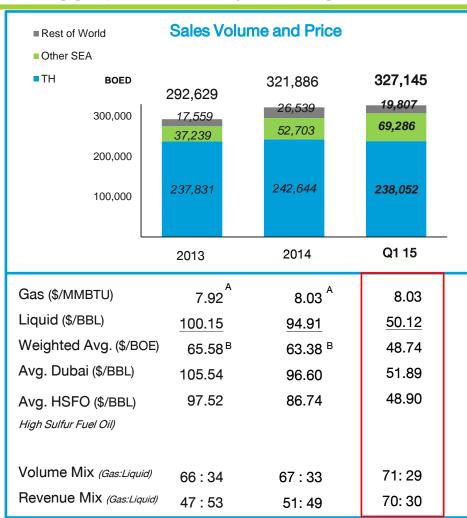
Outlook

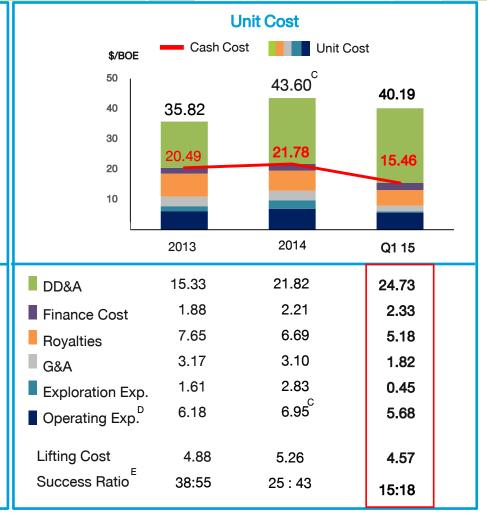
Sales Volume & Unit Costs





Strong gas price and healthy cash margin amidst low oil prices environment





A) If Vietnam 16-1 retroactive sales are excluded, gas price is \$8.01 for 2013 and 8.07 \$ for 2014

B) If Vietnam 16-1 retroactive sales are excluded, average selling price is 66.09 for 2013 and 63.59 for 2014

C) If exclude extra expense from Montara's Development well (H5): 2014 Operating Exp.: 6.53 \$/BOE / Unit cost: 43.18 \$/BOE

D) Exclude diluent cost for blending bitumen in KKD Oil Sands project

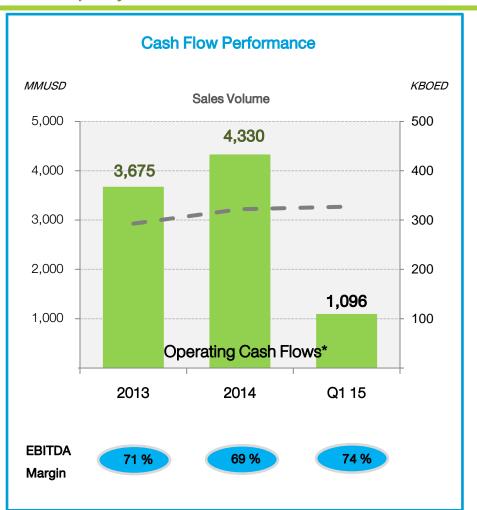
E) Exploration and Appraisal wells

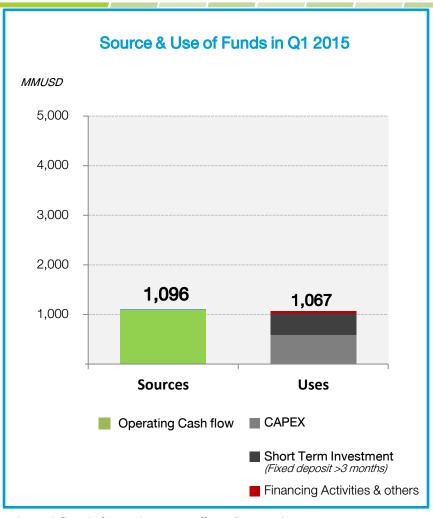
Cash Flow Performance

PTTEP



Robust liquidity to fund CAPEX and Debt Service





^{*} Net of adjustment for the effect of exchange rate changes on cash and cash equivalents. Operating cash flows before exchange rate effect adjustment is: 2013 = 3,740 MMUSD; 2014 = 4,320 MMUSD and Q1 2015 = 1,094 MMUSD

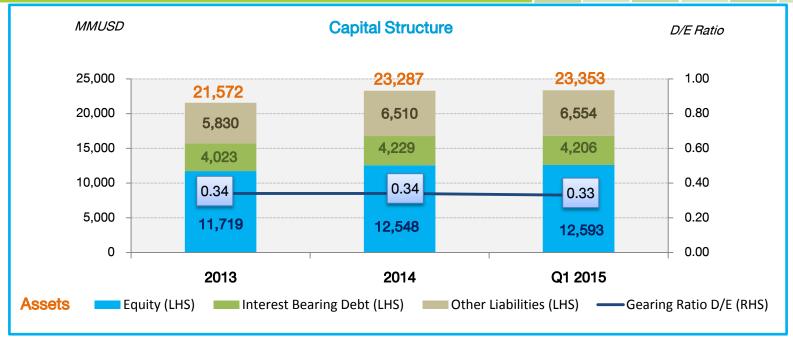
^{**} Operating cashflow included in Source of fund in Q1 2015 is shown net of adjustment for the effect of exchange rate changes on cash and cash equivalents 1,094 MMUSD

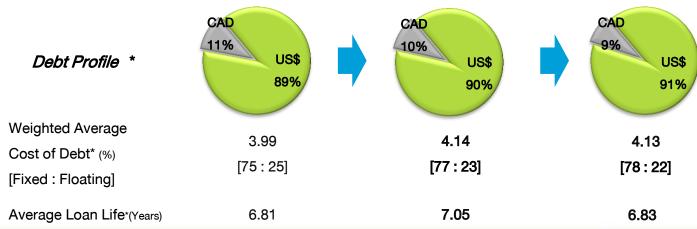
Financial Position





Strong Balance Sheet with Low Gearing



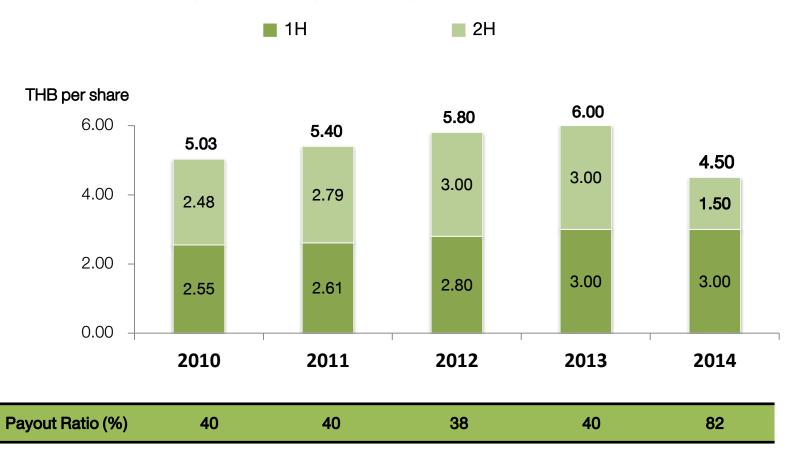


^{*} Excludes Hybrid bonds





Dividend Payment History (Policy: No Less Than 30% of Net Income)



2015 liquidity



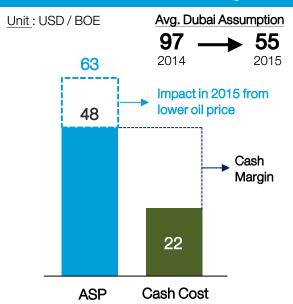


Strong cash margin from resilient gas price coupled with competitive cash cost

Resilient gas price



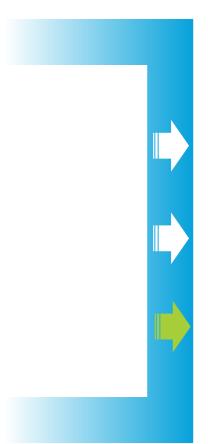
Protected cash margin



- ✓ Strong gas portfolio limits oil price downside
- Competitive cash cost supports healthy operating cash flow







Company Overview

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Outlook

Company Outlook

Adaptive to industry fundamental change







Near-term priorities: key objectives



Deliver 3-6% sales volume growth

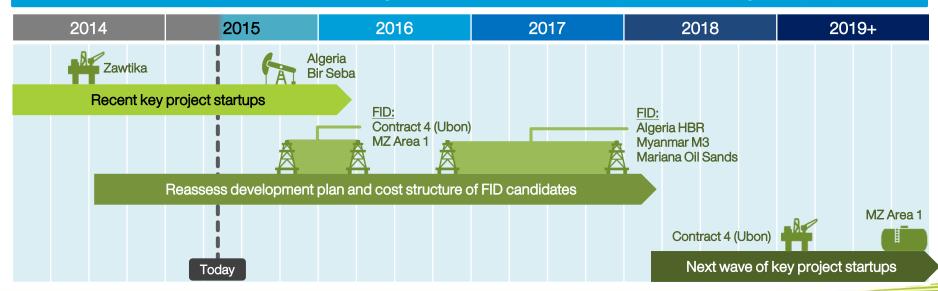


Focus on cost optimization and investment prioritization



Leverage strong balance sheet for value-creating growth opportunity

Further down horizon: deliver near-term growth and reassess feasibility of medium-long term prospects



SAVE to be SAFE

Four levers to manage our capital efficiency





"Efficiency"

- Integrated activity planning
- Contract renegotiation and sourcing strategy
- Synergy & Standardization
- Inventory management

Cost Optimization

- ✓ Operational Excellence
- ✓ Supply chain savings
- Development cost improvement

Production Stabilization

- ✓ Operational reliability
- Field capacity vs nomination

"Productivity"

- Minimize unplanned shutdown
- Close coordination with PTT on gas nomination

"Effectiveness"

- Capital allocation
- Strengthen project management process

Financial & Portfolio Management

- ✓ Investment prioritization
- ✓ Exploration prioritization
- ✓ Risk management & hedging program

G&A Reduction & Culture

- ✓ G&A reduction
- ✓ Cost conscious culture

"Awareness"

- Manpower optimization
- Travelling expense management
- Culture of "Fit for Purpose",
 "Just-in-Time"

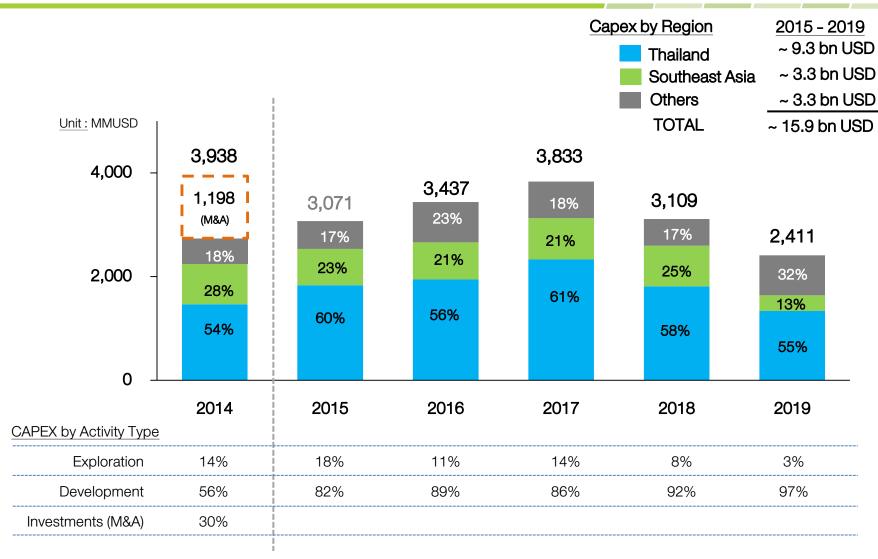
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Investment Plan





Target at least 10% reduction from announced 2015 investment plan



Sales Volume Profile





Thailand and Southeast Asia continue to be the strong production base



Based on announced 5-year investment plan on 22 December 2014

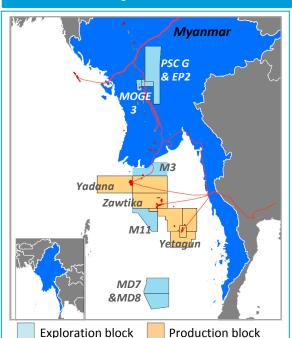
Our investments in LVMC







Myanmar



- 3 Producing Gas Projects: Zawtika (Op.), Yadana (Non. Op), Yegatun (Non. Op)
- One of the largest commercial reserve holder in Myanmar with significant acreage position (via 5 exploration projects)

LVMC contribution to PTTEP portfolio

2014

2015 (e)

Sales volume from LVMC

49k boed

(70% from Myanmar, 30% from Vietnam)



Outlook:

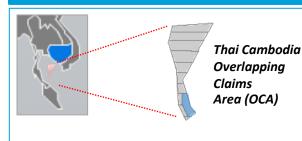
Further upside through exploration

Vietnam



- 2 Producing Oil Projects (Joint-Op)
 Vietnam 16-1
 Vietnam 9-2
- 2 exploration projects

Cambodia



- Potential prospects through the unlocking of the OCA area
- G2G negotiations ongoing

^{*} Based on Net Profits before impairment







Fundamental change in E&P industry

- U.S. shale output re-shaping balance and dynamics of the oil market
- Expect market forces to rebalance but the path to price recovery is still uncertain
- The uncertainty also presents opportunities for industry's cost adjustment



Well prepared to weather downturn in oil price

- Cushion from gas-weighted volumes secured through long-term contracts
- Competitive cash cost profile ensures positive operating cash flow
- Strong capital structure with low gearing and high liquidity founded on stringent financial discipline



Our priorities for 2015

- Target 3-6% sales volume growth
- Continued focus on cost optimization
- Prioritization of investments in exploration and pre-development portfolios
- Leverage of strong balance sheet for value-accretive M&A opportunities







For more information, please visit our website at

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Supplementary Index







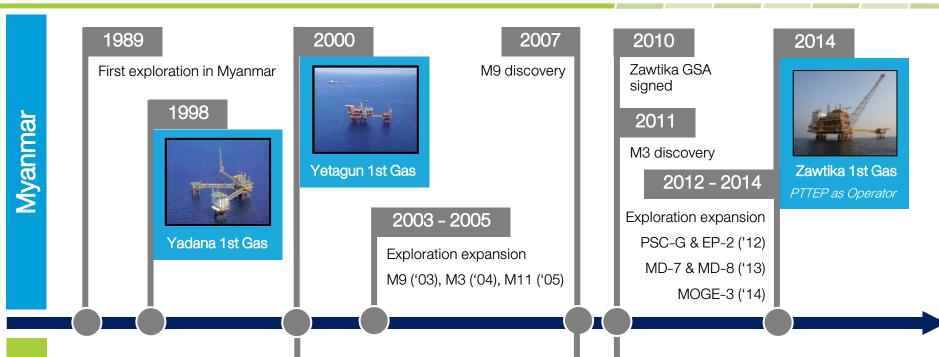
- 1. PTTEP's History in LVMC
- 2. Sustainable Development
- 3. Thailand Energy Updates
- 4. Shareholding Structure
- 5. Organization Structure
- 6. Key Project Highlights by Region
- 7. Project Details
- 8. Ratios & Formula

Our History in LVMC

PTTEP



Establishing growth platform in neighboring countries



Vietnam

2000

First investment in Vietnam Block B & 48/95 and Block 52/97

2008

Vietnam 9-2 1st Oil 2011



Vietnam 16-1 1st Oil

Sustainable Development



Pursuing long-term growth hand-in-hand with social and environmental well-being

MEMBER OF

Dow Jones Sustainability Indices

In Collaboration with RobecoSAM (

2014 DJSI Listed Company

Dow Jones Sustainability World Index Oil & Gas Sector



Proven business integrity

NACC Integrity Awards

The National Anti-Corruption Commission

Thailand's Top Corporate Brand Value Industrial Resources Sector

Chulalongkorn University

Best Public Company in Resources Sector Money & Banking Magazine







Certified Member

Thailand's Private Sector Collective Action Coalition Against Corruption (CAC)



Exemplary social contributor

CSR Excellence Award

Ministry of Social Development and Human Security

Best Strategic Corporate CSR

Alpha Southeast Asia Magazine

Global CSR Award: **Best Community Program**

Pinnacle Group International Singapore

Green driver to environment

Best Environmental Responsibility Corporate Governance Asia

Joint research project with HITZ for CO2 to methane conversion

Participation in Thailand Voluntary Emission Reduction Program (T-VER)

Our CSR and Socio-Economic programs in Myanmar



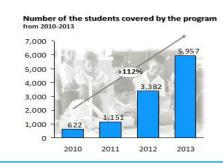


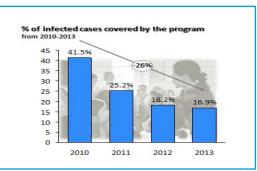
Growing with responsibility - Pioneer, Partner, Friend, Family

Health

Healthy Children, Strong Community

- Promotion of health and hygiene
- Provision of medical supplies and facilities





Education

A Tale of Dream Lost Then Found

- Scholarships for local students to support higher education
- Construction of learning facilities





Community Development

 Quality of Life Improvement (Religious Sites, Public Utilities, Infrastructure improvement)



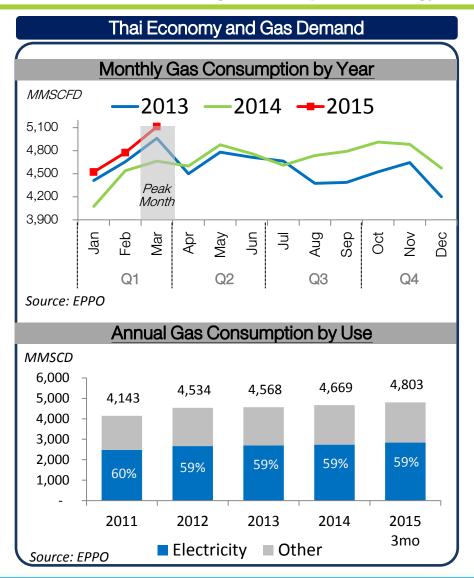


Thailand Energy Updates





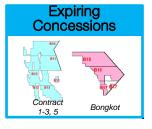
Gas demand continues to grow, and upstream energy reform makes progress



Upstream Energy Reform



 Bidding round expected to resume later in 2015 after reaching a solution on an appropriate fiscal policy



- NEPC announced basic principles to concession renewal
- Target for definitive solution within 2017
- Gas supply stability continues to be key consideration



 Discussion resumes at the Government level to seek resolution on OCA

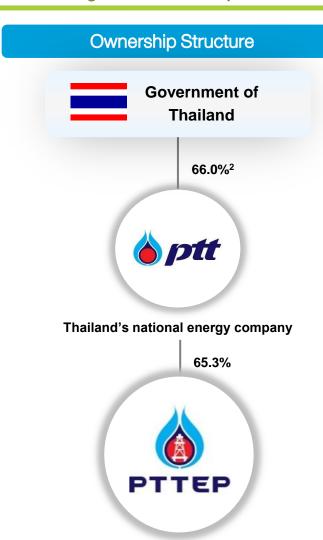
Source: MOE, DMF

Integral support from major shareholder





PTTEP leverages its relationships with PTT Plc. and the Thai Government



Oil & Gas exploration and production Flagship of PTT



PTTEP supplies more than 80% of sales volume to PTT, a financially strong corporate and Thailand's main provider of natural gas

 PTTEP is engaged in long-term gas off-take agreements (generally 25 to 30 years) with PTT, a major source of PTTEP's stable revenue stream



Synergies between PTTEP and PTT in the natural gas value chain

- PTTEP provides PTT with access to gas production
- PTT provides leverage and support for PTTEP's relationships with other government bodies and agencies
- The relationship with PTT provides PTTEP with a competitive position to offer integrated solutions to counterparties

Credit Ratings on par with Sovereign Rating

	PTTEP	Thailand
Moody's	Baa1	Baa1
S&P's	BBB+	BBB+
JCR	A-	A-
TRIS	AAA	N/A

Notes.

¹ Ownership as of 13 February 2015

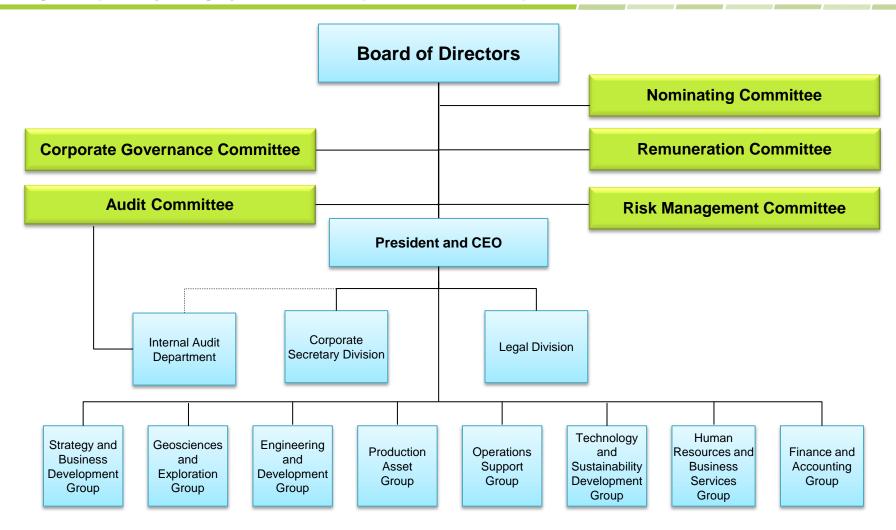
^{2 51.1%} is directly held by the Government of Thailand (Ministry of Finance), with the remaining 14.9% held by the state-controlled Vayupak Fund I

Organizational Structure





Ensuring Transparency, Integrity, and Good Corporate Governance practices



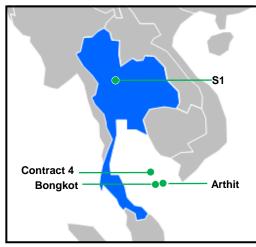
Thailand

Strong home base with legacy assets maintaining production plateau









Production / Ramp-up Projects

Bongkot (44.4% interest)

- Bongkot's production capacity of close to 1 Bcf/d represents approximately 20% of Thailand's natural gas supply
- Average natural gas sales volume from the Bongkot fields was 863 MMSCFD in Q1 2015
- Average condensate sales volume was 28.2 KBPD in Q1 2015

S1 (100% interest)

- S1 is the largest onshore crude oil production field in Thailand
- Average crude oil sales volume was 27 KBPD in Q1 2015

Arthit (80% interest)

 Average sales volume in Q1 2015 was 208 MMSCFD of natural gas and 9.5 KBPD of condensates

Acquisition of Hess Assets in Thailand

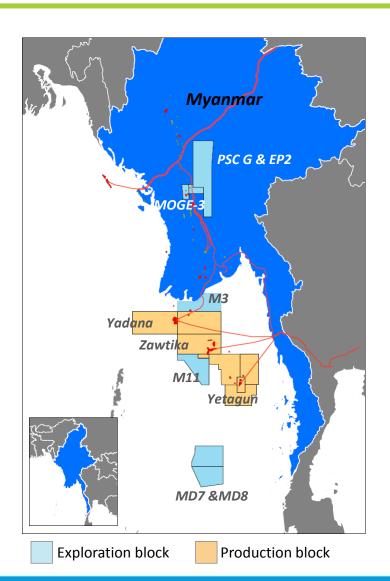
- PTTEP successfully acquired Hess Corporation's working interests in the Contract 4 project and Sinphuhorm project, and now holds 60% working interest in the Contract 4 project and 55% working interest in the Sinphuhorm project. PTTEP has also become the operator of the Sinphuhorm project
- The Contract 4 project had an average sales rate of 297 MMSCD for natural gas and 14.5 KBPD for condensate in Q1 2015

Southeast Asia: Myanmar

Significant contribution to growth







- Participation in three producing gas fields which supply gas to both Thailand and Myanmar: Yadana, Yetagun, Zawtika,
- Successful exploration and development of the Zawtika gas field. Current operations delivering stable gas supply of 300 MMSCFD,
- Significant exploration acreage both onshore and offshore, in the Moattama Basin.

Project Status

Producing

- Yadana (25.5% WI)
- Yetagun (19.31784% WI)
- Zawtika (80% WI)

Appraisal &

Appraisal & Develop

• M3 (80% WI)

Exploration

- PSC G & EP2 (90% WI)
- MOGE-3 (85% WI)
- M11 (52.9% WI)
- MD7 & MD8 (100% WI)

Note: WI – working interest

Southeast Asia: Vietnam and Indonesia

Natuna Sea A











Vietnam 16-1 (28.5% interest)

- Average crude oil sales volume of 31 KBPD in Q1 2015
- Currently in the process to install a production platform in the H5 area to support current production level

Natuna Sea A (11.5% interest)

 Average sales volume of natural gas was 199 MMSCFD, and average sales volume of crude oil was 1.7 KBPD in Q1 2015



Production / Ramp-up Projects

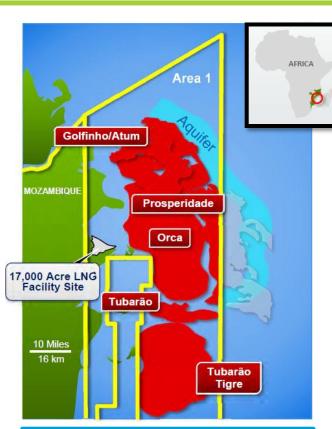
Source: Premier Oil

East Africa: Mozambique









Location and Cost Advantage

- Close proximity to shore
- High quality reservoirs
- Access to Asian markets

Substantial recoverable resources of <u>70+ tcf</u> with scalable offshore development of more than 6 LNG trains

Key Milestones to Final Investment Decision

Technical

- ✓ Certified reserves to support initial trains
- ✓ Announced selection of contractor for onshore LNG facilities construction

Commercial

✓ Secured more than 8 MMTPA of non-binding HOAs

Regulatory

Substantial engagement with government to progress on remaining agreements and approvals to support investment

Financing

✓ Positive indications on project financing

Onwards to initial phase of 12 MMTPA

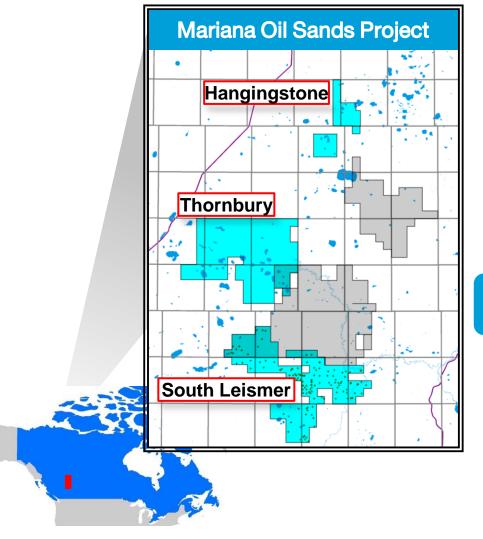
Source: Anadarko

America: Canada Oil Sands

Flexibility to pursue long-term from the oil sands project







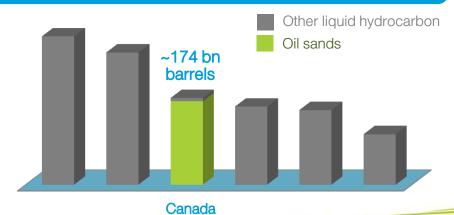
Key activities

 Completed the Winter Delineation Program and continue to assess development potential of the Thornbury field

The Asset Swap

- The Partnership Unit Redemption Agreement (PURA) came into effect on 28 May 2014.
- Following such date, PTTEP Canada Limited now owns and operates 100% of the Thornbury, Hangingstone and South Leismer areas, and has received from Statoil Canada a total of 419 million US dollars

Approximately 96% of the reserves in Canada, the world's 3rd largest oil reserves, is oil sands



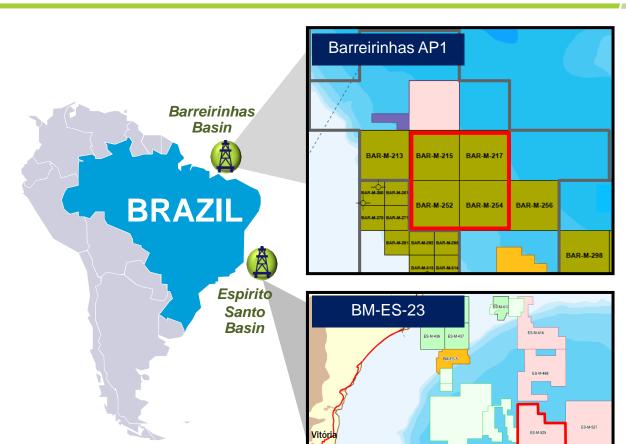
Source: Company data, BP Statistical Review of World Energy 2014

America: Brazil Deepwater

Entry into high potential petroleum province at exploration phase







- Farm-in 25% from BG Group
- Operated by BG Group (75% interest)
- Four offshore exploration blocks: BAR-M-215, BAR-M-217, BAR-M-252 and BAR-M-254
- Currently preparing for seismic acquisition and conducting G&G studies

- Acquired 20% interest from Shell in Q3 2014
- Partnered with Petrobras (65%, operator) and INPEX (15%)
- Currently drilling the first of 2 planned exploration and appraisal wells in 2015

Source: The National Agency of Petroleum, Natural Gas and Biofuels, Brazil (the ANP)

Project Information 1/4

PTTEP



Production Phase: Thailand and JDA

	Project	Status*	PTTEP's	Parti	ners	Q1 2015 Average	Sales Volume **	2015 Key	2015 Key Activities	
			Share	(as of Q1 2015)		Gas	Oil and Other			
<u>Pro</u>	duction Phas	<u>se</u>								
Γha	iland and JD	<u>A</u>								
1	Arthit	OP	80%	Chevron MOECO	16% 4%	208 MMSCFD	Condensate: 9.5 k BPD	 Ensure gas deliverabi Drill Exploration / App wells Install wellhead platfo 	raisal wells/ Development	
2	B6/27	OP	60%	JX NOEX	40%	N/A	N/A	 Evaluate further poter 	tial of reservoir	
3	B8/32 & 9A		25%	Chevron MOECO KrisEnergy PSTL	51.66% 16.71% 4.63% 2%	93 MMSCFD	Crude: 26 k BPD	Drill development wel	S	
4	Bongkot	OP	44.4445 %	TOTAL British Gas	33.3333% 22.2222%	863 MMSCFD	Condensate: 28.2 k BPD	 Install wellhead platfo 	raisal / Development wells rms	
5	Contract 3 (Formerly Unocal III)		5%	Chevron MOECO	71.25% 23.75%	550 MMSCFD	Crude: 21.5 k BPD Condensate: 19.8 k BPD	Drill Exploration / AppInstall wellhead platfo	raisal / Development wells	
6	Contract 4 (Formerly Pailin)		60%	Chevron MOECO	35% 5%	297 MMSCFD	Condensate: 14.5 k BPD	 Ensure gas deliverabi Drill Exploration / App Install wellhead platfo Review development 	raisal / Development wells rms	
7	E5		20%	ExxonMobil	80%	12 MMSCFD	-			
8	G4/43		21.375%	Chevron MOECO PSTL	51% 21.25% 6.375%	4 MMSCFD	Crude: 7.2 k BPD	Drill Exploration / DeInstall wellhead platform		
9	G4/48		5%	Chevron MOECO	71.25% 23.75%	6.6 MMSCFD	-			
10	L53/43 & L54/43	OP	100%			-	Crude: 53 BPD	 Drill Exploration Wells 		
11	PTTEP1	OP	100%			-	Crude: 348 BPD	Drill Appraisal / DevePerform waterflood ac		
12	S1	OP	100%			27 MMSCFD	Crude: 26.7 k BPD	activities	appraisal and developme	
13	Sinphuhorm	OP	55%	Apico ExxonMobil	35% 10%	120 MMSCFD	Condensate: 456 BPD	Drill development wel		
14	MTJDA	JOC	50%	Petronas- Carigali	50%	341 MMSCFD	Condensate: 9.4 k BPD	 Install wellhead platfo 		
15	L22/43	OP	100%			-	Crude: 134 BPD	Drill Exploration / App	raisal / Development wells	

*Status: OP = PTTEP operatorship / JOC = PTTEP joint operatorship

Project Information 2/4

Production Phase: Overseas





	Project	Status*	PTTEP's Share	Partn		Q1 2015 Avera	age Sales Volume **	201	5 Key Activities
				(as of Q1 2015)		Gas Oil and Other			
Pro	oduction Phase								
Ov	erseas								
16	Oman 44	OP	100%			23 MMSCFD	-	Developm	ration / Appraisal / lent wells production rate
17	Vietnam 9-2	JOC	25%	PetroVietnam SOCO	50% 25%	15 MMSCFD	Crude: 3.3 k BPD		opment wells ew reservoirs
18	Yadana		25.5%	TOTAL Chevron MOGE	31.24% 28.26% 15%	797 MMSCFD	-	Drill Explo	ration / Appraisal wells
19	Yetagun		19.3178%	Petronas- Carigali MOGE Nippon Oil PC Myanmar (Hong Kong)	30.00140% 20.4541% 19.3178% 10.90878%	331 MMSCFD	Condensate: 7.5 k BPD	Reservoir Well Inter	Management vention
20	Vietnam 16-1	JOC	28.5%	PetroVietnam SOCO OPECO	41% 28.5% 2%	16 MMSCFD	Crude: 31.3 K BPD		opment wells H5 development project
21	PTTEP Australasia (PTTEP AA)	OP	20%-100% (varied by permits)			-	Crude: 15.6 k BPD		ploration well source potential of exploration
22	Natuna Sea A		11.5%	Premier Oil KUFPEC Petronas Pertamina	28.67% 33.33% 15% 11.5%	199 MMSCFD	Crude: 1.7 k BPD	Developm	ration / Appraisal / ent wells gas exports
23	Zawtika (M9 & a part of M11)	OP	80%	Myanma Oil and Gas Enterprise (MOGE)	20%	309 MMSCFD	-	Drill Explo	oroduction rate ration / Appraisal wells lhead platforms

^{*} Status: OP= PTTEP operatorship / JOC = PTTEP joint operatorship

^{**} Sales volume stated at 100% basis

Project Information 3/4

PTI



Development & Exploration Phase

	Project	Status*	PTTEP's Share	Partners (as of Q1 2015)			2015 Key Activities
	velopment Phas	<u>se</u> :					
<u> 0v</u>	<u>erseas</u>						
24	Algeria 433a & 416b (Bir Seba)	JOC	35%	PetroVietnam Sonatrach	40% 25%		Continue Engineering, Procurement & Construction (EPC) work First oil expected in 2H of 2015

	Project	Status*	PTTEP's Share	Partners (as of Q1 2015)		2015 Key Activities
<u>Ex</u>	ploration Phase					
<u>Th</u>	ailand and JDA					
25	G9/43	OP	100%			Acquire 3D seismic Drill Exploration / Appraisal wells
26	L28/48	OP	70%	Resourceful Petroleum (Thailand)	30%	In process of plug and abandon (P&A) Ratana-1 and Ratana-2 well G&G Studies
<u>Ov</u>	erseas					
27	Myanmar M3	OP	80%	MOECO	20%	Drill 5 appraisal wells Conduct Pre development Study
28	Mozambique Rovuma Offshore Area 1		8.5%	Anadarko, Mitsui, ENH, Bharat Petroleum, BREML, OVL	26.5%,20% 15%,10%, 10%,10%	Prepare for Final Investment Decision (FID)
29	Algeria Hassi Bir Rekaiz	OP	24.5%	CNOOC Sonatrach	24.5% 51%	Drill Appraisal wells

Project Information 4/4





Exploration Phase

	Project	Status*	PTTEP's Share	Partners (as of Q1 2015))		2015 Key Activities
Ex	ploration Phas	se (con't)					
Οv	erseas (con't)	<u> </u>					
30	Indonesia South Mandar	OP	34%	Talisman TOTAL	33% 33%	•	G&G studies
31	Indonesia Malunda	OP	100%			•	G&G studies
32	Myanmar M11	OP	52.9412 %	TOTAL	47.0588%		
33	Vietnam B & 48/95		8.5%	Chevron MOECO PVEP	42.38% 25.62% 23.5%	•	Negotiate a GSA with the Vietnamese government
34	Vietnam 52/97		7%	Chevron PVEP MOECO	43.4% 30% 19.6%	•	Negotiate a GSA with the Vietnamese government
35	Myanmar PSC-G and EP-2	OP	90%	WinPreciousResources	10%	•	Drill 4 exploration wells (2 wells in PSC G & 2 wells in EP 2)
36	Mozambique Rovuma Onshore		10%	Anadarko, Maurel&Prom, ENH, Wentworth Resources	35.7%,27.7% 15%,11.6%	•	Drill an exploration well
37	Kenya L5, L7, L11, L11B, L12		10%	Anadarko, Total	50%,40%	•	Conduct G&G Studies
38	Myanmar MD 7 and MD 8	OP	100%			•	Acquire 3D seismic
39	Mariana Oil Sands	OP	100%			•	Conduct Winter Delineation Program Prepare regulatory application to submit to the government of Alberta for Thornbury Phase 1 development
40	Barreirinhas AP1		25%	BG Brasil	75%	•	Prepare EIA in preparation for 3D seismic survey
41	MOGE 3	OP	85%	Palang Sophon Offshore WinPreciousResources	10% 5%	•	Submit EIA in preparation for 2D&3D seismic survey
42	Brazil BM-ES- 23		20%	Petrobras INPEX	65% 15%	•	Drill 2 exploration wells

^{*} Status: OP= PTTEP operatorship / JOC = PTTEP joint operatorship

Ratios & Formulas





Ratio	Formula
Lifting Cost (\$/BOE)	(Operating Exp. – Transportation Cost – Stock Variation – Other expense not related to lifting) / Production Volume
Cash Cost (\$/BOE)	(Operating Exp. + Exploration Exp. + SG&A + Royalty & SRB + Interest Expense) / Sales Volume
Unit Cost (\$/BOE)	(Operating Exp. + Exploration Expense + SG&A + Royalty + DD&A) / Sales Volume
Reserves Replacement Ratio	5-Yr Additional Proved Reserves / 5-Yr Production Volume
Reserves Life Index (Year)	Proved Reserves / Production Volume
Success Ratio	Number of wells with petroleum discovery / Total number of exploration and appraisal wells
EDITO A	(Sales + Revenue from pipeline transportation) - (Operating expenses + Exploration expenses + Administrative
EBITDA	expenses + Petroleum royalties and remuneration + Management's remuneration)
EBITDA Margin	EBITDA / Sales Revenue
Total late weet Decide a Debt	Short-term loans from financial institution + Current portion of long-term debts + Bonds + Long-term loans from
Total Interest Bearing Debt	financial institution
Total Debt to Equity Ratio	Total interest bearing debt/ Shareholders' equity
Total Debt to EBITDA Ratio	Total interest bearing debt / Trailing-12-month EBITDA
Dividend Payout Ratio	Dividend Payment / Net Profit