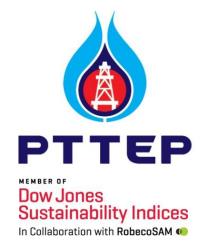
PTT Exploration and Production Public Company Limited

UBS LVMC Conference 2016

2 June 2016











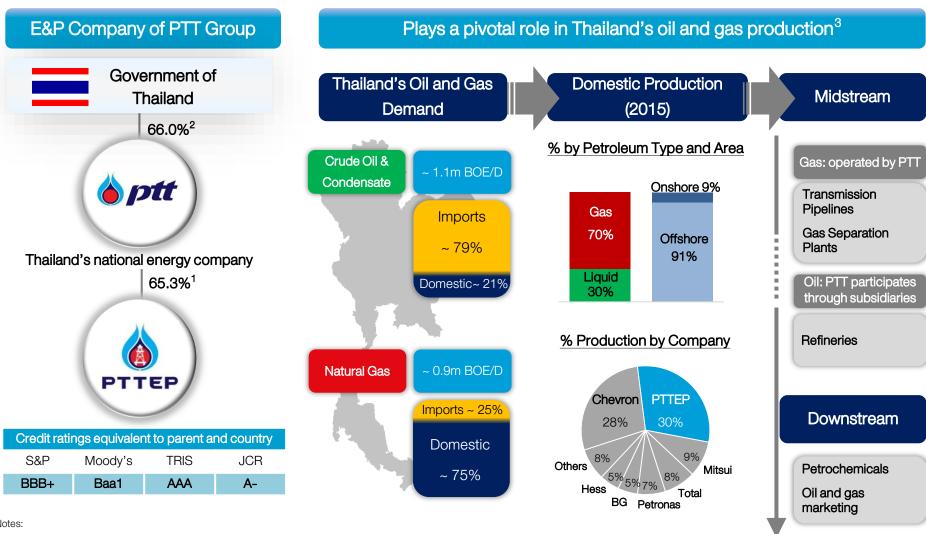
Company & Financial Highlights

Strategy & Outlook



PTTEP: the E&P company of PTT Group

Contributes almost 1/3 of Thailand's petroleum production



Notes:

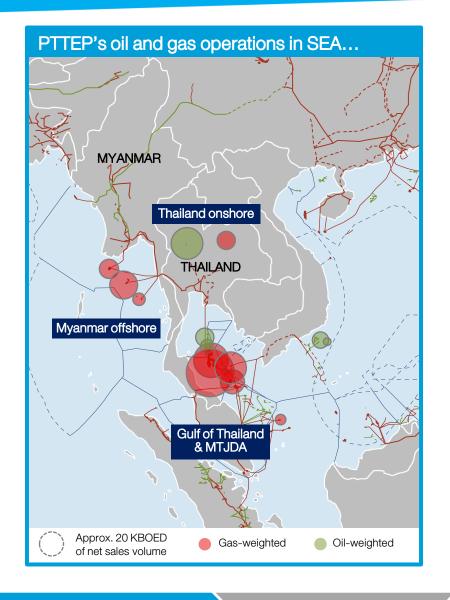
- 1. Ownership as of 12 February 2016
- 2. 51.1% is directly held by the Government of Thailand (Ministry of Finance), with the remaining 14.9% held by the state-controlled Vayupak Fund I
- 3. Source: Energy Policy and Planning Office (EPPO) and Department of Mineral Fuels (DMF)



Core assets in Thailand and Southeast Asia



Investment portfolio with competitive cost profile and reliable operations



...is uniquely positioned

- The largest oil and gas producers in Thailand and Myanmar
- Synergy with PTT's gas value chain through its dominant position in the regional gas market
- Opportunities to expand capability into regional investments

...with competitive operating performances in SEA

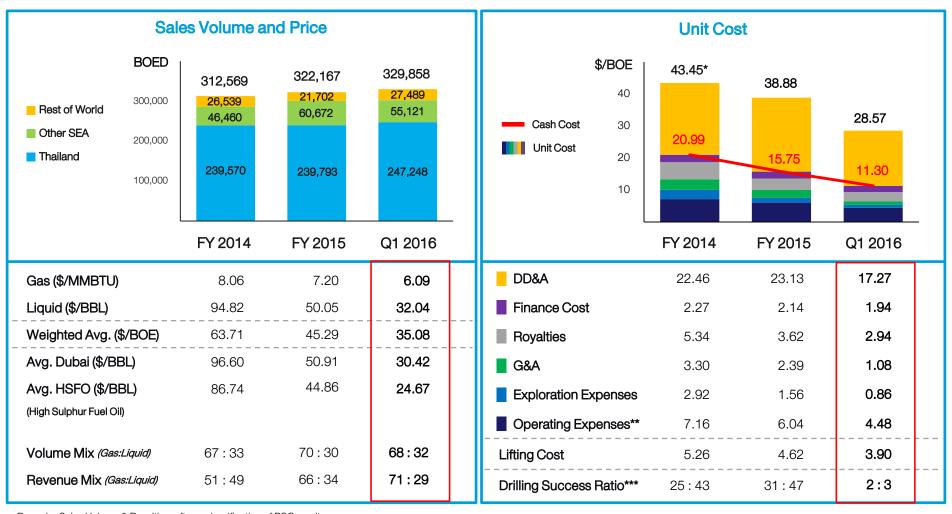
- 93 % of PTTEP's total sales volume
- +99 % Reliability of plants and field facilities*
 - 86 % of PTTEP's sales volume sold to PTT
 - 15 USD/ Average regional cash cost in 2015

 $^{^{\}star}\,$ of PTTEP-operated projects in Gulf of Thailand, exclude planned shutdown time All figures are as of year-end 2015



Sales Volume & Unit Costs

On track to achieve stable sales volume and improved unit cost performance



5

Remark: Sales Volume & Royalties: after reclassification of PSC royalty

^{*} If exclude extra expense from Montara's Development well (H5): For 2014, Operating Exp: 6.73 \$/BOE / Unit cost: 43.02 \$/BOE

^{**} Exclude diluent cost for blending bitumen in KKD Oil Sands project

^{***} Successful wells: Total wells (includes Exploration and Appraisal wells)



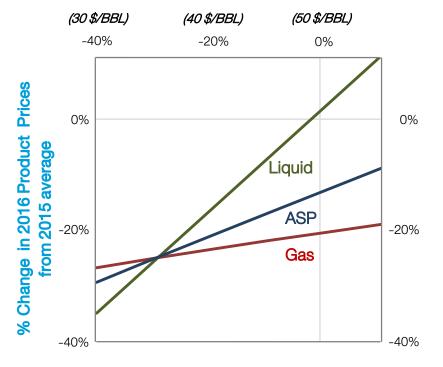
Financial highlights and 2016 liquidity outlook

Robust liquidity maintained through cost management despite continued adjustment in gas price

Product price sensitivity to oil price

- Liquid price largely moves in line with crude price
- Gas price impacted by last year's crude price due to lag time in price adjustment

% Change in 2016 Dubai from 2015 average (average 2015 Dubai at \$50/BBL)



Financial strength in Q1 2016

0.8 billion USD Operating cash flow

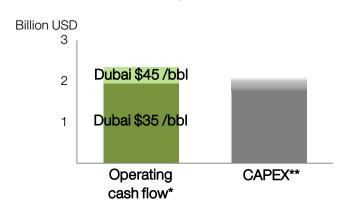
74 % EBITDA margin

3.7 billion USD Cash on hand

0.27 x Total debt/equity ratio

2016 liquidity outlook

 Solid cash flow from operations despite continued drop in gas price



- * assumes various operational assumptions and modelled on varying Dubai prices
- ** ranges from 1.9-2.1 billion USD based on the announced 2016 CAPEX and subsequent reduction target of 10%

6







Company & Financial Highlights

Strategy & Outlook





2016

2016 and beyond

RESET to Survive in the Low Oil Price Environment



- Focus on cost reduction and efficiency improvement
- Preserve cash and liquidity through the downturn

REFOCUS to Capitalize on the Upturn



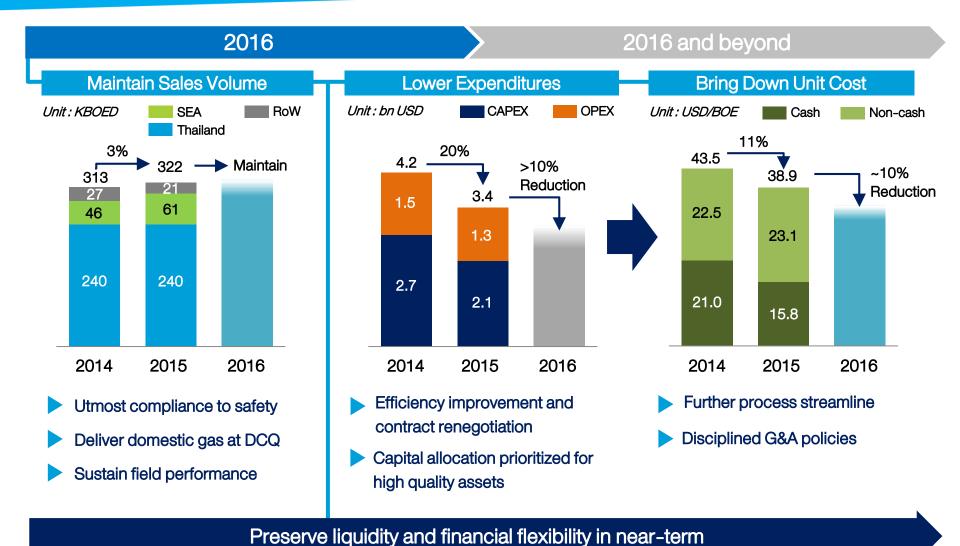
- Assess and prioritize options for new investments and portfolio rationalization
- Continue to improve productivity to maximize incremental value



RESET to Survive in the Low Oil Price Environment



Primary focus on cost reduction and maintain reliable operations



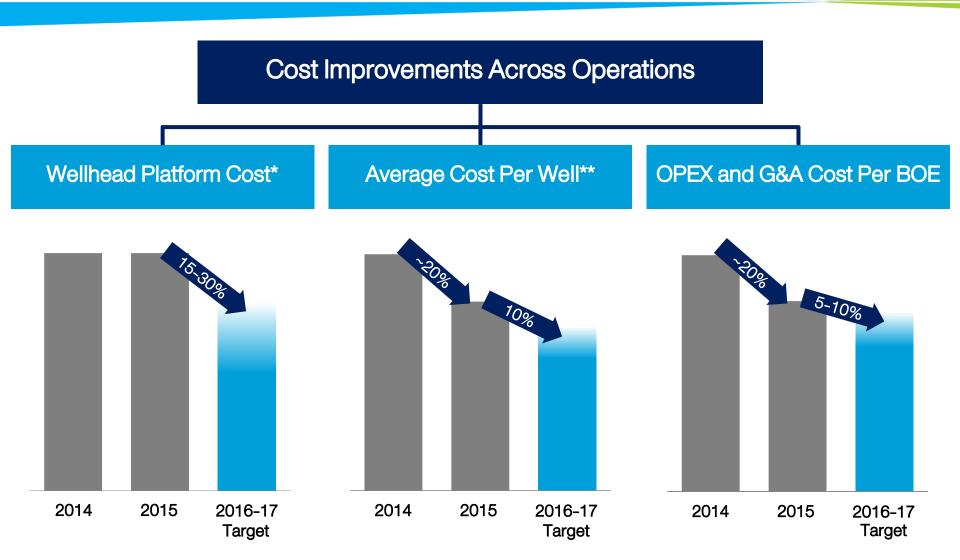
9



Cost Reduction Through Core Operations



Focus on improving process efficiencies and capitalizing on cost deflation



^{*} Primarily applicable to PTTEP-operated projects in the Gulf of Thailand

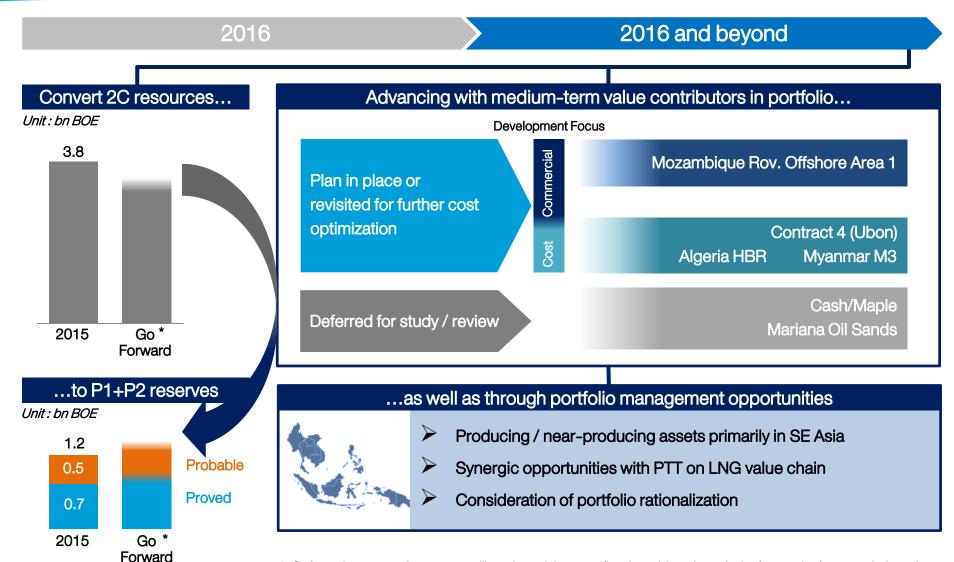
^{**} Primarily applicable to development wells in PTTEP-operated projects in Southeast Asia



REFOCUS to Capitalize on the Upturn



Through pre-development candidates and portfolio rationalization



^{*} Go forward reserves and resources are illustrative and does not reflect the anticipated magnitude of conversion for any particular project



PTTEP's Positioning

Uniquely positioned E&P company

- → +90% of sales volume based in growing SE Asia oil and gas market
- ✓ Stable revenues from PTT for +80% of sales volume
- Strong ties with PTT / Thailand through direct / indirect ownership

Competitive operating performance

- ✓ Low cost operations in SE Asia contributory to ~70% EBITDA margin
- ✓ Demonstrated cost discipline with ~20% reduction in OPEX and G&A

Financially strong and flexible

- ✓ Well-positioned in downturn with ~3.7 bn USD liquidity available and a low-debt capital structure of 0.27x D/E ratio as of Q1 2016
- A dividend-paying company for over 15 years

Ample growth opportunities

- Sufficient funding capacity available to capitalize on market upturn through organic and inorganic investments
- LNG value chain opportunities to support growing Thailand market



Key Takeaways





You can reach the Investor Relations team for more information and inquiry through the following channels:



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Supplementary Information





Q1 2016 Financial Results	15-18
Five-Year Investment Plan	19-21
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Reserves and resources	23
Thailand Energy Updates	24
Key Project Highlights by Region	25-31
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Organization structure	36
Ratios and formula	37



Summary of Q1 2016 Financial Results

Better cost performance leads to healthy core earnings despite the continued fall in oil prices

Unit: MMUSD

Statement of Income	Q4 15	Q1 16	% QoQ	Q1 15*	% YoY
Total Revenues	1,337	1,093	(18)	1,453	(25)
Sales	1,213	1,053	(13)	1,392	(24)
Others	124	40	(68)	61	(34)
Sales Volume (BOED)	336,363	329,858	(2)	315,851	4
Sales Price (USD/BOE)	39.18	35.08	(10)	48.95	(28)
Total Expenses	1,205	936	(22)	1,189	(21)
Major Expenses:					
Operating Expenses	178	135	(24)	167	(19)
Exploration Expenses	53	26	(51)	13	100
DD&A	612	518	(15)	728	(29)
Income Tax Expense	119	30	(75)	18	67
(Gain)/Loss on FX	(4)	(6)	(50)	34	>(100)
Net Income	132	157	19	264	(41)
Recurring Net Income	13	116	>100	248	(53)
Non-Recurring**	119	41	(66)	16	>100

^{*} Restated

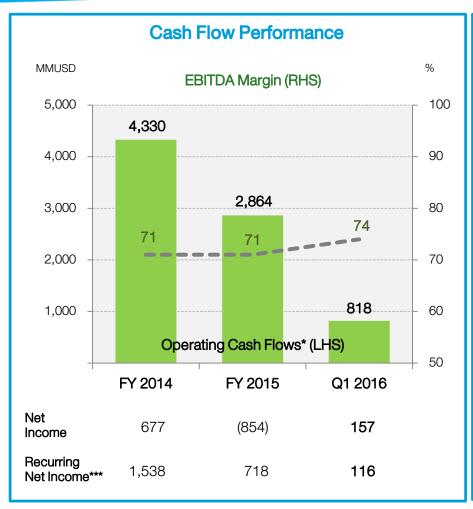
^{**} Includes Gain/(Loss) on FX, Deferred tax from Functional currency, Current Tax from FX Revaluation, Gain/(Loss) from Financial Instruments, and etc.

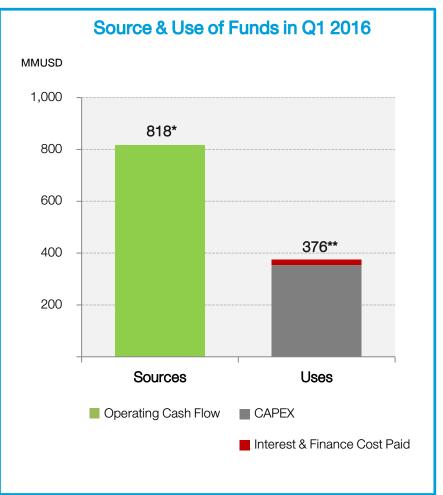


Cash flow performance

Healthy liquidity to fund CAPEX and debt service







Remark: Sales Volume and sales revenue: after reclassification of PSC royalty

- * Net of adjustment for the effect of exchange rate changes on cash and cash equivalents
- ** Excludes cash flows for investing in short-term investments (Fixed deposit > 3 months)
- *** Excludes Gain/(Loss) on FX, Deferred tax from Functional currency, Current Tax from FX Revaluation, Gain/(Loss) from Financial Instruments, Impairment Loss on Assets, and etc.

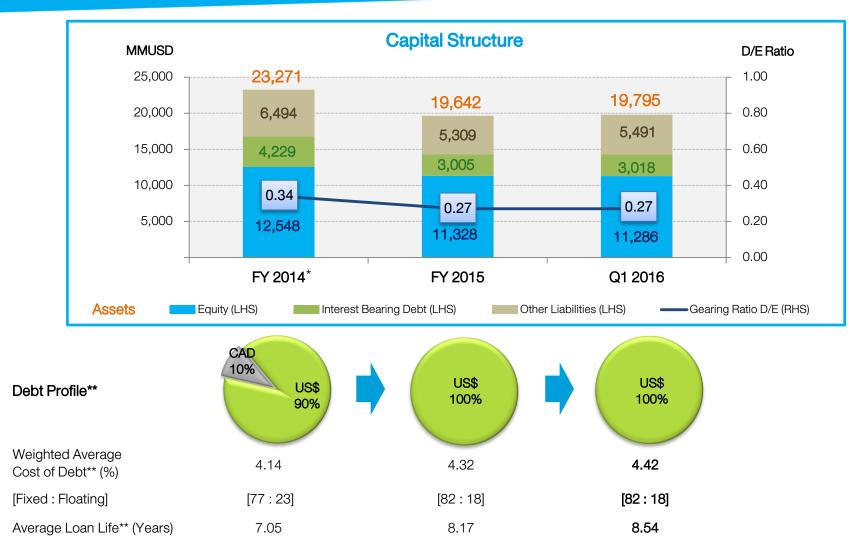
16



Financial position



Strong balance sheet with low gearing ratio and \$3.7bn cash on hand



Remark: * Restated

** Excludes Hybrid bonds

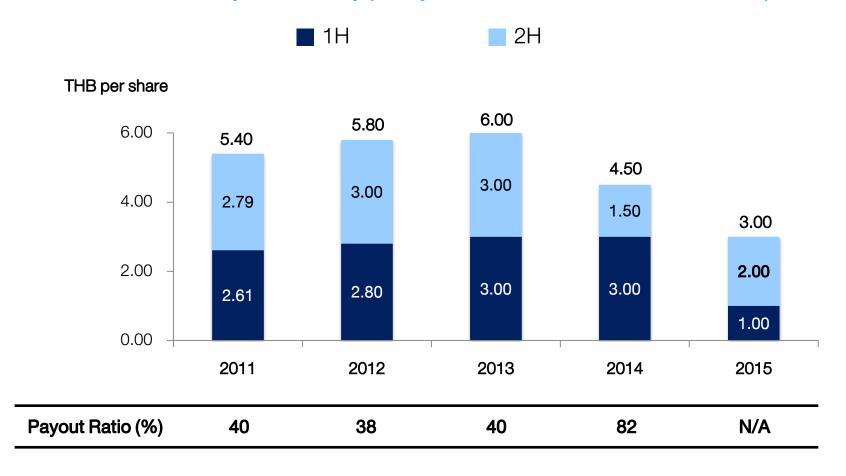
17

Dividends





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

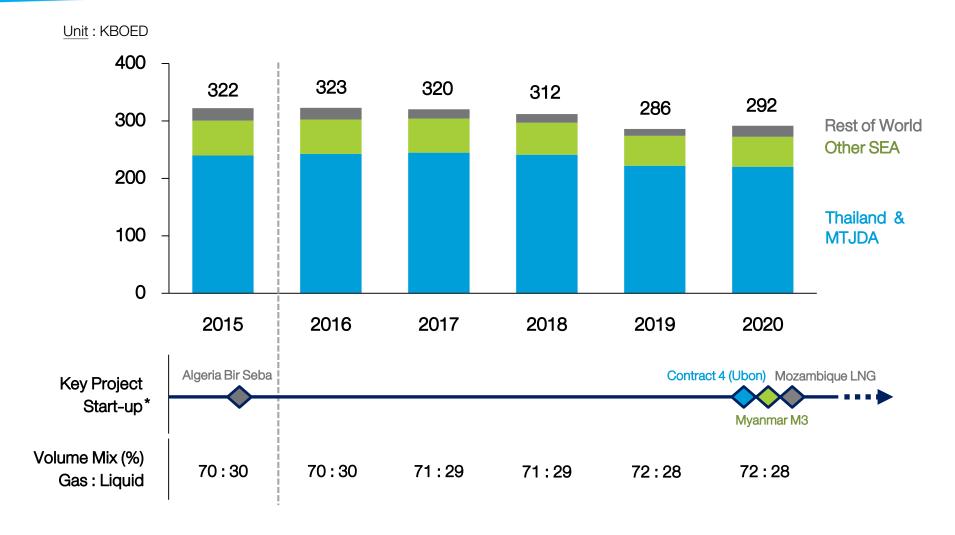




Sales Volume Guidance







 $\underline{\text{Note}} \colon$ Sales volume after reclassification of PSC royalty

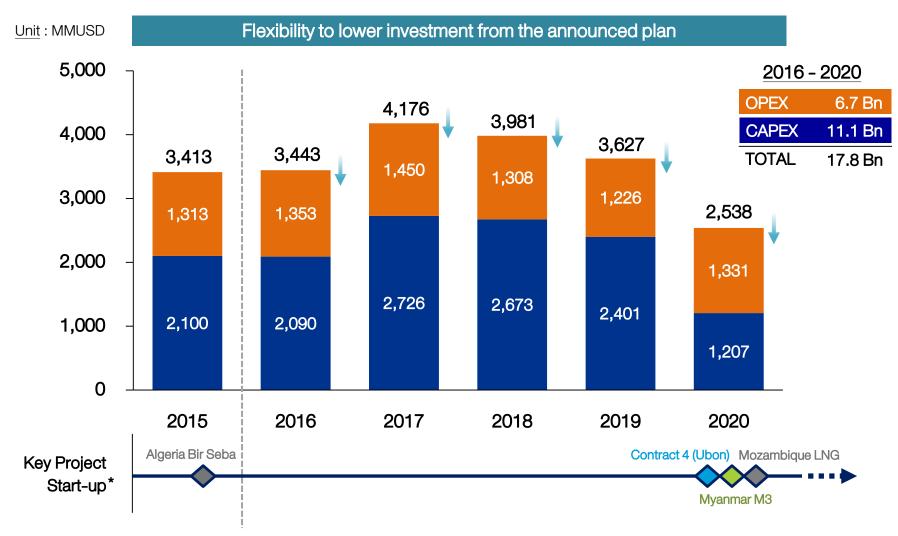
Subject to FID timing



Investment Plan (CAPEX and OPEX)



Leaner CAPEX and OPEX program achieved through SAVE to be SAFE initiative



Note: * Subject to FID timing

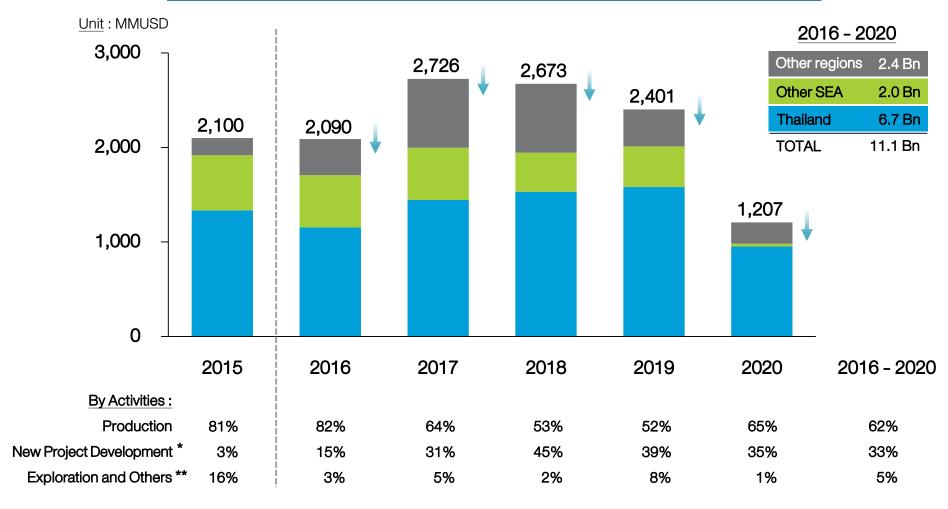


CAPEX Breakdown









Note: * Subject to FID

^{**} Includes exploration and appraisal in all projects and HO CAPEX



Sustainable Development

Pursue long-term growth with social and environmental wellness



MEMBER OF

Dow Jones Sustainability Indices

In Collaboration with RobecoSAM (

2015 DJSI Listed Company

Dow Jones Sustainability World Index
Oil & Gas Sector



PTTEP



Advance Level Certification

United Nations Global Compact



Proven business integrity

NACC Integrity Awards

The National Anti-Corruption Commission

CG Awards

The ASEAN Capital Market Forum (ACMF)

CG Asia Recognition Awards

Corporate Governance Asia Magazine

Exemplary social contributor

The Preservation and Development of Chan Palace project in the area of S1 project operation

The Learning Center (Phase 1) project at the Songkla province

The reforestation for ecological study at the Sri Nakhon Khuean Khan Park

Green driver to environment

Best Environmental Responsibility

Corporate Governance Asia

CDP's Climate A List

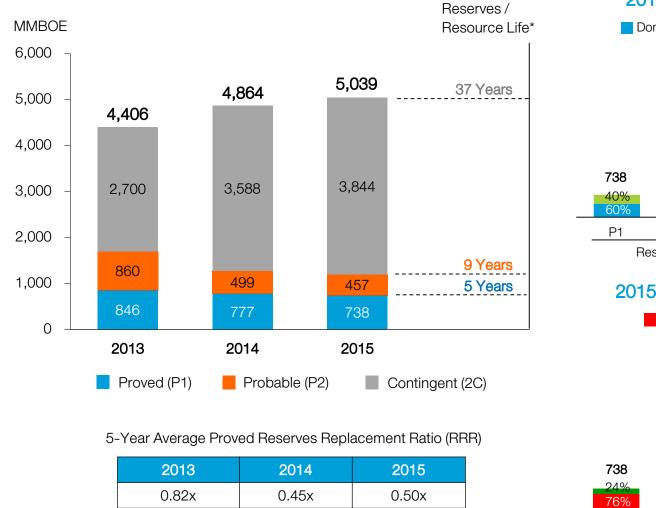
CDP

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

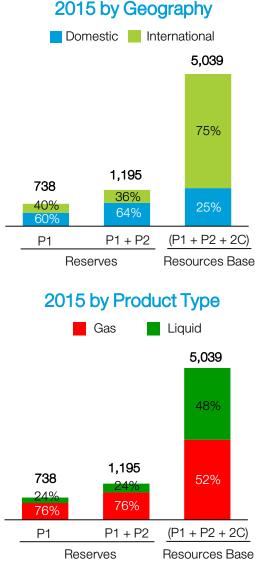


Reserves and Resources

Growing resources base to support future reserves addition



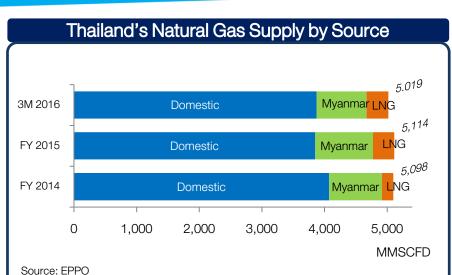
^{*} Based on total production of natural gas, condensate, and crude oil (including LPG) of 374 KBOED for the year ended December 31, 2015

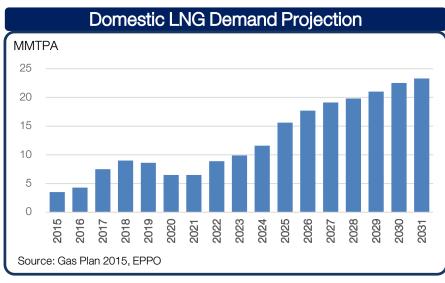


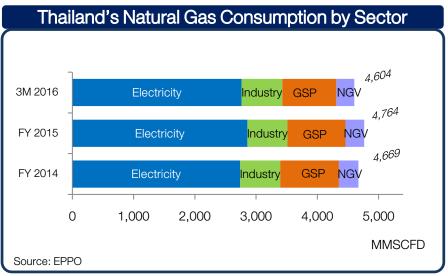


Thailand Updates

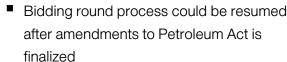
Stable gas demand and projected growth in LNG demand







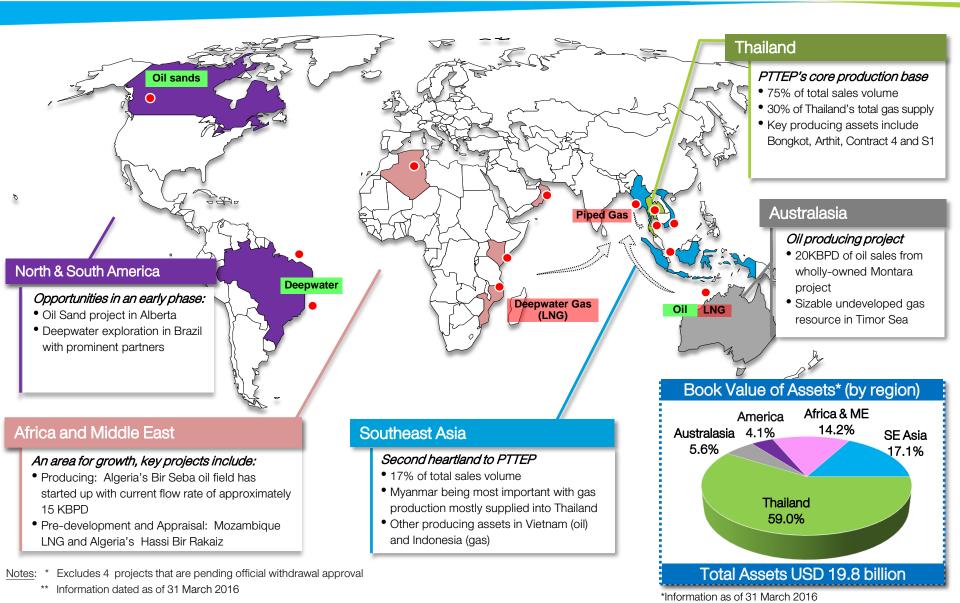
Upstream Energy Reform According to National Energy Policy Office meeting in May 2015, contractual management plan for expiring concessions to be concluded within one year 21st Bidding Round





Diversified International Portfolio

Worldwide operations: 38 projects* in 11 countries



Supplement

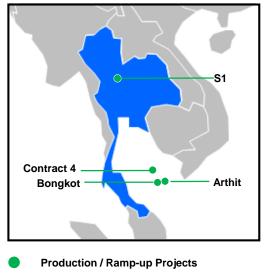
Highlights Strategies 25 Key Takeaways



Thailand







Bongkot (44.4% interest)

- Bongkot's natural gas sales volume of 901 MMSCFD (Q1 2016) represents approximately 18% of Thailand's natural gas supply
- Average condensate sales volume was 31 KBPD in Q1 2016

S1 (100% interest)

- S1 is the largest onshore crude oil production field in Thailand
- Average crude oil sales volume was 28 KBPD in Q1 2016

Arthit (80% interest)

 Average sales volume in Q1 2016 was 234 MMSCFD of natural gas and 9.2 KBPD of condensates

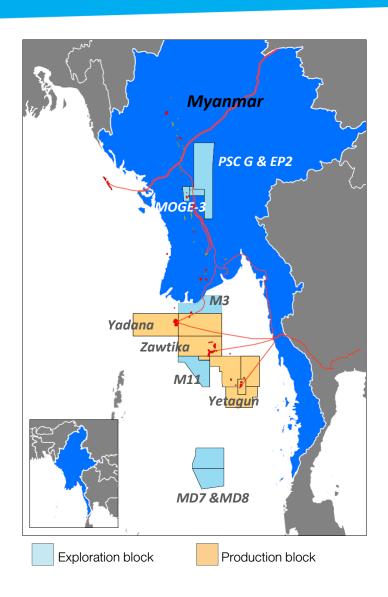
Acquisition of Hess Assets in Thailand

- 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 333 MMSCFD for natural gas and 15 KBPD for condensate in Q1 2016



Southeast Asia: Myanmar

Significant contribution to growth



- Participating in three producing gas fields which supply gas to both Thailand and Myanmar: Yadana, Yetagun, Zawtika
- Operate Zawtika project, brought online in August 2014. Deliver gas supply of 276 MMSCFD in Q1 2016.
- Significant exploration acreage both onshore and offshore in the Moattama Basin

Project Status **Exploration Producing Appraisal** Yadana • PSC G & EP2 • M3 (25.5% WI) (70% WI) (80% WI) Yetagun MOGE-3 (19.3% WI) (75% WI) Zawtika • M11 (80% WI) (100% WI)* MD7 & MD8 (100% WI)

Note: WI - working interest

^{*} New participating interest subject to government approval



Southeast Asia: Vietnam and Indonesia

Reinforcing regional exposure through strategic partnerships



Vietnam 16-1





Natuna Sea A



Production / Ramp-up Projects

Vietnam 16-1 (28.5% interest)

- Average crude oil sales volume of 27 KBPD in Q1 2016
- Commissioned production platform in the H5 area to support current production level

Natuna Sea A (11.5% interest)

 Average sales volume of natural gas was 218 MMSCFD, and average sales volume of crude oil was 2.2 KBPD in Q1 2016

Source : Premier Oil



East Africa: Mozambique

Potential to become one of the world's largest emerging LNG supply hubs



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 nonblinding HOAs

Regulatory

- ✓ Decree law ratified
- ✓ 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

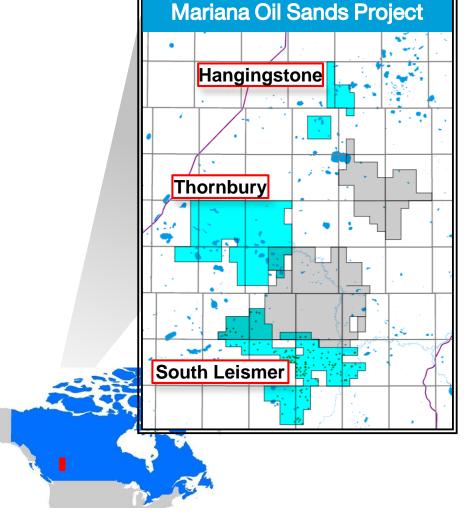
Source: Anadarko



America: Canada Oil Sands

Flexibility to pursue long-term investment from the oil sands project



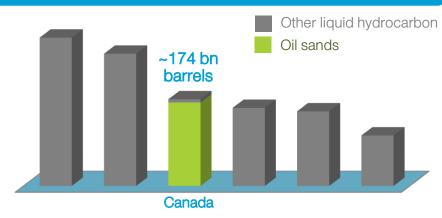


Source: Company data, BP Statistical Review of World Energy 2014

Project Overview

- Operates 100% interest of the Thornbury, Hangingstone and South Leismer (THSL) areas (exploration and appraisal phase)
- Potential large resource base with over a billion barrel
- Current focus on assessing cost reduction opportunity in light of low oil price environment.

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





America: Brazil Deepwater

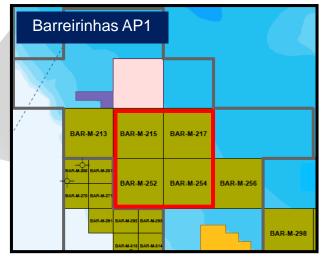
Barreirinhas

Basin

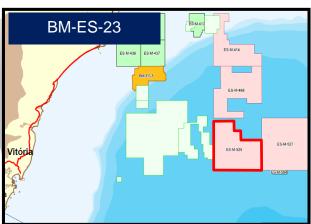
BRAZIL

Entry into high potential petroleum province at exploration phase





- Farm-in 25% from BG Group in 2014
- Operated by BG Group (75% interest)
- Four offshore exploration blocks: BAR-M-215, BAR-M-217, BAR-M-252 and BAR-M-254
- Currently in the process of conducting 3D seismic survey



- Acquired 20% interest from Shell in Q3 2014
- Partnered with Petrobras (65%, operator) and INPEX (15%)

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

Espirito

Santo Basin



Project Information 1/4

Production phase: Thailand and JDA



	Project	Status*	PTTEP's Share	Partners (as of Q1 2016)		Q1 2016 Ave	rage Sales Volume **	2016 Key Activities
						Gas Oil and Other		
Pro	oduction Phase							
	ailand and JDA							
1	Arthit	OP	80%	Chevron MOECO	16% 4%	234 MMSCFD	Condensate: 9.2 k BPD	Ensure gas deliverability level at DCQ**** Drill development wells Install wellhead platforms
2	B6/27	OP	60%***			N/A	N/A	Subsurface study
3	B8/32 & 9A		25%	Chevron MOECO KrisEnergy PSTL	51.66% 16.71% 4.63% 2%	129 MMSCFD	Crude: 30 k BPD	Drill development wells Perform waterflood activities
4	Bongkot	OP	44.4445%	TOTAL British Gas	33.3333% 22.2222%	901 MMSCFD	Condensate: 31 k BPD	Ensure gas deliverability level at DCQ**** Drill Exploration / Appraisal / Development wells Install wellhead platforms
5	Contract 3 (Formerly Unocal III)		5%	Chevron MOECO	71.25% 23.75%	558 MMSCFD	Crude: 25 k BPD Condensate: 20 k BPD	 Drill exploration / appraisal / development wells Install wellhead platforms Perform waterflood activities
6	Contract 4 (Formerly Pailin)		60%	Chevron MOECO	35% 5%	333 MMSCFD	Condensate: 15 k BPD	Ensure gas deliverability level at DCQ**** Drill exploration / appraisal / development wells Install wellhead platforms Review development plan of Ubon field
7	E5		20%	ExxonMobil	80%	12 MMSCFD	-	
8	G4/43		21.375%	Chevron MOECO PSTL	51% 21.25% 6.375%	1.2 MMSCFD	Crude: 7.2 k BPD	Drill development wells Perform waterflood activities
9	G4/48		5%	Chevron MOECO	71.25% 23.75%	5.2 MMSCFD	Crude: 479 BPD	
10	L53/43 & L54/43	OP	100%			=	Crude: 137 BPD	Drill exploration and development wells
11	PTTEP1	OP	100%			-	Crude: 397 BPD	Drill development wellsPerform waterflood activities
12	S1	OP	100%			23 MMSCFD	Crude: 28 k BPD	Drill exploration / appraisal / development wells Enhance oil recovery program includes waterflooding and artificial lift
13	Sinphuhorm	OP	55%	Apico ExxonMobil	35% 10%	124 MMSCFD	Condensate: 482 BPD	Drill development wells
14	MTJDA	JOC	50%	Petronas-Carigali	50%	314 MMSCFD	Condensate: 6.3 k BPD	Drill development wells Install wellhead platforms
15	L22/43	OP	100%			-	Crude: 82 BPD	Drill exploration / development wells

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

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

Pending the approval of the partner divestment from DMF

^{****} DCQ = Daily Contractual Quantity



Project Information 2/4

Production phase: overseas



	Project	Project Status* PTTEP's Partners		Q1 2016 Aver	age Sales Volume **	2016 Key Activities		
			Share	(as of Q12	2016)	Gas	Oil and Other	
Pro	duction Phase							
Ov	<u>erseas</u>							
16	Oman 44	OP	100%			23 MMSCFD	Condensate: 1.3 k BPD	Maintain production operation
17	Vietnam 9-2	JOC	25%	PetroVietnam SOCO	50% 25%	12 MMSCFD	Crude: 2.7 k BPD	Maintain production operation Perform reservoir management
18	Yadana		25.5%	TOTAL Chevron MOGE	31.24% 28.26% 15%	707 MMSCFD	-	Drill exploration / development wells Acquire 2D seismic reprocessing Perform reservoir management
19	Yetagun		19.3178%	Petronas-Carigali MOGE Nippon Oil PC Myanmar (Hong Kong)	30.00140% 20.4541% 19.3178% 10.90878%	233 MMSCFD	Condensate: 4 k BPD	Drill development wells Perform reservoir Management
20	Vietnam 16-1	JOC	28.5%	PetroVietnam SOCO OPECO	41% 28.5% 2%	15 MMSCFD	Crude: 27 k BPD	Drill development wells Perform reservoir management Review feasibility for water handling facility upgrade
21	PTTEP Australasia (PTTEP AA)	OP	50%-100% (varied by permits)			-	Crude: 20 k BPD	Maintain production operation Assess resource potential of exploration permits
22	Natuna Sea A		11.5%	Premier Oil KUFPEC Petronas Pertamina	28.67% 33.33% 15% 11.5%	218 MMSCFD	Crude: 2.2 k BPD	Maintain production operation
23	Zawtika (M9 & a part of M11)	OP	80%	Myanma Oil and Gas Enterprise (MOGE)	20%	276 MMSCFD	-	Maintain production rate Drill development wells Install wellhead platforms
24	Algeria 433a & 416b (Bir Seba)	JOC	35%	PetroVietnam Sonatrach	40% 25%	-	Crude: 2 k BPD (net entitlement)	Maintain production operation Review field development plan for possible capacity expansion

Status: OP = PTTEP operatorship / JOC = PTTEP joint operatorship Sales volume stated at 100% basis except for Algeria 433a & 416b



Project Information 3/4

Exploration phase



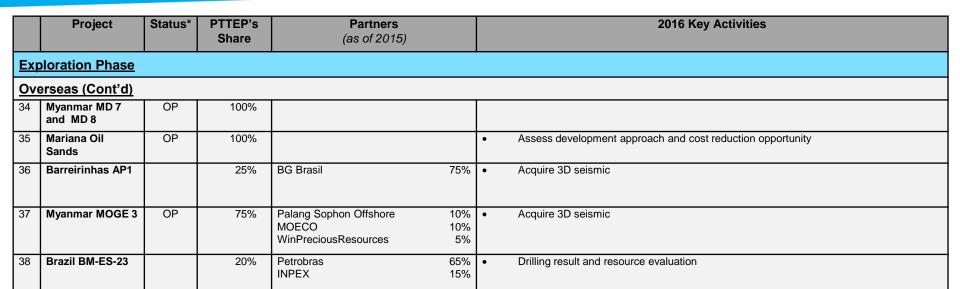
	Project	Status*	PTTEP's Share	Partners (24.2042)			2016 Key Activities		
			Silaie	(as of Q1 20	116)				
Exp	xploration Phase								
Tha	iland and JDA								
25	G9/43	OP	100%						
Ove	Overseas								
	Myanmar M3	OP	80%	MOECO	20%	•	Access development options and commercial potential		
27	Mozambique Rovuma Offshore Area 1		8.5%	Anadarko, Mitsui, ENH, Bharat Petroleum, BREML, OVL	26.5%,20% 15%,10%, 10%,10%	•	Preparatory work for Final Investment Decision (FID) including LNG marketing and finalization of remaining commercial contracts		
28	Algeria Hassi Bir Rekaiz	OP	24.5%	CNOOC Sonatrach	24.5% 51%	•	Drill Appraisal wells		
29	Myanmar M11	OP	100%**						
30	Vietnam B & 48/95		8.5%	PVN MOECO	65.88% 25.62%	•	Negotiate a GSA with the Vietnamese government		
31	Vietnam 52/97		7%	PVN MOECO	73.4% 19.6%	•	Negotiate a GSA with the Vietnamese government		
32	Myanmar PSC G and EP 2	OP	70%	WinPreciousResources MOECO Palang Sophon Offshore	10% 10% 10%	•	Conduct G&G studies		
33	Kenya L11A, L11B, L12		10%	Anadarko Total ENI	50% 30% 10%	•	Conduct G&G studies		

Status: OP = PTTEP operatorship / JOC = PTTEP joint operatorship New participating interest subject to government approval



Project Information 4/4

Exploration phase



35

Remarks: 38 projects exclude 5 projects that are pending official withdrawal approval

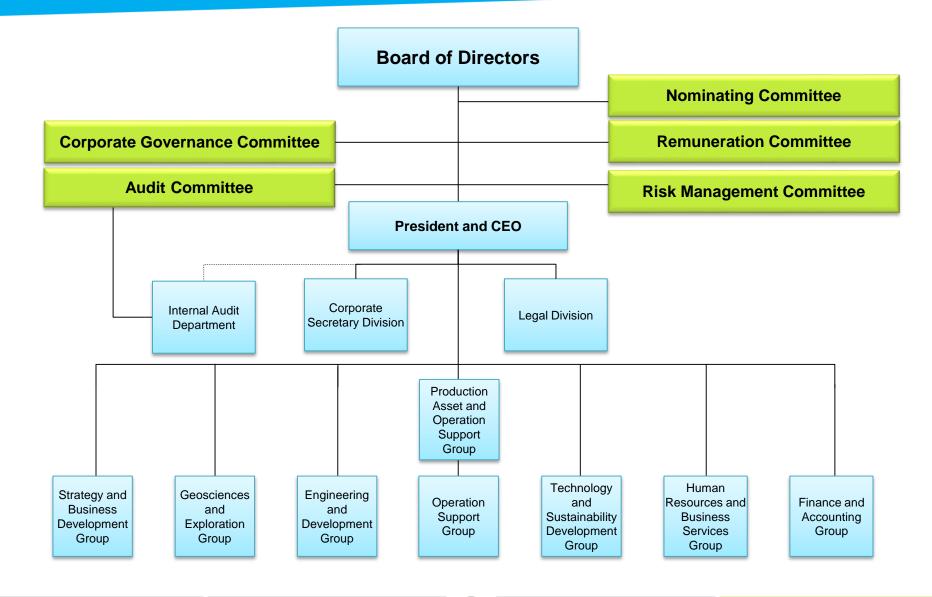
^{*} Status: OP = PTTEP operatorship / JOC = PTTEP joint operatorship



Organization Structure









Ratio & Formula



Ratio	Formula
Lifting Cost (\$/BOE)	(Operating Exp.) / Production Volume
Cash Cost (\$/BOE)	(Operating Exp. + Exploration Exp. + G&A + Royalties + Finance Cost) / Sales Volume
Unit Cost (\$/BOE)	(Operating Exp. + Exploration Exp. + G&A + Royalties + Finance Cost + 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
Sales Revenue	Sales + Revenue from pipeline transportation
EBITDA	(Sales + Revenue from pipeline transportation) - (Operating expenses + Exploration expenses + Administrative expenses + Petroleum royalties and remuneration + Management's remuneration)
EBITDA Margin	EBITDA / Sales Revenue
Return on Equity	Trailing-12-month net income / Average shareholders' equity between the beginning and the end of the 12-month period
Return on Capital Employed	(Trailing-12-month net income + Trailing-12-month Interest Expenses & Amortise Bond Issuing Cost) / (Average shareholders' equity and average total debt between the beginning and the end of the 12-month period)
Simple Effective Tax Rate	Income tax expenses / Income before income taxes
Total debt	Short-term loans from financial institution + Current portion of long-term debts + Bonds + Long-term loans from financial institution
Net debt	Total debt – Liquidity
Debt to Equity	Total debt / Shareholders' equity
Net Debt to Equity	Net debt / Shareholders' equity
Total Debt to Capital	Total debt / (Total debt + Shareholders' equity)
Total Debt to EBITDA	Total debt / Trailing-12-month EBITDA
Net Debt to EBITDA	Net debt / Trailing-12-month EBITDA
EBITDA Interest Coverage Ratio	Trailing-12-month EBITDA / Trailing-12-month Interest Expenses & Amortize Bond Issuing Cost