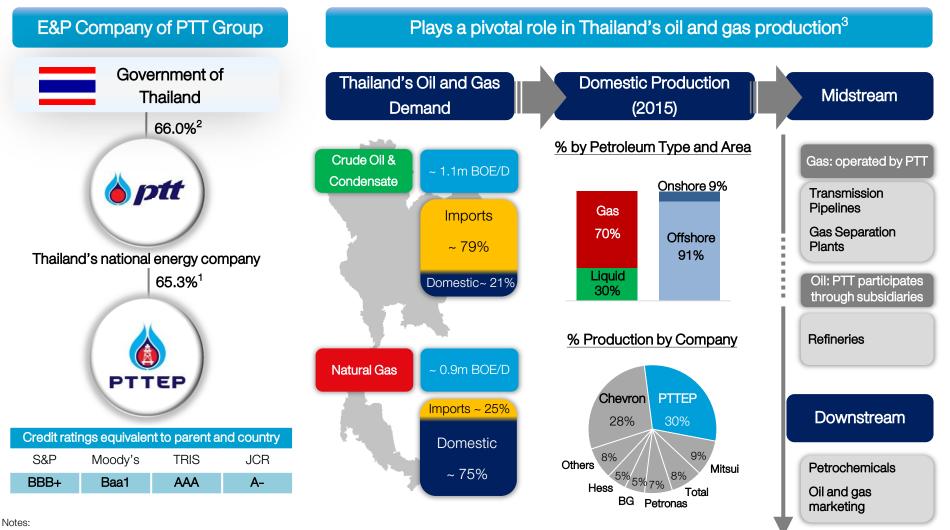


Morgan Stanley Asia Pacific Summit Singapore PTTEP

16-17 October 2016

PTTEP: the E&P company of PTT Group
 Contributes almost 1/3 of Thailand's petroleum production



1. Ownership as of 15 August 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)

Highlights

Strategies

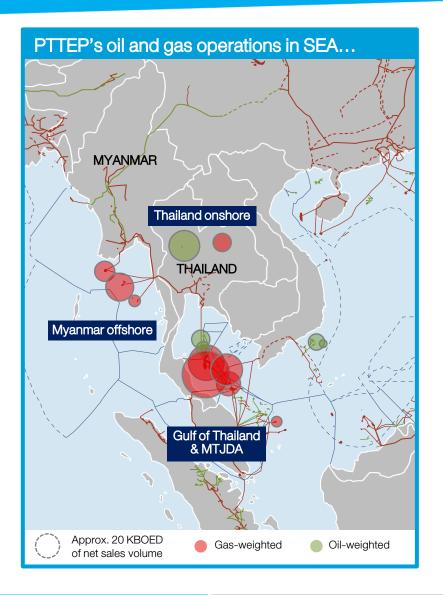
K

2

Supplement







... 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 SEA93%93%99%Reliability of plants and field facilities*81%of PTTEP's sales volume sold to PTT12USD/
BOEAverage regional cash cost

* of PTTEP-operated projects in Gulf of Thailand, exclude planned shutdown time All figures are as of 9M 2016

Highlights

Strategies

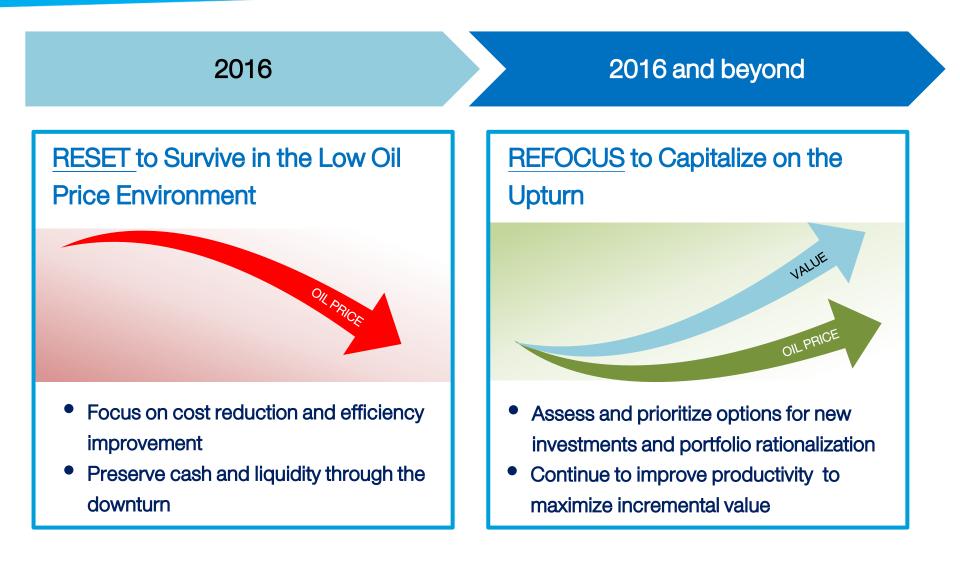
Key Takeaways

3

Supplement



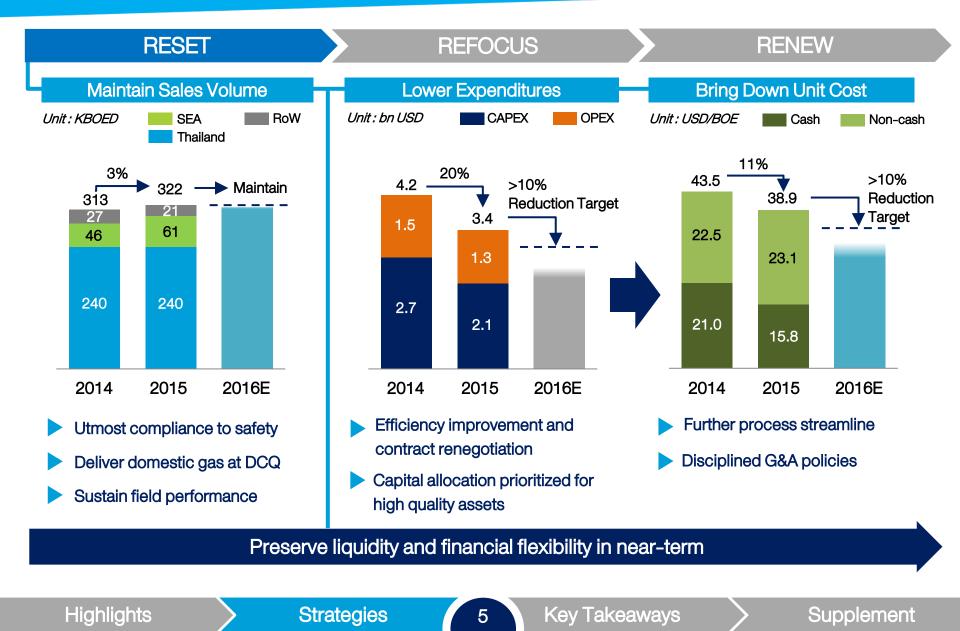




RESET to survive in the low oil price environment

PTTEP Significant progress on cost reductions

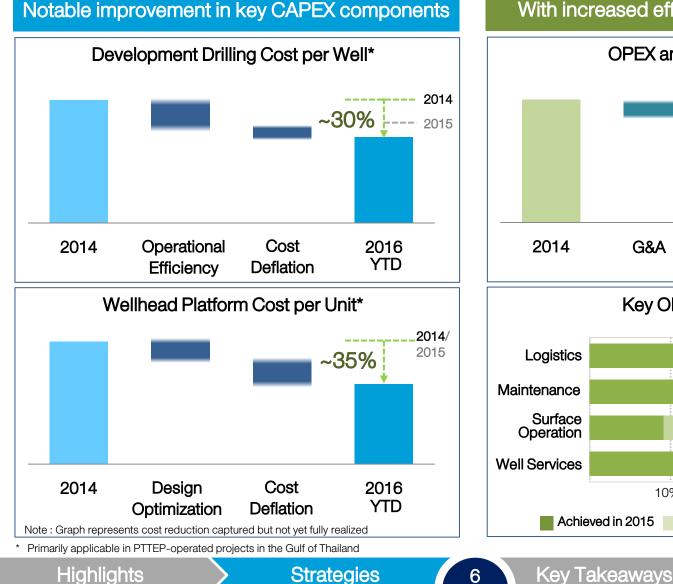




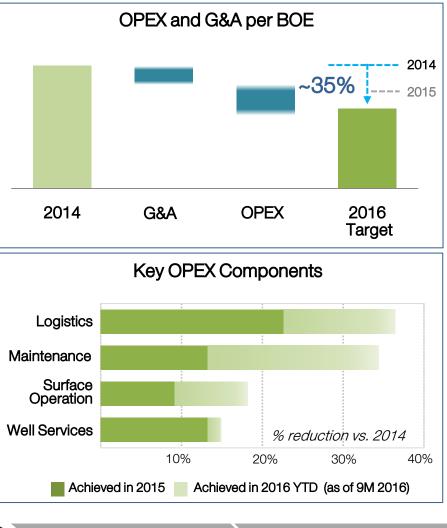
Cost reduction progress Continuous improvement on both CAPEX and OPEX efficiency



Supplement

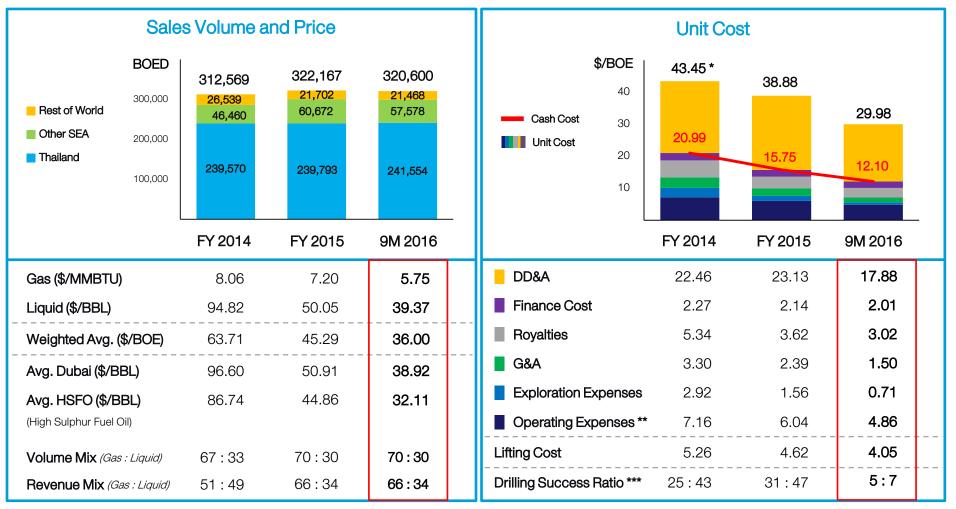


With increased efficiency in OPEX spending



Sales volume & unit costs

PTTEP On track for 2016 sales volume target; while cost improvement exceeds target



Key Takeaways

Supplement

Remark: Sales Volume & Royalties: after reclassification of PSC royalty and includes discontinued operations until August 2016

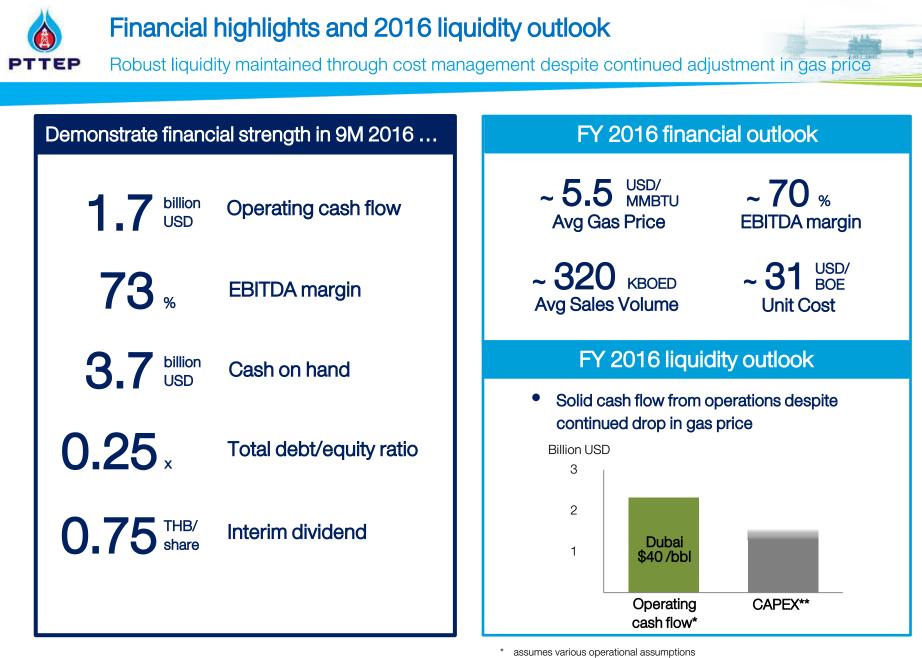
* If exclude extra expense from Montara's Development well (H5): For 2014, Operating Exp: 6.73 \$/BOE / Unit cost: 43.02 \$/BOE

Strategies

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

*** Successful wells : Total wells (includes Exploration and Appraisal wells)

Highlights

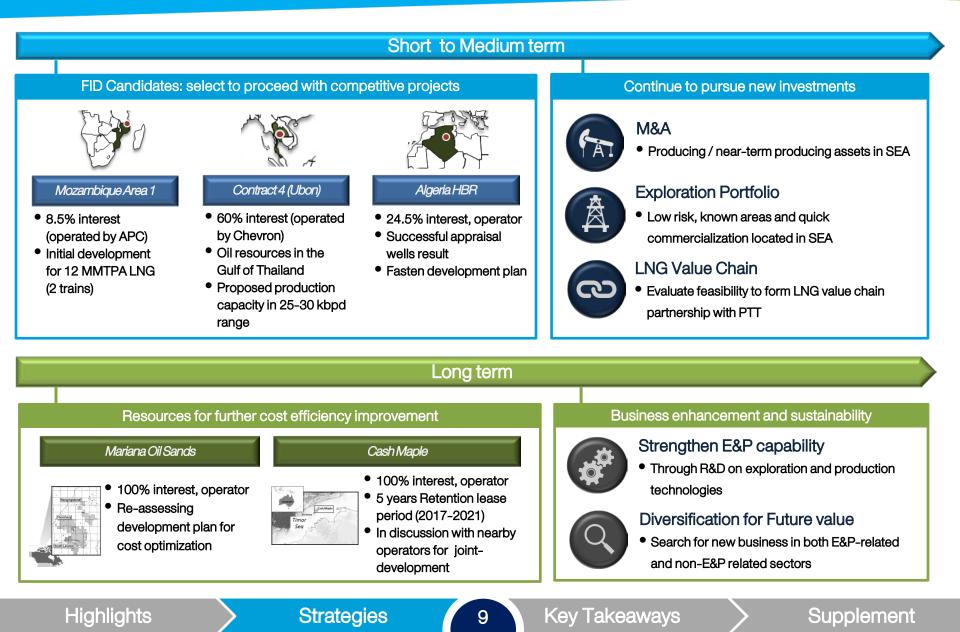


** based on closing forecast of 2016 CAPEX spending

Highlights

REFOCUS for Future Growth PTTEP Potential reserves addition on the way





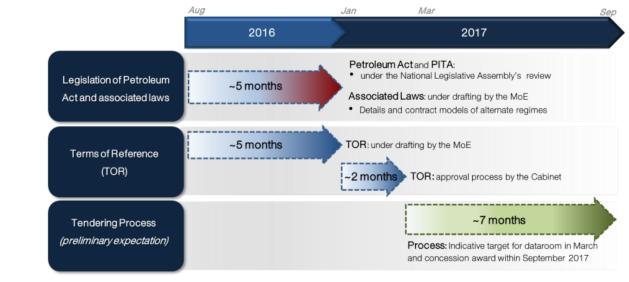
Bongkot concession expiry

PTTEP PTTEP is well-positioned to continue as operator



Supplement

Path to re-tendering of expiring concessions



Source: Interviewed by Director General of DMF, 26 August 2016

PTTEP : Competitively positioned to continue as operator

Strategies



- Experienced and reliable: operated at average 99%* field reliability
- Cost-efficiency: through years of factory drilling and GOT synergies

10

Capable catalysts for continuity of gas supply and optimum resource recovery

Key Takeaways

*Bongkot field performance as of May 2016

Highlights



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 over 30% reduction in OPEX and G&A

Financially strong and flexible

- ✓ Well-positioned in downturn with over 3 bn USD liquidity available and a low-debt capital structure of 0.25x D/E ratio as of Q3 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:



http://www.pttep.com



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TEP Healthy bottom line supported by core earnings and non-recurring gains

Unit : MMUSD

Statement of Income	Q2 16 *	Q3 16	% QoQ	Q3 15 *	% YoY	9M 16	9M 15 *	% YTD
Total Revenues	1,102	1,109	1	1,457	(24)	3,281	4,291	(24)
Sales	1,061	1,047	(1)	1,307	(20)	3,152	4,084	(23)
Others	41	62	51	150	(59)	129	207	(38)
Sales Volume (BOED)	320,657	311,386	(3)	320,795	(3)	320,600	317,383	1
Sales Price (USD/BOE)	36.62	36.32	(1)	44.83	(19)	36.00	47.47	(24)
Total Expenses	1,028	953	(7)	2,710	(65)	2,896	5,245	(45)
Major Expenses:								
Operating Expenses	139	146	5	177	(18)	415	515	(19)
Exploration Expenses	15	20	33	78	(74)	61	129	(53)
DD&A	518	534	3	644	(17)	1,570	2,095	(25)
Impairment loss on assets	-	-	-	1,350	(100)	-	1,350	(100)
Income Tax Expense	55	67	22	220	(70)	152	377	(60)
(Gain)/Loss on FX	(7)	(14)	(100)	20	<(100)	(27)	73	<(100)
Net Income from Continuing Operations	74	156	>100	(1,253)	>100	385	(954)	>100
Profit (Loss) from Discontinued Operations	1	0.3	(70)	(31)	>100	3	(32)	>100
NetIncome	75	156	>100	(1,284)	>100	388	(986)	>100
Recurring Net Income	154	75	(51)	264	(72)	345	705	(51)
Non-Recurring **	(79)	81	>100	(1,548)	>100	43	(1,691)	>100

Note: * Restated / Represented

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

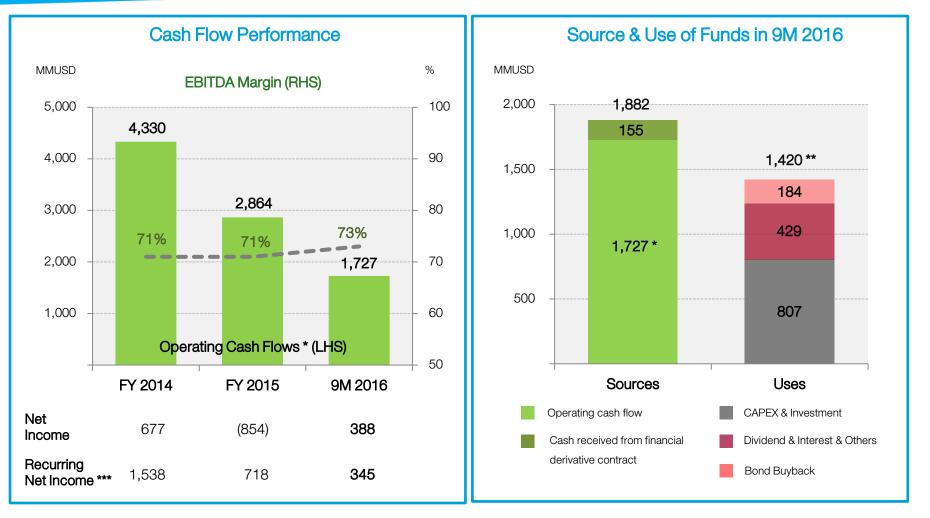
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Highlights

Key Takeaways

Cash flow performance

PTTEP Healthy EBITDA margin with robust liquidity to fund CAPEX and debt service



Remark: * 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.

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Highlights

Strategies

Key Takeaways

Supplement

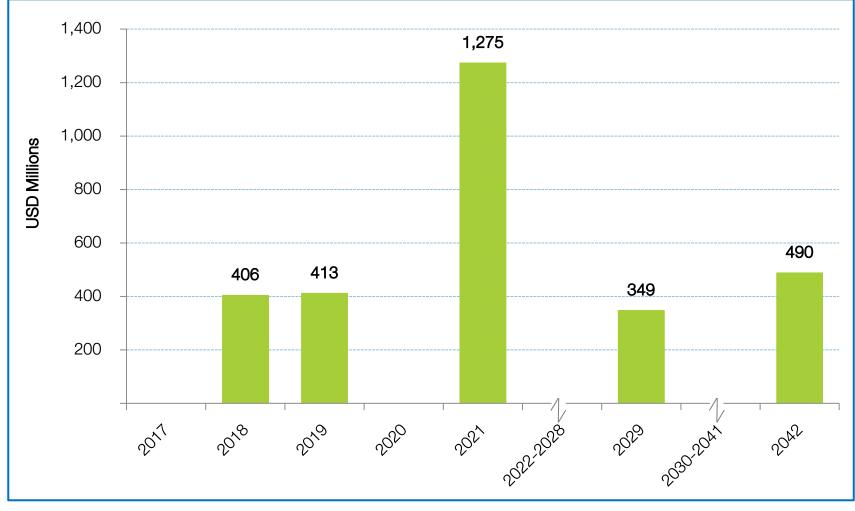


PTTEP Solid balance sheet with \$3.7bn cash on hand for future growth





Debt Maturity Profile Expect no debt maturity until 2018



17

Note: Excludes Hybrid bonds

Unit: USD Millions or equivalent after cross currency swap

Highlights

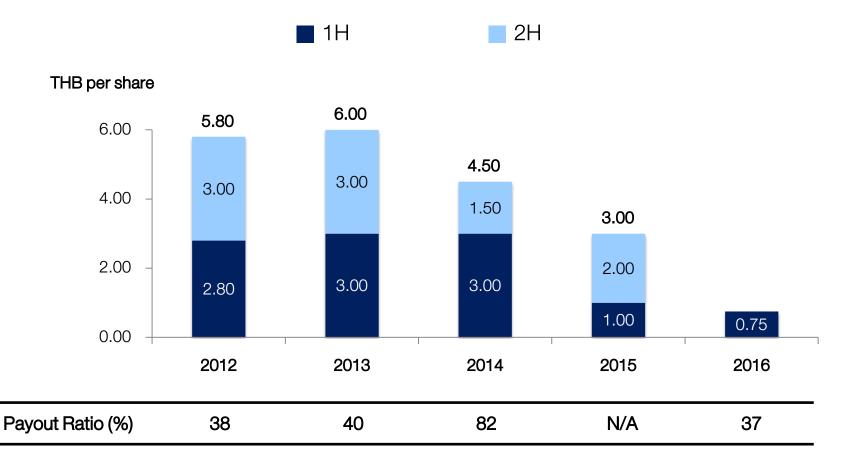
Strategies

Key Takeaways





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

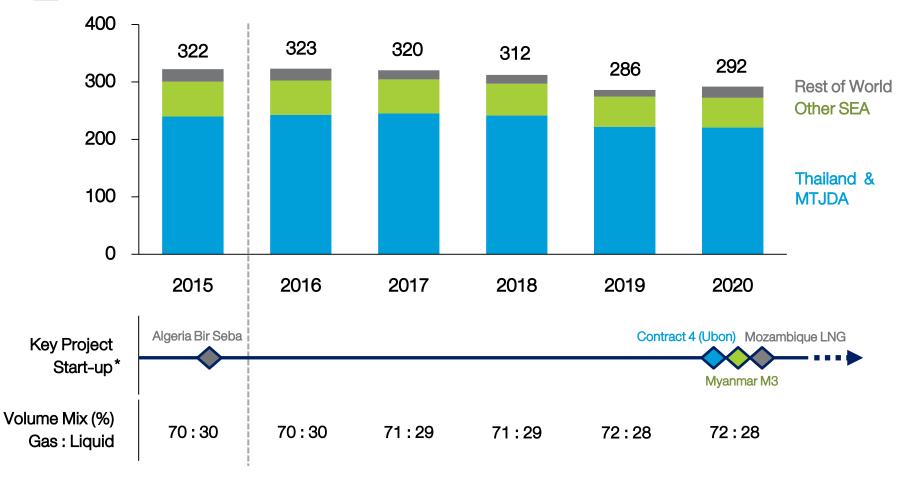


Sales volume guidance PTTEP Stable volume outlook with new project start-up expected in 2020



Supplement

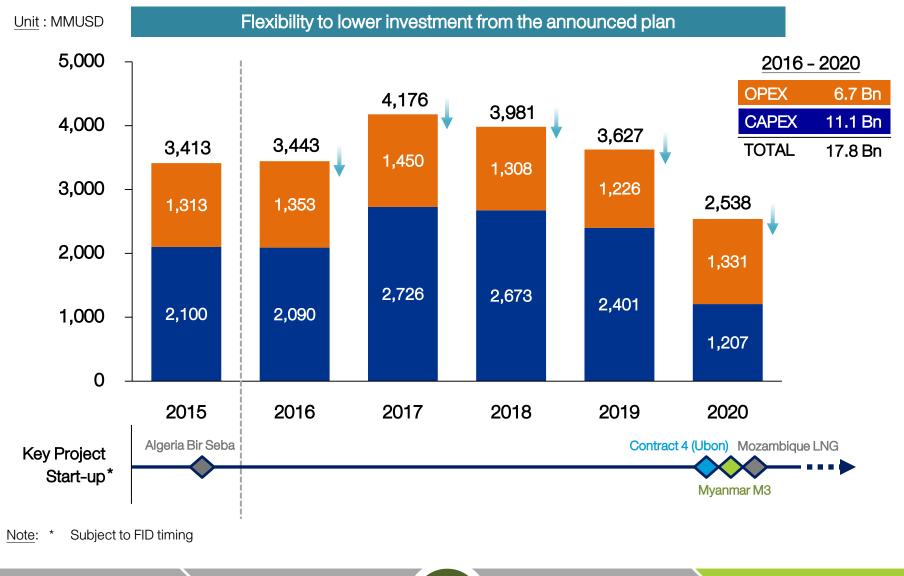
Unit : KBOED



- Note: Sales volume after reclassification of PSC royalty
 - * Subject to FID timing

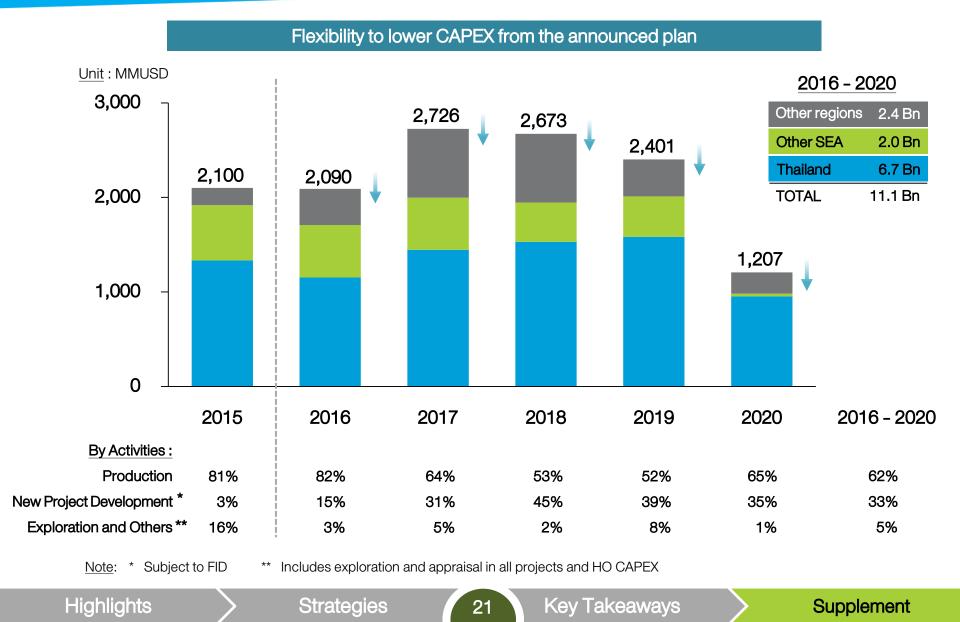
Highlights





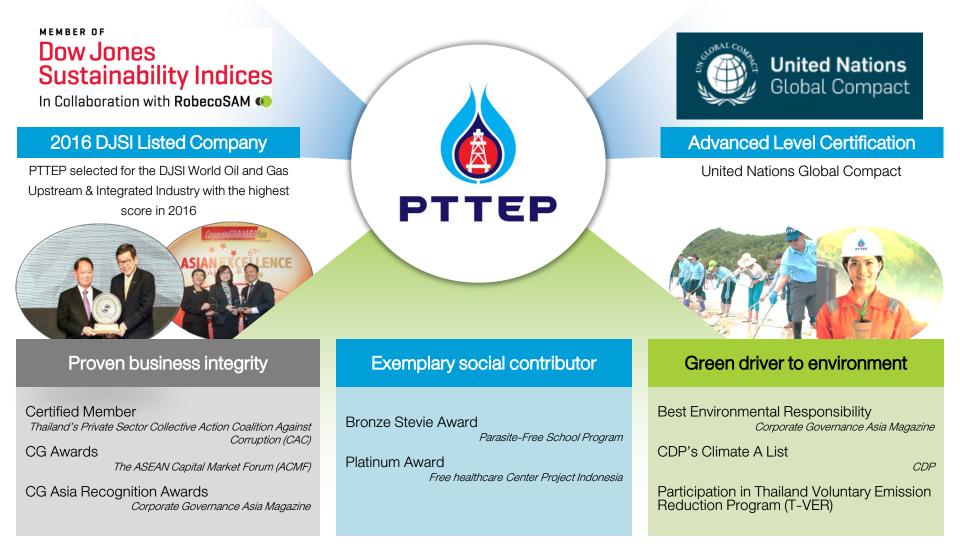
Approx. two-thirds of CAPEX to maintain output from producing projects

CAPEX Breakdown





EP Pursue long-term growth with social and environmental wellness



Highlights

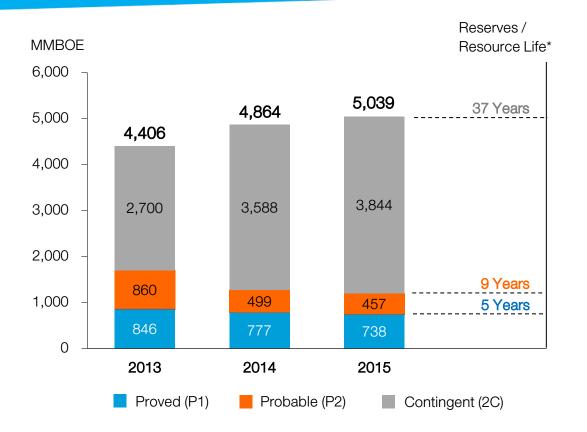
Strategies

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Supplement

Reserves and resources

PTTEP Growing resources base to support future reserves addition

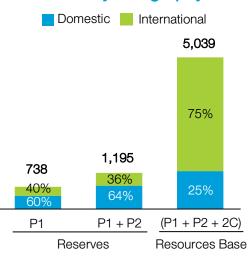


5-Year Average Proved Reserves Replacement Ratio (RRR)

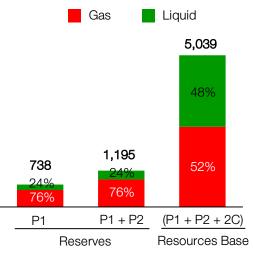
2013	2014	2015
0.82x	0.45x	0.50x

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

Strategies



2015 by Product Type



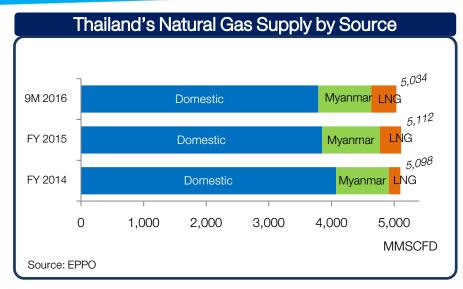
Supplement

2015 by Geography

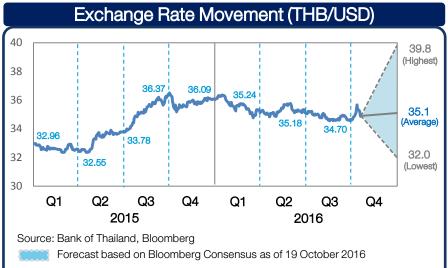
Highlights

Key Takeaways

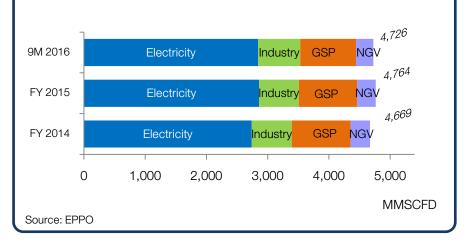
TTEP Stable gas outlook, while watching closely on the concession re-tendering timeline



Thailand updates



Thailand's Natural Gas Consumption by Sector



Thailand's Gas Market:

 In meeting stable domestic demand, saw a slight increase in LNG imports and Myanmar volumes decline due to planned shutdown in 9M 2016

Exchange Rate:

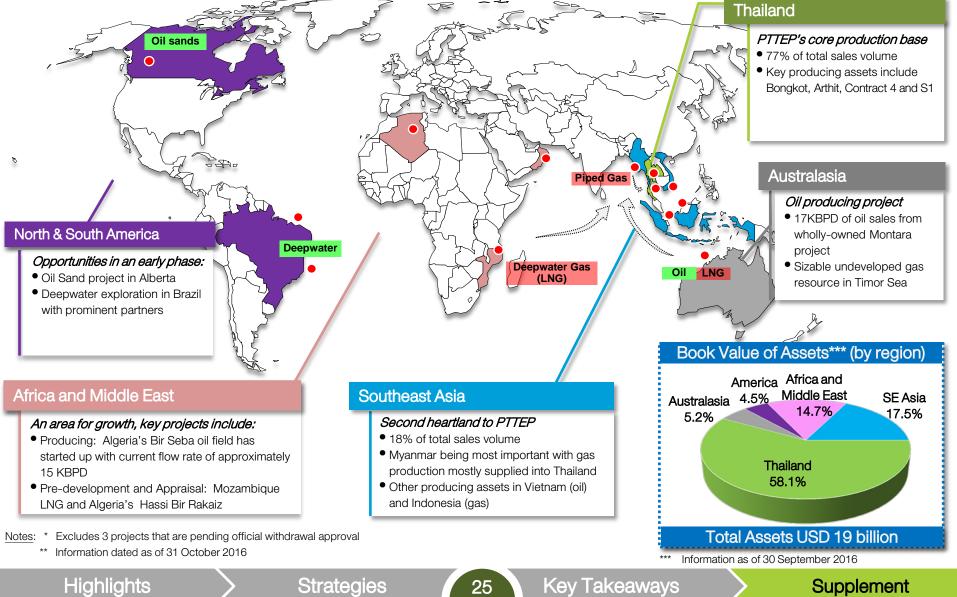
 Continue to be volatile; risk to weakening THB if FED increases interest rate in Q4'2016

Supplement

Highlights

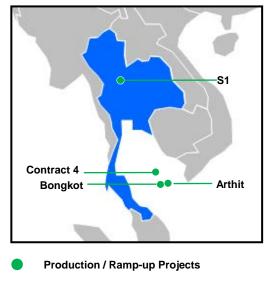












Bongkot (44.4% interest)

- Bongkot's natural gas sales volume of 888 MMSCFD (9M2016) represents approximately 18% of Thailand's natural gas supply
- Average condensate sales volume was 27 KBPD in 9M2016

S1 (100% interest)

- S1 is the largest onshore crude oil production field in Thailand
- Average crude oil sales volume was 27 KBPD in 9M2016

Arthit (80% interest)

 Average sales volume in 9M2016 was 220 MMSCFD of natural gas and 10 KBPD of condensates

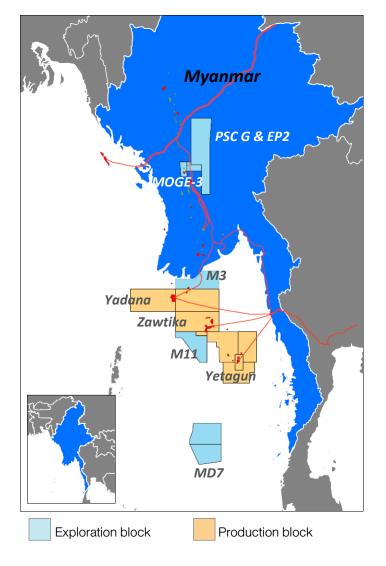
Acquisition of Hess Assets in Thailand

- 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 323 MMSCFD for natural gas and 15 KBPD for condensate in 9M2016

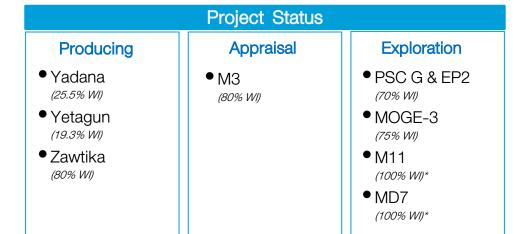








- Participating in three producing gas fields which supply gas to both Thailand and Myanmar: Yadana, Yetagun, Zawtika
- Operate Zawtika project, brought online in August 2014. Deliver gas supply of 301 MMSCFD in 9M2016.
- Significant exploration acreage both onshore and offshore in the Moattama Basin



Note: WI – working interest

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* New participating interest subject to government approval

Highlights

Strategies

Supplement





Production / Ramp-up Projects

Vietnam 16-1 (28.5% interest)

- Average crude oil sales volume of 26 KBPD in 9M2016
- Commissioned production platform in the H5 area to support current production level

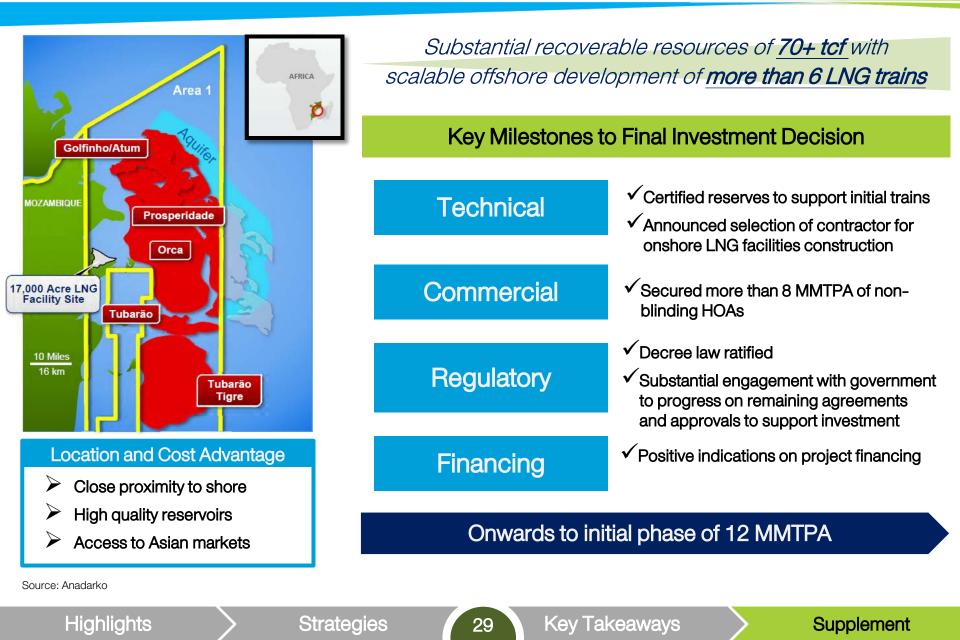
Natuna Sea A (11.5% interest)

 Average sales volume of natural gas was 217 MMSCFD in 9M2016

Source : Premier Oil

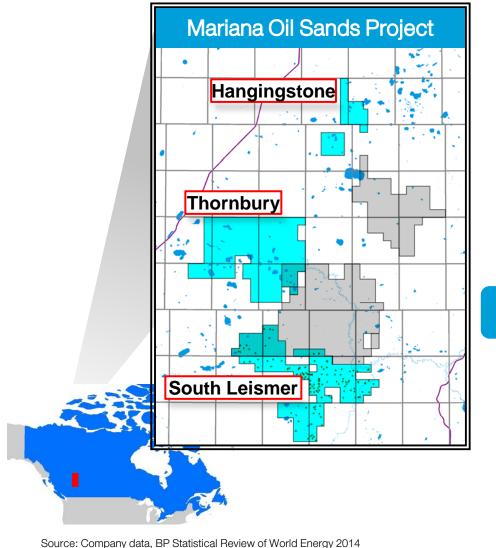
East Africa : Mozambique

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





Strategies

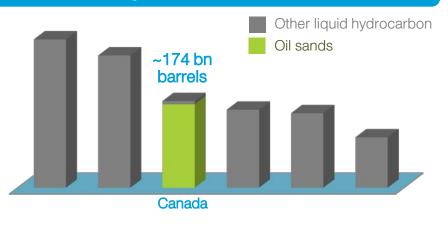


Highlights

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



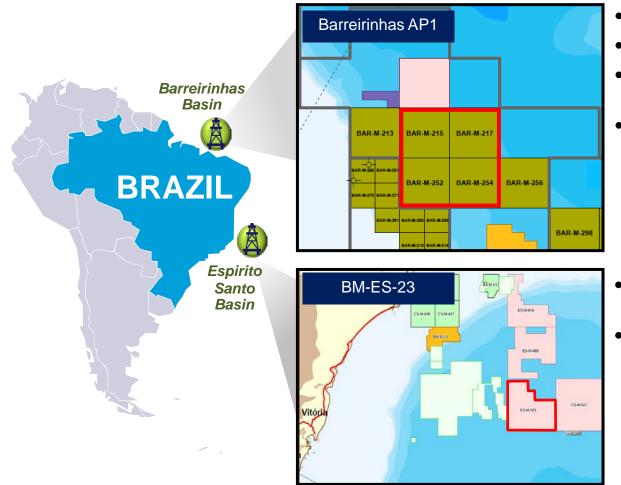
Key Takeaways

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Supplement

PTTEP Entry into high potential petroleum province at exploration phase

America : Brazil Deepwater



- 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
- Completed 3D seismic activities and is in the process of assessing the petroleum potential

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

Supplement

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

Highlights

Key Takeaways





Supplement

	Project	Status*	PTTEP's	Partne	rs	9M 2016 Average Sales Volume **		2016 Key Activities
			Share	(as of Q32	2016)	Gas	Oil and Other	
Pro	oduction Phase							
Tha	ailand and JDA							
1	Arthit	OP	80%	Chevron MOECO	16% 4%	220 MMSCFD	Condensate: 10 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%	127 MMSCFD	Crude: 29 k BPD	 Drill development wells Perform waterflood activities
4	Bongkot	OP	44.4445%	TOTAL British Gas	33.3333% 22.2222%	888 MMSCFD	Condensate: 27 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%	586 MMSCFD	Crude: 24 k BPD Condensate: 22 k BPD	 Drill exploration / appraisal / development wells Install wellhead platforms Perform waterflood activities
6	Contract 4 (Formerly Pailin)		60%	Chevron MOECO	35% 5%	323 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%	11 MMSCFD	-	
8	G4/43		21.375%	Chevron MOECO PSTL	51% 21.25% 6.375%	1.6 MMSCFD	Crude: 6.3 k BPD	 Drill development wells Perform waterflood activities
9	G4/48		5%	Chevron MOECO	71.25% 23.75%	7.3 MMSCFD	Crude: 1.3 k BPD	
10	L53/43 & L54/43	OP	100%			-	Crude: 544 BPD	Drill exploration and development wells
11	PTTEP1	OP	100%			-	Crude: 378 BPD	 Drill development wells Perform waterflood activities
12	S1	OP	100%			23 MMSCFD	Crude: 27 k BPD	 Drill exploration / appraisal / development wells Enhance oil recovery program includes waterflooding and artificial lift
13	Sinphuhorm	OP	55%	Apico ExxonMobil	35% 10%	120 MMSCFD	Condensate: 444 BPD	Drill development wells
14	MTJDA	JOC	50%	Petronas-Carigali	50%	309 MMSCFD	Condensate: 8.3 k BPD	Drill development wells Install wellhead platforms
15	L22/43	OP	100%			-	Crude: 165 BPD	Drill exploration / development wells

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* 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

Highlights

Key Takeaways





Supplement

	Project	Status*	PTTEP's	Partne			age Sales Volume **	2016 Key Activities
			Share	(as of Q32	2016)	Gas	Oil and Other	
Pro	Production Phase							
<u>Ov</u>	erseas							
16	Oman 44 ***	OP	100%			17 MMSCFD	Condensate: 854 BPD	Maintain production operation
17	Vietnam 9-2	JOC	25%	PetroVietnam SOCO	50% 25%	12 MMSCFD	Crude: 3.9 k BPD	 Maintain production operation Perform reservoir management
18	Yadana		25.5%	TOTAL Chevron MOGE	31.24% 28.26% 15%	745 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: 5.4 k BPD	 Drill development wells Perform reservoir Management
20	Vietnam 16-1	JOC	28.5%	PetroVietnam SOCO OPECO	41% 28.5% 2%	12 MMSCFD	Crude: 26 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: 15 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%	217 MMSCFD	Crude: 1.5 k BPD	Maintain production operation
23	Zawtika (M9 & a part of M11)	OP	80%	Myanma Oil and Gas Enterprise (MOGE)	20%	301 MMSCFD	-	 Maintain production rate Drill development wells Install wellhead platforms
24	Algeria 433a & 416b (Bir Seba)	JOC	35%	PetroVietnam Sonatrach	40% 25%	-	Crude: 2.2 k BPD (net entitlement)	 Maintain production operation Review field development plan for possible capacity expansion

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

** Sales volume stated at 100% basis except for Algeria 433a & 416b

*** In the process of divestment transaction closing

Highlights

Key Takeaways





	Project	Status*	PTTEP's Share	Partners (as of Q3 2016)	2016 Key Activities
Exp	oloration Phase				
Tha	ailand and JDA	_			
25	G9/43	OP	100%		
Ov	erseas			•	
26	Myanmar M3	OP	80%	MOECO 20%	Access development options and commercial potential
27	Mozambique Rovuma Offshore Area 1		8.5%	Anadarko, Mitsui, 26.5%,20% ENH, Bharat Petroleum, 15%,10%, BREML, OVL 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 24.5% Sonatrach 51%	Drill Appraisal wells
29	Myanmar M11	OP	100%**		Acquire 3D seismic
30	Vietnam B & 48/95		8.5%	PVN 65.88% MOECO 25.62%	Negotiate a GSA with the Vietnamese government
31	Vietnam 52/97		7%	PVN 73.4% MOECO 19.6%	Negotiate a GSA with the Vietnamese government
32	Myanmar PSC G and EP 2	OP	70%	WinPreciousResources10%MOECO10%Palang Sophon Offshore10%	Conduct G&G studies
33	Myanmar MD 7	OP	100%		Acquire 3D seismic
34	Mariana Oil Sands	OP	100%		Assess development approach and cost reduction opportunity
35	Barreirinhas AP1		25%	BG Brasil 75%	Acquire 3D seismic

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

**

Highlights





	Project	Status*	PTTEP's Share	Partners (as of Q3 2016)	2016 Key Activities		
Exp	Exploration Phase						
Ov	erseas (Cont'd)						
36	Myanmar MOGE 3	OP	75%	Palang Sophon Offshore109MOECO109WinPreciousResources59	Acquire 3D seismic		
37	Brazil BM-ES-23		20%	Petrobras 65% INPEX 15%			
38	Malaysia SK410B	OP	42.5%	KUFPEC 42.59 PSCB 159			

Remarks: 38 projects exclude 3 projects that are pending official withdrawal approval

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

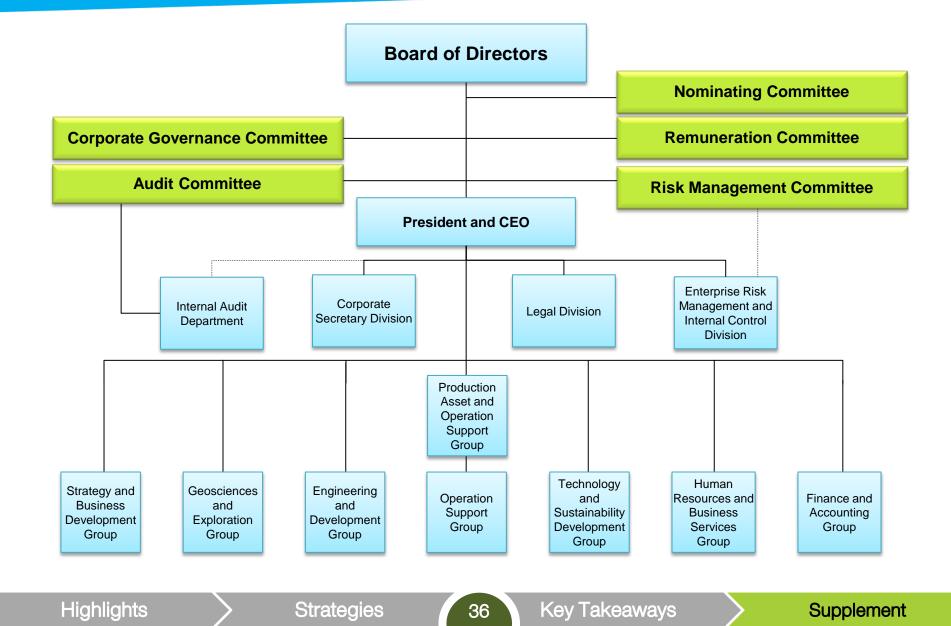
Highlights

Strategies



PTTEP Ensuring transparency, integrity and good corporate governance

Organization structure







Supplement

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. + 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

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Highlights

Strategies

Key Takeaways