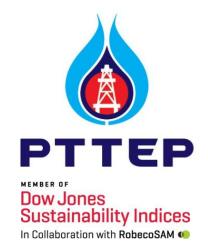
PTT Exploration and Production Public Company Limited

2015 Year-end Analyst Meeting Bangkok 19 February 2016











Safety Performance

Industry Highlights

Financial Results

Key Achievements and Outlook

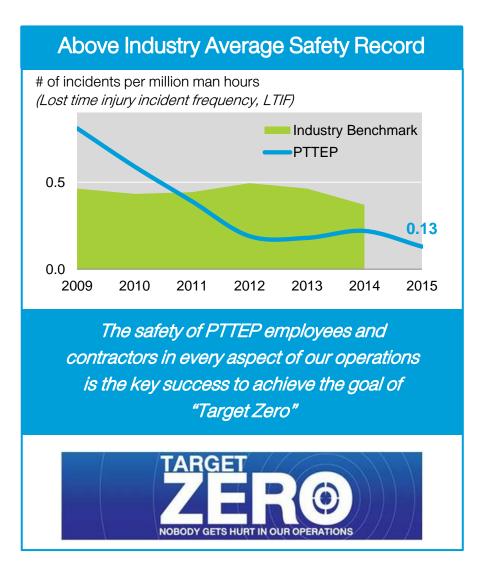
Safety Industry 2 20 Financial Outlook



Second consecutive year as a DJSI listed company



Affirming our path to sustainable development MEMBER OF Dow Jones Sustainability Indices In Collaboration with RobecoSAM (Technology Business Growth Good **Process** governance SUSTAINABILITY Social Environmental **Progress** Stewardship Human Funds capital









Safety Performance

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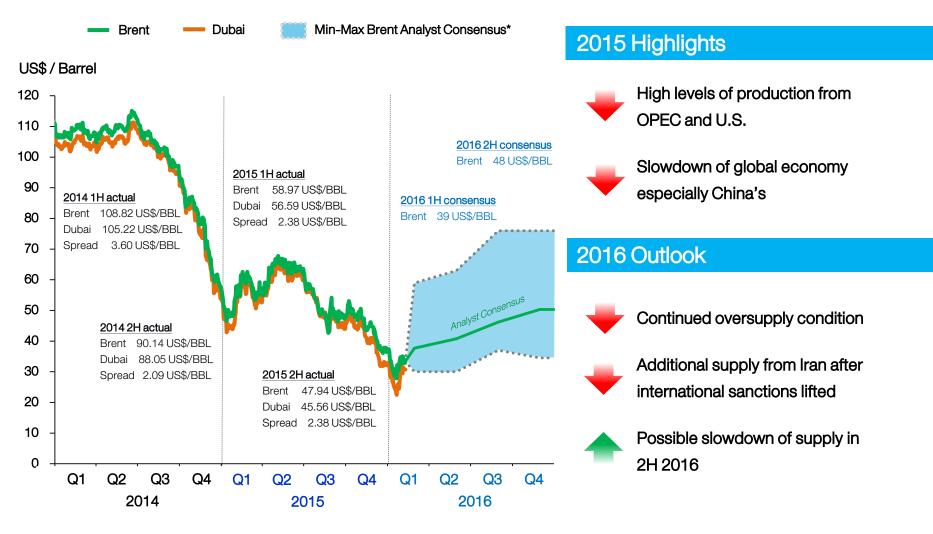
Safety Industry 4 20 Financial Outlook



Oil Prices

Oil prices fell as market continues to be oversupplied





Remark: * Bloomberg Analyst Consensus (CPFC) as of 9 February 2016 (41 estimates)

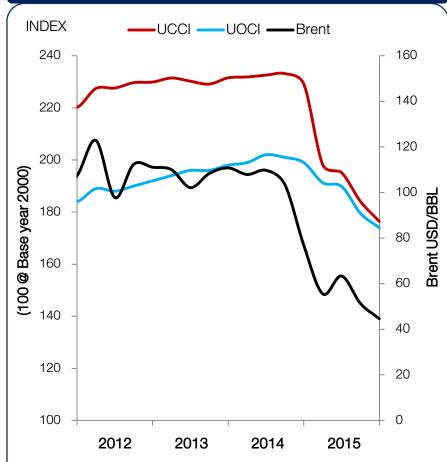


Cost & Industry Trend

Falling upstream cost indices as E&P companies focus on spending cuts



Upstream Capital and Operating Cost Indices



Remark: UCCI = Upstream Capital Cost Index; UOCI = Upstream Operating Cost Index

Source: IHS CERA

Industry Responses to Low Oil Prices

Focus on cost and spending cuts to balance cash flows and revitalize through ...

Cost & Investment Optimization

- Improve efficiency, standardize and simplify design, and lower costs
- Defer spending on higher-cost projects

Portfolio Rationalization

- Move back to core high-quality assets in the portfolio
- Divest non-core positions, most evidently in 2015 in less-oil price sensitive sector (e.g. midstream)

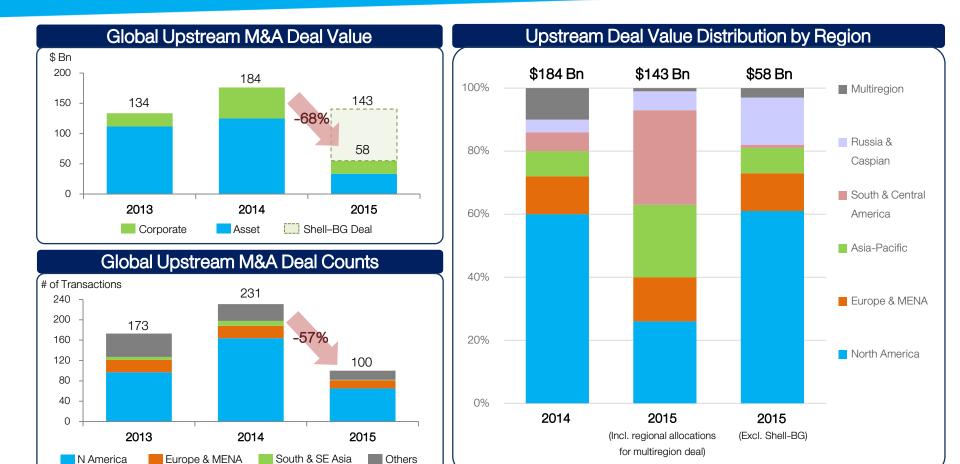
Consolidation

- Values through synergy and economies of scales
- Example: Shell-BG / Suncor-COS / intra-basin consolidation by US onshore players



FY 2015 M&A Recap

Market relatively muted from valuation mismatch between buyers and sellers

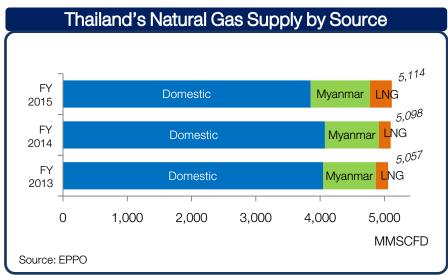


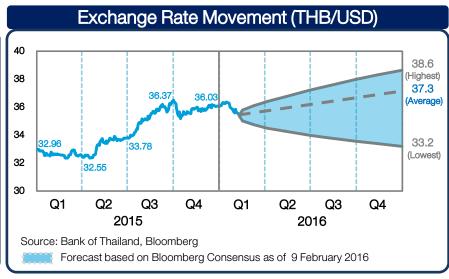
- Lack of consensus between sellers and buyers due to volatile and low oil prices
- Almost \$60Bn (YTD) of high profile corporate deals cancelled due to rejection by key shareholders/BoD

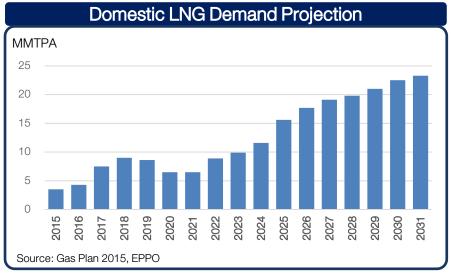


Thailand Updates

Continuing growth in gas demand whilst stagnant economy depreciated Baht







Upstream Energy Reform

- Concessions

 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

 PROUND

 THAILAND

 21st
 PETROLEUM
 BIDDING ROUND
- Bidding round process could be resumed after amendments to Petroleum Act is finalized







Safety Performance

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Financial Results

Key Achievements and Outlook

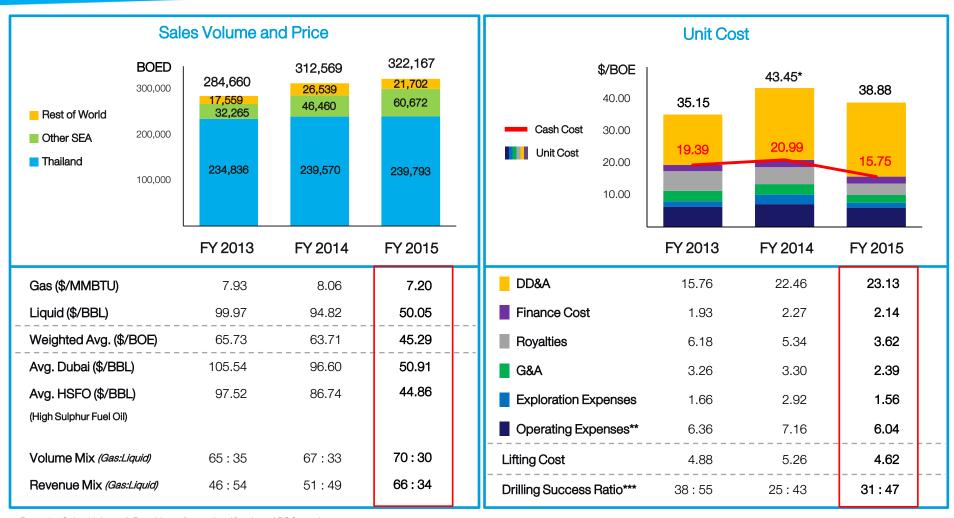
Safety 9 20 Financial Outlook



Sales Volume & Unit Costs







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

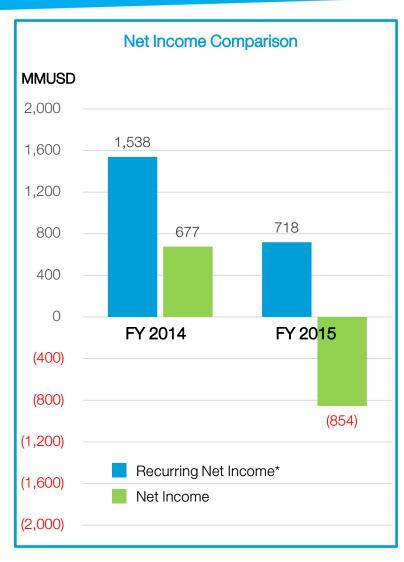
- * If exclude extra expense from Montara's Development well (H5): For 2014, Operating Exp: 6.73 \$/BOE / Unit cost: 43.02 \$/BOE
- ** Exclude diluent cost for blending bitumen in KKD Oil Sands project
- *** Successful wells: Total wells (includes Exploration and Appraisal wells)

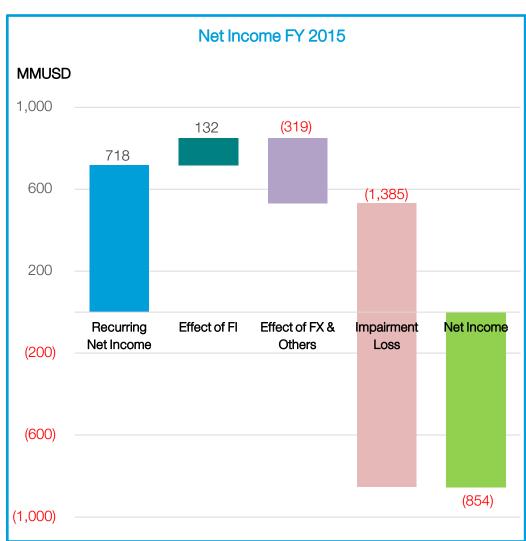


FY 2015 Net Income Breakdown









Remark: * 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.

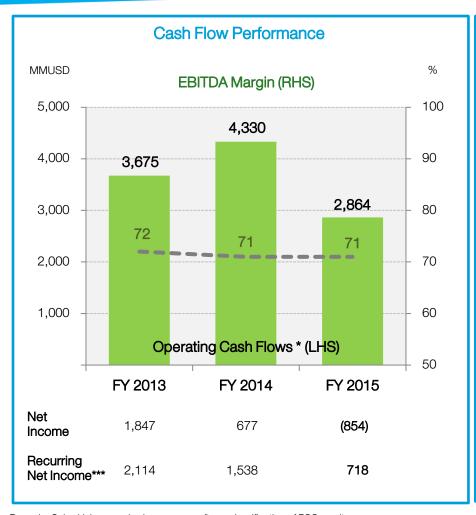
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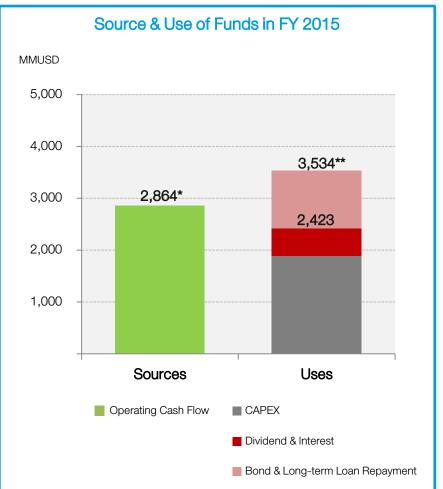


Cash Flow Performance

Robust 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.

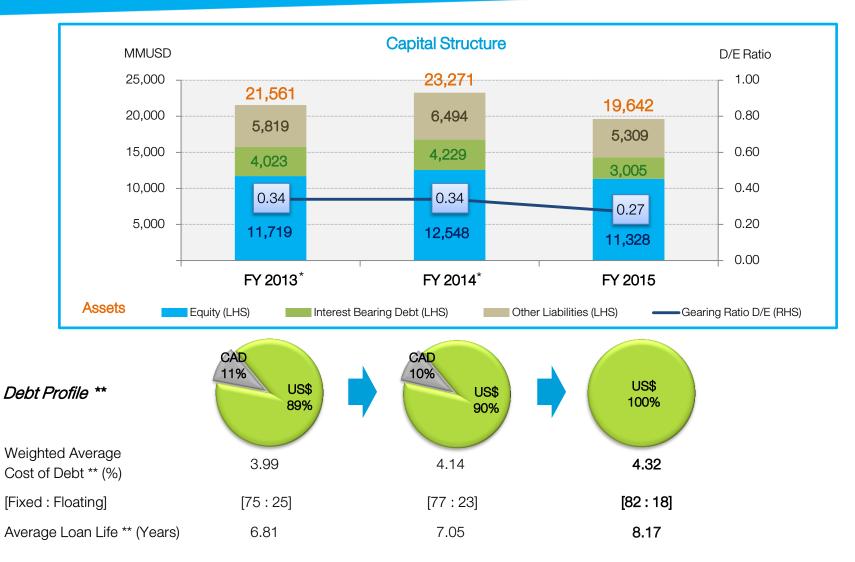
20



Financial Position



Healthy balance sheet with low gearing ratio and \$3.3bn cash on hand



Remark: * Restated

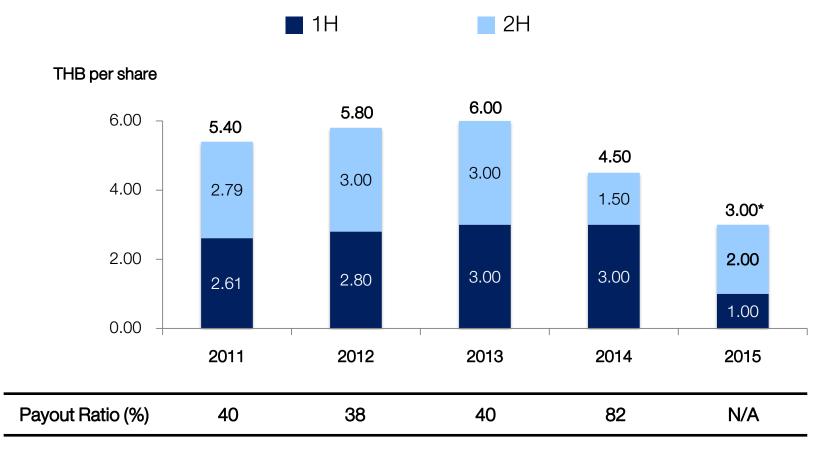
** Excludes Hybrid bonds

Dividends



Demonstrating our dividend commitment to shareholders

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



Remark: * Subject to the Annual General Shareholders' Meeting approval







Safety Performance

Industry Highlights

Financial Results

Key Achievements and Outlook

Safety Industry 15 20 Financial Outlook



2015 Key Achievements





Sales volume target delivered

✓ Domestic volumes maintained

First production from Algeria

Significant cost reduction

Investment prioritization

Efficiency improvement

Advantageous financial position

Liquidity preservation

Robust capital structure

| 3 _% | Sales volume growth vs. 2014 |
|---------------------|---|
| 11% | Reduction in unit cost vs. 2014 |
| 30% | Reduction in total expenditure vs. plan |
| 2.9 billion USD | Operating cash flow |
| 3.3 billion USD | Cash on hand |
| 0.27 _× | Total debt/equity ratio |
| Thai Baht per share | Full-year dividend |

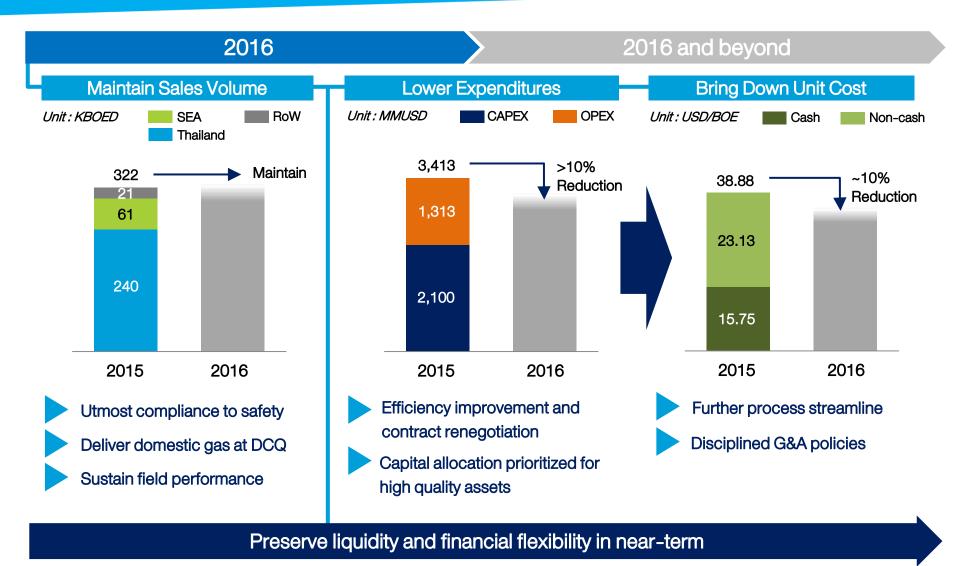
Safety Industry 16 20 Financial



RESET to Survive in the Low Oil Price Environment



Primary focus on cost reduction and maintain reliable operations



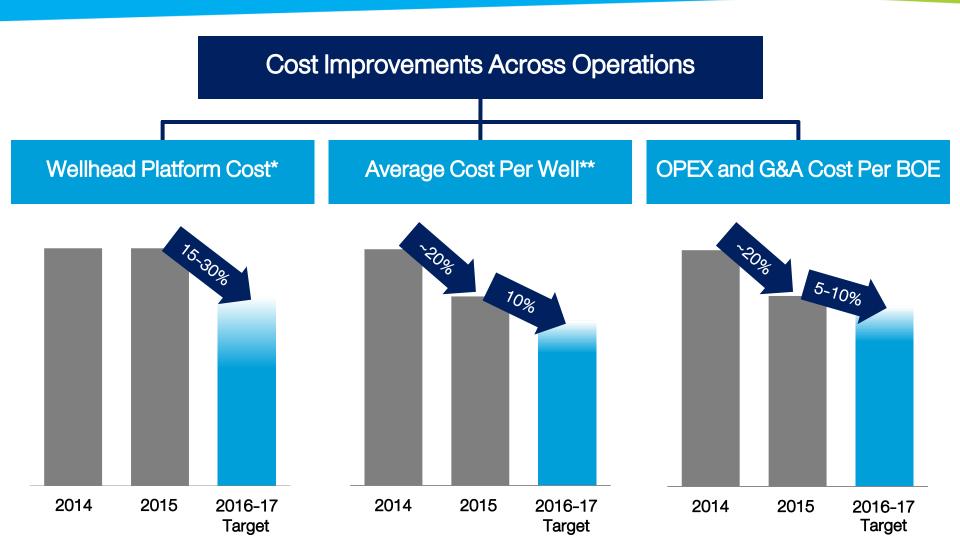
Safety Industry 17 20 Financial Outlook



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

Safety

Industry

18 20

Financial

Outlook

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

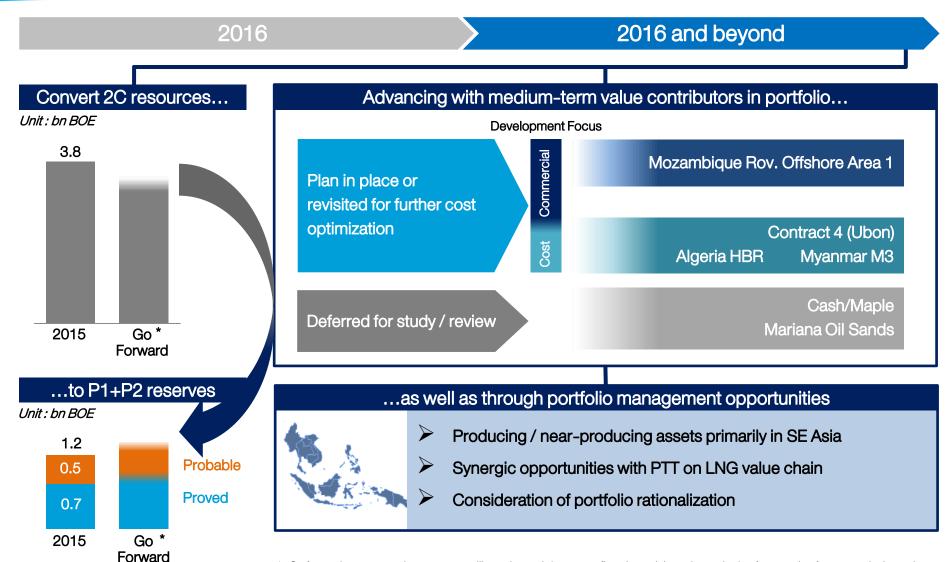


REFOCUS to Capitalize on the Upturn



Outlook

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







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



http://www.pttep.com



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+66 2 537 4000

Supplementary Information





- 1 Detailed financial information
- 2 Five-year investment plan
- 3 Reserves and resources
- 4 Project details
- 5 Organization structure
- 6 Ratios and formula

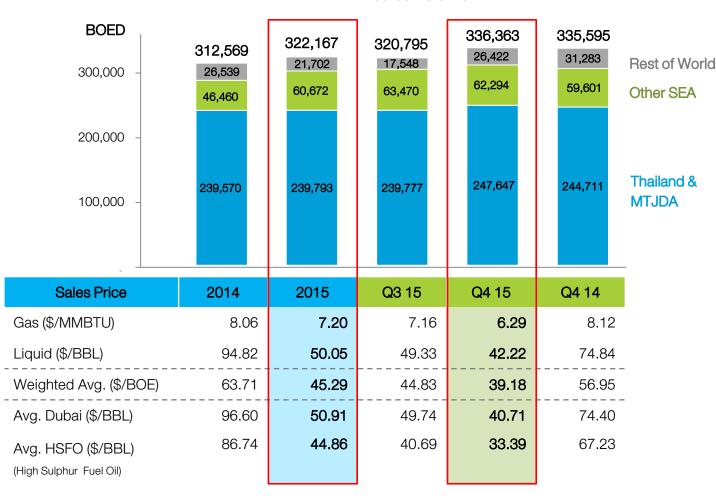


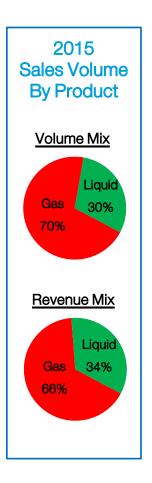
PTTEP Sales Volume & Average Selling Price



Sales volume increased per 3% target; ASP decreased from lowered oil prices

Sales Volume

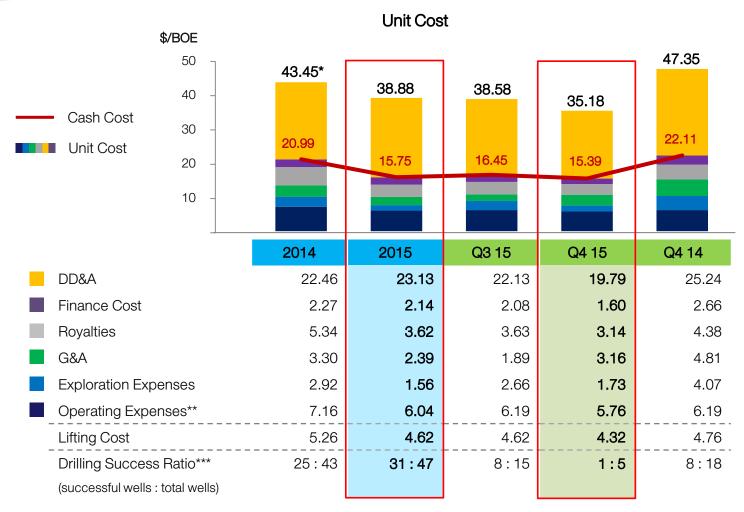






Operating Performance

Continuous improvement in unit cost performance



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

Note: The formulas for calculating ratios are provided in the supplementary section for your reference

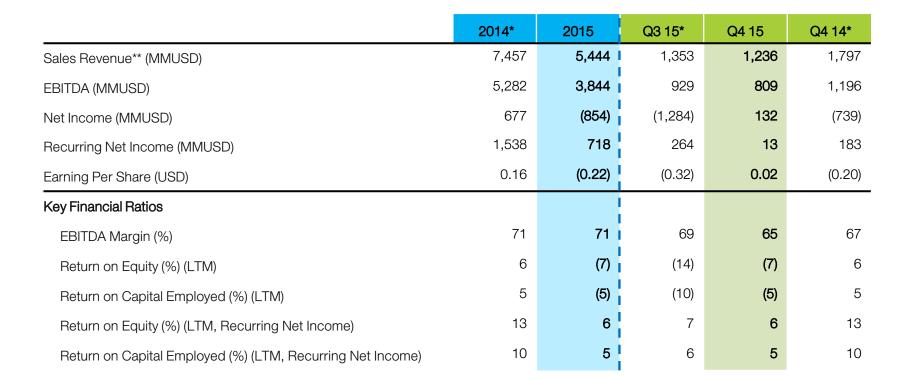
^{*} Excludes diluent cost for blending bitumen in Oil Sands project

^{***} Exploration and Appraisal Wells



Financial Performance: Income Statement

Healthy EBITDA margin



Note: The formulas for calculating ratios are provided in the supplementary section for your reference

^{*} Restated

Sales and revenue from pipeline transportation



Financial Performance : Balance Sheet



| | 2014* | 2015 |
|-------------------------------------|--------|--------|
| Total Assets (MMUSD) | 23,271 | 19,642 |
| - Cash & cash equivalents** (MMUSD) | 3,930 | 3,260 |
| Total Liabilities (MMUSD) | 10,723 | 8,314 |
| - Interest bearing debt (MMUSD) | 4,229 | 3,005 |
| Equity (MMUSD) | 12,548 | 11,328 |
| Key Financial Ratios | | |
| Total Debt to Equity (X) | 0.34 | 0.27 |
| Net Debt** to Equity (X) | 0.02 | (0.02) |
| Total Debt to Capital (X) | 0.25 | 0.21 |
| Total Debt to EBITDA (X) | 0.80 | 0.78 |
| Net Debt** to EBITDA (X) | 0.06 | (0.07) |
| EBITDA Interest Coverage (X) | 28 | 24 |

Credit Ratings: BBB+ (S&P), Baa1 (Moody's), AAA (TRIS)

Weighted Average Cost of Debt***: 4.32%

Average Loan Life***: 8.17 years

Note: The formulas for calculating ratios are provided in the supplementary section for your reference

^{*} Restated

Cash & Cash Equivalents (Cash on hand) include Short-term Investments (Fixed deposit > 3 months)

Net Debt = Total Debt less Cash & Cash Equivalents and Short-term Investments

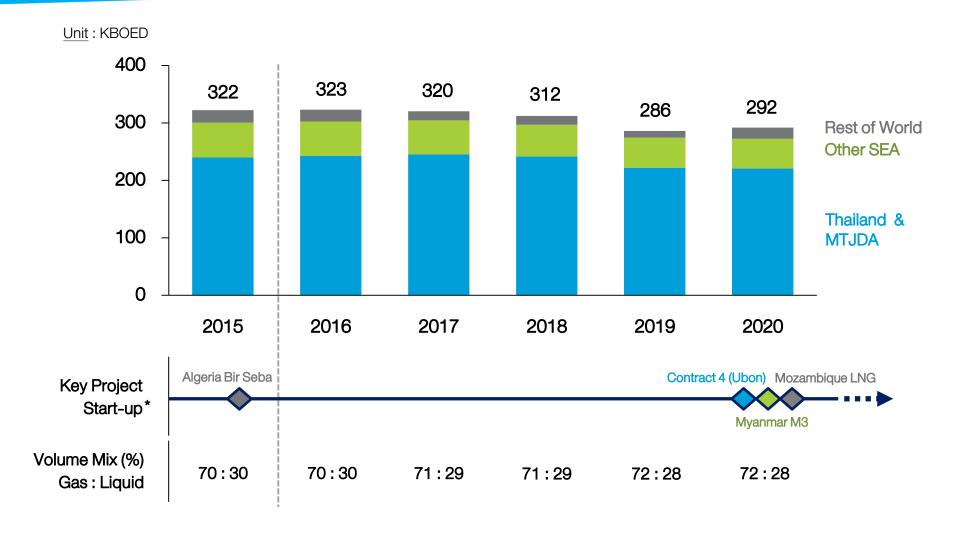
^{***} Excludes hybrid bonds



Sales Volume Guidance

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





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

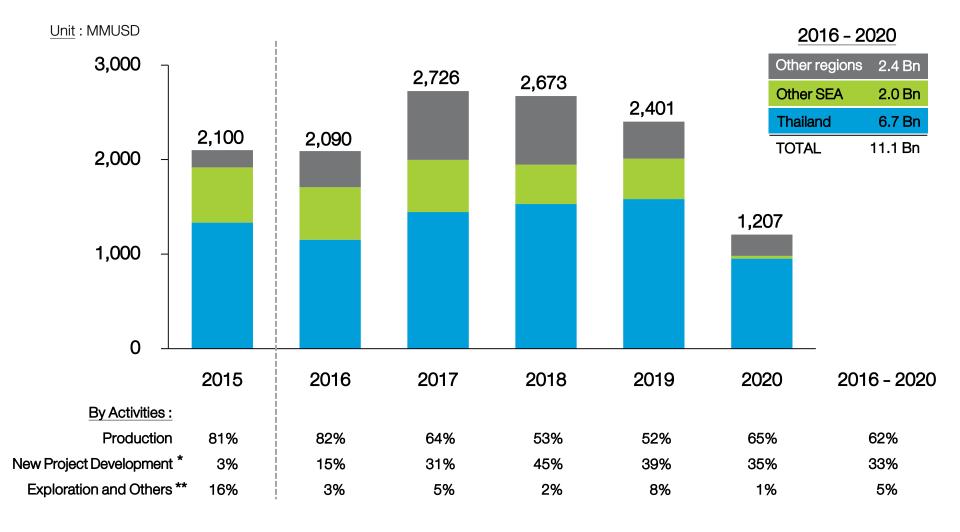
* Subject to FID timing



CAPEX Breakdown







Note: * Subject to FID

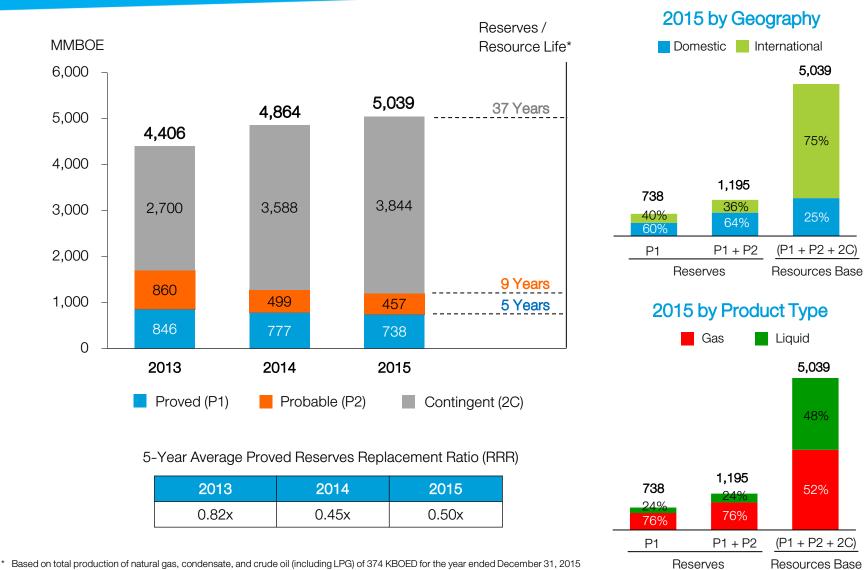
^{**} Includes exploration and appraisal in all projects and HO CAPEX



Reserves and Resources

Growing resources base to support future reserves addition





based of total production of fatural gas, condensate, and crude on (including LFG) of 374 NDOED for the year ended becentiber 31, 20

Safety Industry 3 6 Financial Outlook



Project Information 1/4

Production phase: Thailand and JDA



| | Project | Status* | ıs* PTTEP's | Partners | | 2015 Avera | ge Sales Volume ** | 2016 Key Activities |
|-----|--|---------|-------------|--|---------------------------------|------------|---|---|
| | | | Share | (as of 20 | 15) | Gas | Oil and Other | 1 |
| Pro | oduction Phase | | | | | | | |
| Th | ailand and JDA | | | | | | | |
| 1 | Arthit | OP | 80% | Chevron MOECO | 16% 4% | 213 MMSCFD | Condensate: 9.4 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% | 98 MMSCFD | Crude: 26 k BPD | Drill development wells Perform waterflood activities |
| 4 | Bongkot | OP | 44.4445% | TOTAL British Gas | 33.3333% 22.2222% | 905 MMSCFD | Condensate: 28 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% | 561 MMSCFD | Crude: 20 k BPD Condensate: 19 k BPD | Drill exploration / appraisal / development wells Install wellhead platforms Perform waterflood activities |
| 6 | Contract 4 (Formerly Pailin) | | 60% | Chevron MOECO | 35% 5% | 305 MMSCFD | Condensate: 14 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% | 2 MMSCFD | Crude: 6.7 k BPD | Drill development wells Perform waterflood activities |
| 9 | G4/48 | | 5% | Chevron MOECO | 71.25% 23.75% | 5 MMSCFD | Crude: 981 BPD | |
| 10 | L53/43 & L54/43 | OP | 100% | | | = | Crude: 297 BPD | Drill exploration and development wells |
| 11 | PTTEP1 | OP | 100% | | | - | Crude: 386 BPD | Drill development wellsPerform waterflood activities |
| 12 | S1 | OP | 100% | | | 26 MMSCFD | Crude: 29 k BPD | Drill exploration / appraisal / development wells Enhance oil recovery program includes waterflooding and artificial lift |
| 13 | Sinphuhorm | OP | 55% | Apico ExxonMobil | 35% 10% | 121 MMSCFD | Condensate: 460 BPD | Drill development wells |
| 14 | MTJDA | JOC | 50% | Petronas-Carigali | 50% | 326 MMSCFD | Condensate: 7.3 k BPD | Drill development wells Install wellhead platforms |
| 15 | L22/43 | OP | 100% | | | - | Crude: 50 BPD | Drill exploration / development wells |

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

Safety Industry 4.1

Financial

^{**} 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* | | Partners | | 2015 Averag | ge Sales Volume ** | 2016 Key Activities |
|-----|------------------------------------|-----------------|------------------------------------|--|--|-------------------|--------------------------|--|
| | | | Share | (as of 2015) | | Gas Oil and Other | | |
| Pro | duction Phase | | | | | | | |
| Ov | <u>erseas</u> | | | | | | | |
| 16 | Oman 44 | OP | 100% | | | 22 MMSCFD | Condensate: 1.1 k BPD | Maintain production operation |
| 17 | Vietnam 9-2 | JOC | 25% | PetroVietnam SOCO | 50% 25% | 13 MMSCFD | Crude: 4.8 k BPD | Maintain production operation Perform reservoir management |
| 18 | Yadana | | 25.5% | TOTAL Chevron MOGE | 31.24% 28.26% 15% | 751 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% | 286 MMSCFD | Condensate: 5.8 k BPD | Drill development wells Perform reservoir Management |
| 20 | Vietnam 16-1 | JOC | 28.5% | PetroVietnam SOCO OPECO | 41% 28.5% 2% | 16 MMSCFD | Crude: 31 k BPD | Drill development wells Perform reservoir management Review feasibility for water handling facility upgrade |
| 21 | PTTEP Australasia (PTTEP AA) | OP | 20%-100% (varied by permits) | | | - | Crude: 16 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% | 213 MMSCFD | Crude: 1.4 k BPD | Maintain production operation |
| 23 | Zawtika (M9 & a part of M11) | OP | 80% | Myanma Oil and Gas Enterprise (MOGE) | 20% | 314 MMSCFD | - | Maintain production rate Drill development wells Install wellhead platforms |
| 24 | Algeria 433a & 416b (Bir Seba) | JOC | 35% | PetroVietnam Sonatrach | 40% 25% | - | 215 BPD | 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



Project Information 3/4

Exploration phase



| | Project | Status* | PTTEP's Share | Partners (as of 2015) | | | 2016 Key Activities |
|-----|---|---------|------------------|--|----------------------------------|---|---|
| Exp | oloration Phase | | | (40 0. 20 .0) | | | |
| Tha | ailand and JDA | | | | | | |
| 25 | G9/43 | OP | 100% | | | | |
| Ove | erseas | | | | | | |
| 26 | Myanmar M3 | OP | 80% | MOECO | 20% | • | Access development options and commercial potential |
| 27 | Mozambique Rovuma Offshore Area 1 | | 8.5% | | 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% | WinPreciousRes ources 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



| | Project | Status* | PTTEP's Share | Partners (as of 2015) | 2016 Key Activities | | | |
|-----------|-----------------------|---------|------------------|--|--|--|--|--|
| <u>Ex</u> | Exploration Phase | | | | | | | |
| Ove | erseas (Cont'd) | | | | | | | |
| 34 | Myanmar MD 7 and MD 8 | OP | 100% | | | | | |
| 35 | Mariana Oil Sands | OP | 100% | | Assess development approach and cost reduction opportunity | | | |
| 36 | Barreirinhas AP1 | | 25% | BG Brasil 75% | Acquire 3D seismic | | | |
| 37 | MOGE 3 | OP | 75% | Palang Sophon Offshore 10% MOECO 10% WinPreciousResources 5% | Acquire 3D seismic | | | |
| 38 | Brazil BM-ES-23 | | 20% | Petrobras 65% INPEX 15% | Drilling result and resource evaluation | | | |

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

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



Organization Structure









Ratio & Formula



| Formula Programme Control of the Con |
|--|
| (Operating Exp.) / Production Volume |
| (Operating Exp. + Exploration Exp. + G&A + Royalties + Finance Cost) / Sales Volume |
| (Operating Exp. + Exploration Exp. + G&A + Royalties + Finance Cost + DD&A) / Sales Volume |
| 5-Yr Additional Proved Reserves / 5-Yr Production Volume |
| Proved Reserves / Production Volume |
| Number of wells with petroleum discovery / Total number of exploration and appraisal wells |
| Sales + Revenue from pipeline transportation |
| (Sales + Revenue from pipeline transportation) - (Operating expenses + Exploration expenses + Administrative expenses + Petroleum royalties and remuneration + Management's remuneration) |
| EBITDA / Sales Revenue |
| Trailing-12-month net income / Average shareholders' equity between the beginning and the end of the 12-month period |
| (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) |
| Income tax expenses / Income before income taxes |
| Short-term loans from financial institution + Current portion of long-term debts + Bonds + Long-term loans from financial institution |
| Total debt – Liquidity |
| Total debt / Shareholders' equity |
| Net debt / Shareholders' equity |
| Total debt / (Total debt + Shareholders' equity) |
| Total debt / Trailing-12-month EBITDA |
| Net debt / Trailing-12-month EBITDA |
| Trailing-12-month EBITDA / Trailing-12-month Interest Expenses & Amortize Bond Issuing Cost |
| |