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Agenda

1Q2017 Highlight

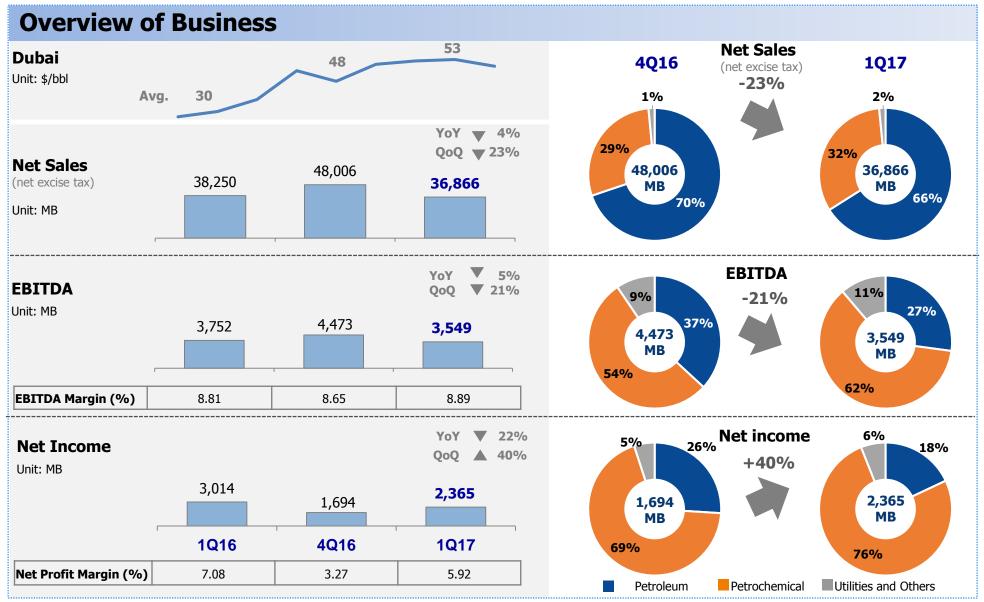


Operation & Financial Performance

Financial Highlight: 1Q17 Performance







Highlight: 1Q17 Update



IRPC's Achievement



Popular Stock Awards
 (Resources Category)
 by Stock News Daily and

 Stock Exchange of Thailand



The Best Corporatein Asia 2016 :Asia's Outstanding CompanyIn Corporate Governance

Marketing



IRPC & UBEEntered intoPurchase Agreement:Steam and Tank Service

Fitch Rating revised IRPC's Outlook to Stable



Fitch Rating revised Outlook To Stable and Affirms IRPC at 'A-(tha)'

PPE+PPC Project Progress: 94% as of April 2017

COD target : June 2017 COD target : July 2017



Highlight: Everest Project in 1Q17

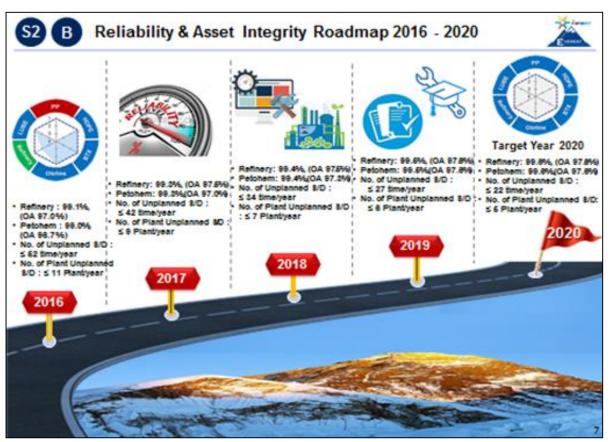




	Unit: MB	1Q17 (Target)	1Q17 Actual EBIT
×	 Operations Area Maximize energy efficiency and reduce loss in production units Improve efficiency and effectiveness of maintenance Reduce production unit downtime and minimize operating days lost 	347	207
000	 Integrated Supply Chain Optimize crude selection, product blending and hydrocarbon stock Enhance throughput & yield by adjusting production unit parameter 	450	278
	Commercial Area	225	60
	 Procurement Area Optimize timing, duration and cost of turnaround Spend optimization with key expenditure categories Optimize small CAPEX spend for highest value expenditures 	87	53
\$	Corporate Area - Non HR Budget management Optimize planning and policies to ensure continued productivity enhancement	76	16
ŸŸŸ	Corporate Area - HR Develop capabilities to sustain both performance and health Improve organizational health practices for top quartile outcomes	184	67
	Tota	al 1,370	681

Highlight: Expected Improvement after Turnaround





- Reliability & Availability
 - > 2016 : 97.3% → 2017 : 98%
 - ➤ Unplanned SD : 36 → 18 times
 - ➤ Benefit ≈ 100-150 MB/yr
- Capacity Increase (Both Refinery &

Petrochemical)

- ➤ Benefit ≈ 100-120 MB/yr
- **Operational Efficiency System**
 - Lower Hydrocarbon loss: 0.52% → 0.50%
 (% loss from crude intake)
 - ➤ Benefit ≈ 34 MB/yr
- Increase Energy Efficiency
 - ➤ EII : Energy Intensity Index 93.8% → 91.5%
 - ➤ Benefit ≈ 150-200 MB/yr



Agenda

1Q2017 Highlight

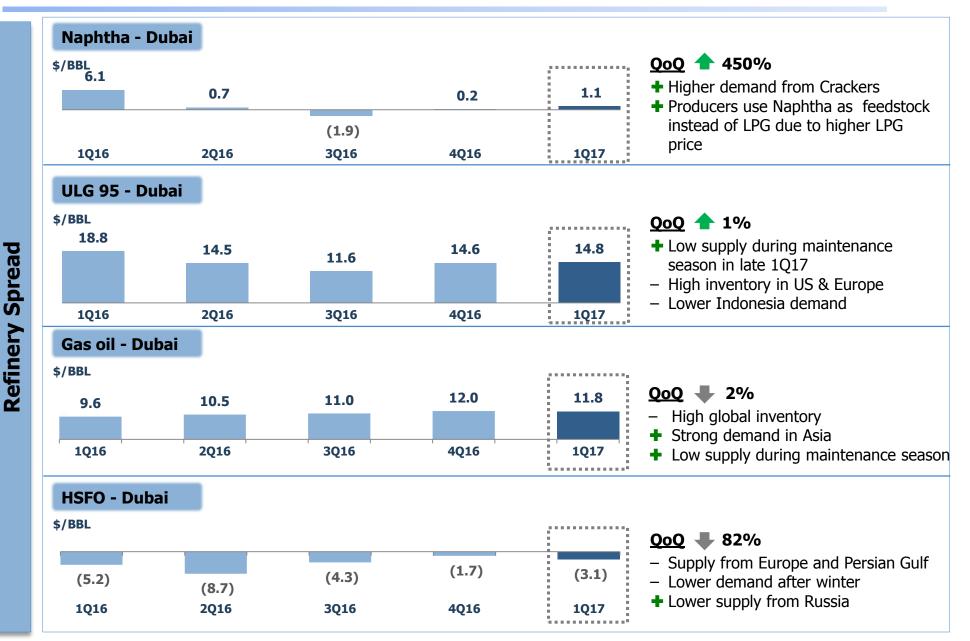
Operation & Financial Performance



Petroleum Performance: Refinery

Naphtha spread improved but Fuel oil spread worsen after winter

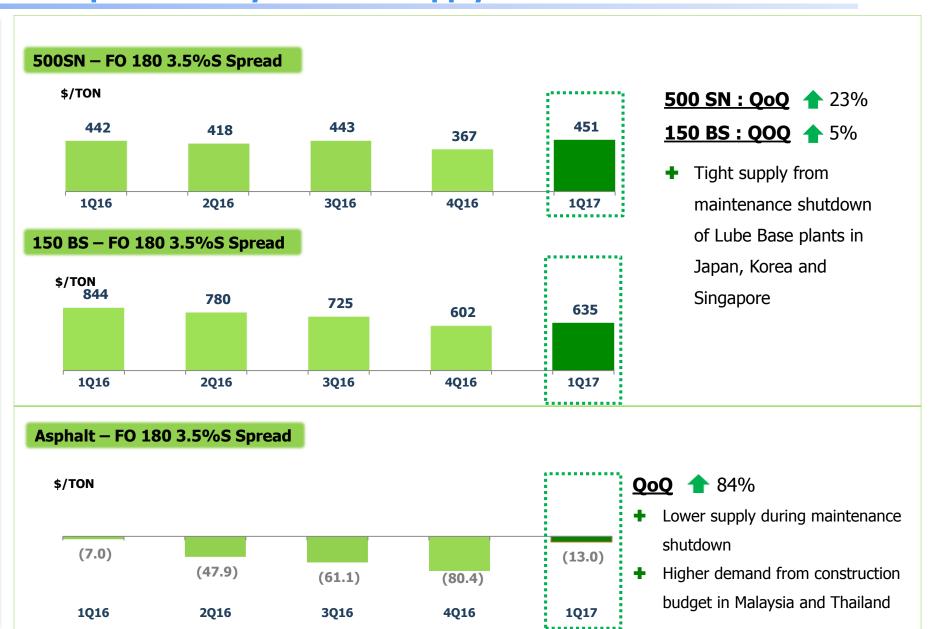




Lube Base Oil Spread

Petroleum Performance: Lube Base Oil Better spread mainly from low supply

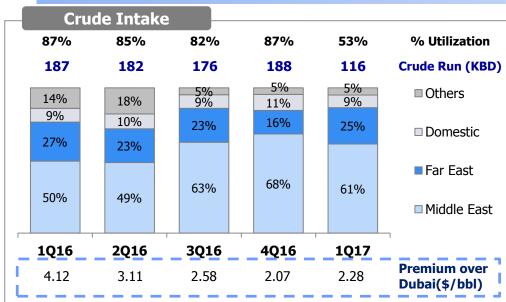


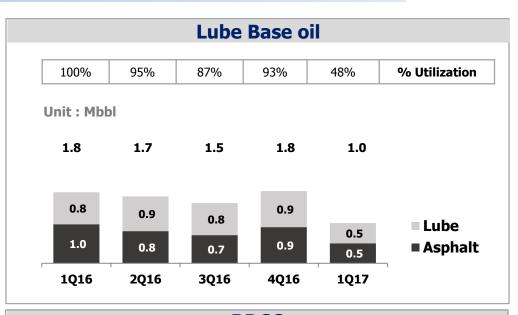


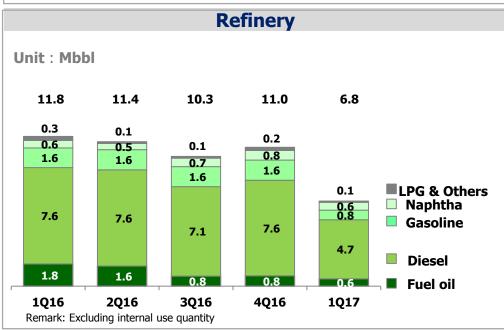
Petroleum Production

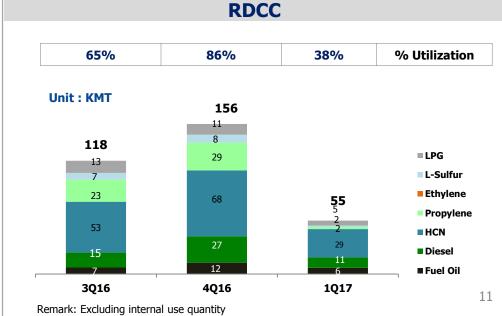
53% Utilization rate; average 34 days of major turnaround in 1Q17





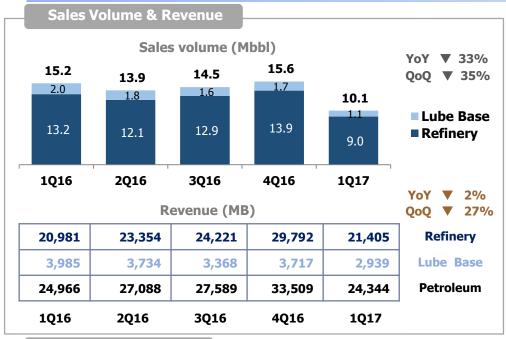


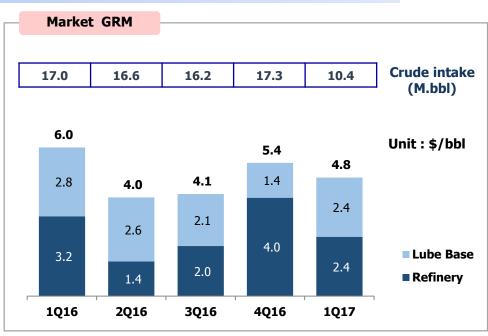


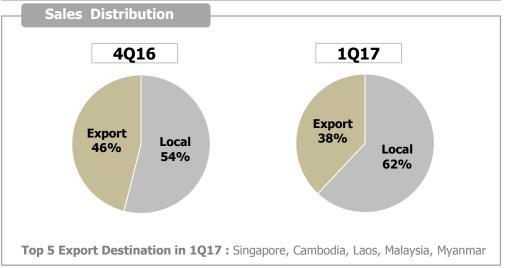


Petroleum Group : Sales & GRMSales & GRM dropped mainly from major turnaround









- 1Q17: Petroleum revenue decreased
 27% QoQ due to 35% decrease in sales volume
 vs 8% avg. prices increase
- Sales Proportion in 1Q17: 62% domestic and 38% export
- 1Q17 Market GRM was \$4.8/bbl: dropped \$0.6/bbl from 4Q16 from lower refinery spread; fuel oil and higher crude premium

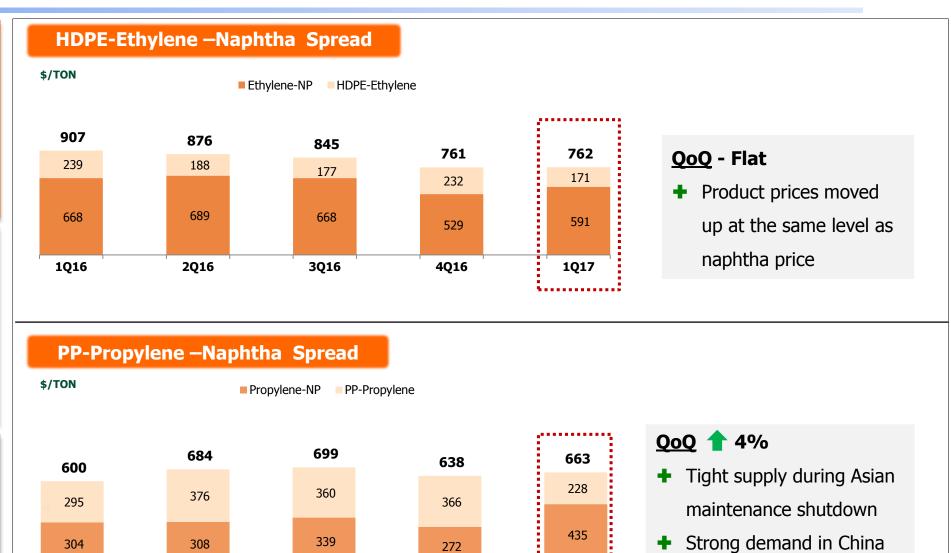
Petrochemical Performance: Olefins Olefins spread maintained



1Q16

2Q16

3Q16



4Q16

1Q17

and Vietnam

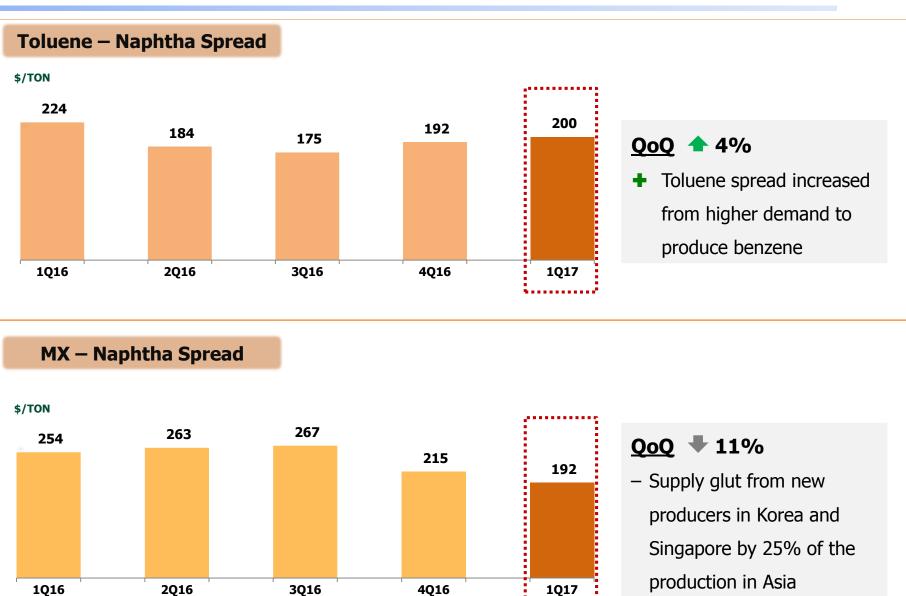
Petrochemical Performance: Aromatics Higher Toluene spread but lower MX spread







Styrenics



Petrochemical Performance: Styrenics Spread increased due to tight supply from Asia's maintenance period RPC Public Company Limited



Petrochemical Group: Production

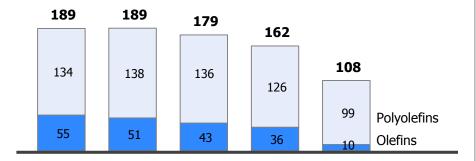




Olefins

 1Q17: 54% utilization rate of Olefins was low due to major planned turnaround

Unit: KMT

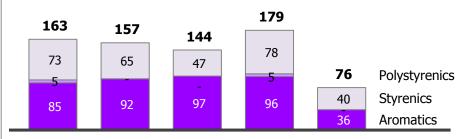


1Q16	2Q16	3Q16	4Q16	1Q1/	
94%	95%	88%	84%	54%	%Utilization
88%	91%	89%	82%	67%	Polyolefins
99%	99%	87%	85%	42%	Olefins

Aromatics & Styrenics

• **1Q17:** 63% utilization rate: 47% Aromatics', 69% Styrenics' and 78% Polystyrenics'

Unit: KMT



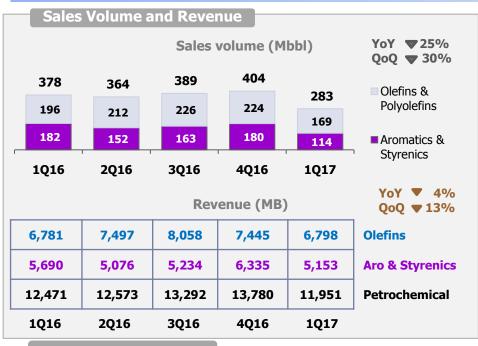
1Q16	2Q16	3Q16	4Q16	1Q17	
99%	90%	80%	93%	63%	%Utilization
92%	87%	77%	80%	78%	Polystyrenics
97%	78%	49%	105%	69%	Styrenics
106%	98%	100%	98%	47%	Aromatics

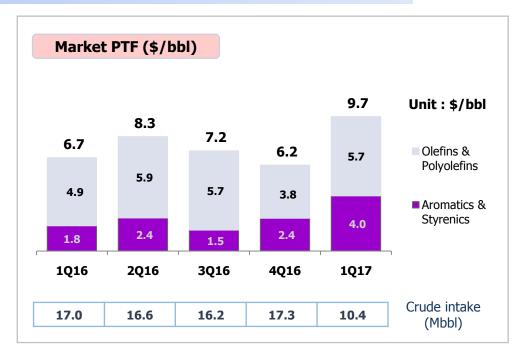
Remark: - Utilization rate calculated based on the main products

- volume excluded internal use

Petrochemical Group: Sales & PTF Low Sales volume but Superior MKT PTF per bbl







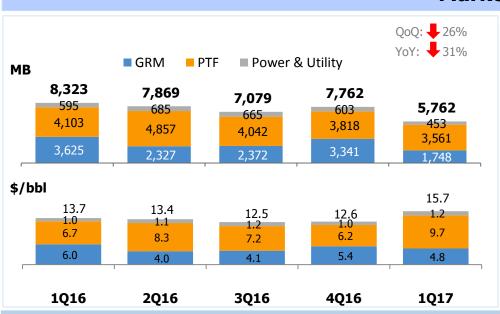


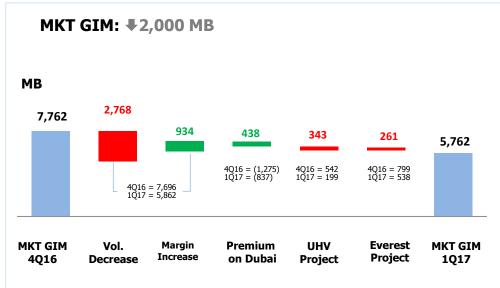
- 1Q17: Petrochemical revenue decreased 13% QoQ due to 30% volume decrease vs 17% avg. price increase
- Sales Proportion: 62% domestic and 38% export
- 1Q17 Market PTF was \$9.7/bbl, increased
 \$3.5/bbl from 4Q16 due to better product spread

Gross Integrated Margin (GIM)Volume decrease effect to GIM

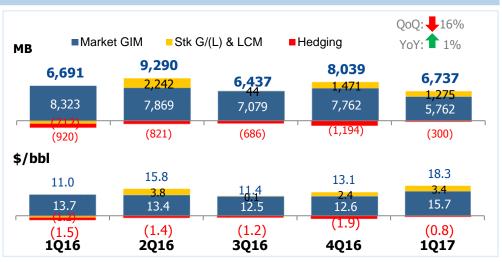


Market GIM





Accounting GIM



Market GIM

- Market GIM was 5,762 MB, lower by 2,000 MB, 26% QoQ
 - Volume decrease from TA
 - → margin increase & Premium on Dubai decrease

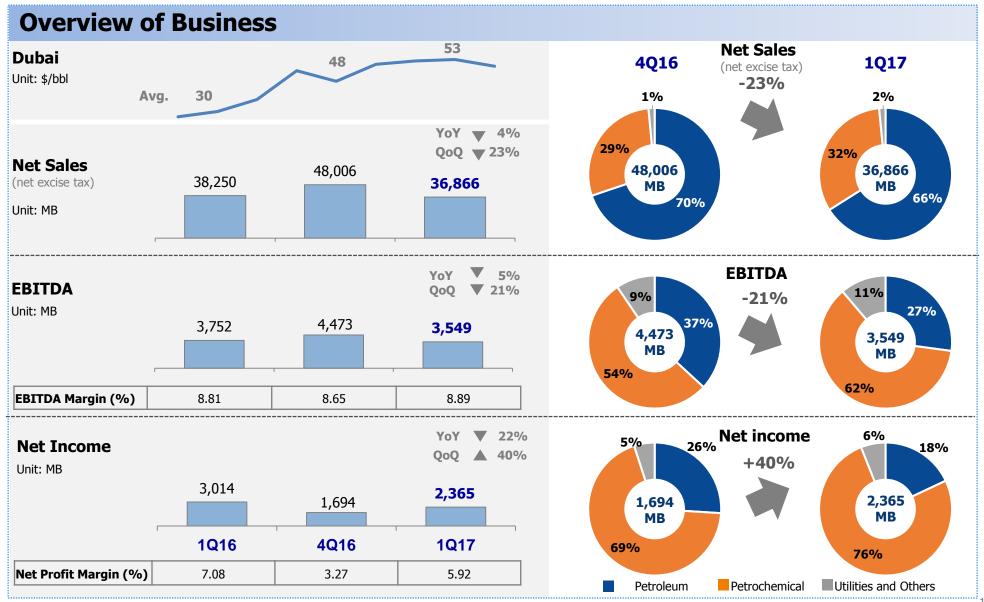
Accounting GIM

- Accounting GIM was 6,737 MB, lower by 16% QoQ due to a drop of market GIM
- QoQ Net stock gain (incl. hedging) was 975 MB (\$2.7/bbl), increased by 698 MB (\$2.2/bbl) compared to net stock gain of 277 MB in 4Q16 (\$0.5/bbl)

1Q17 Performance

Lower Sales & EBITDA from major turnaround

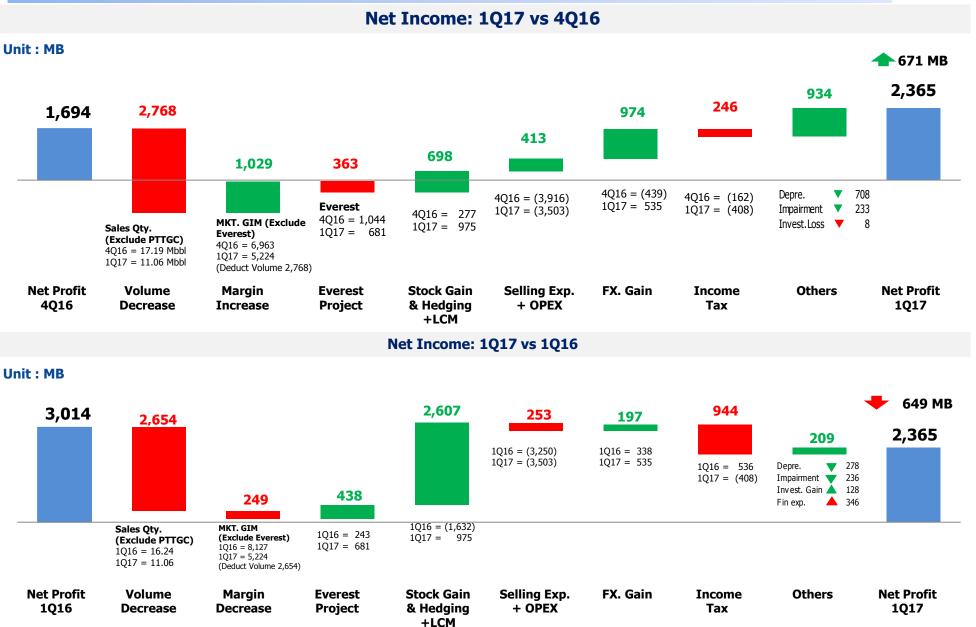




Notification of Net Income: 1Q17 vs 4Q16 & 1Q17 vs 1Q16

Volume decrease from major TA → lower NI, be offset by net stock gain & FX gain

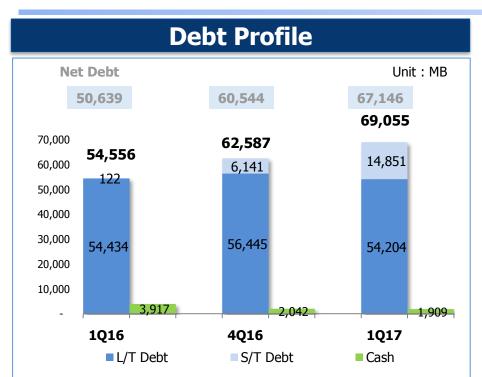




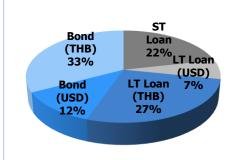
Debt Portfolio

2017 debt maturity secured by 8 year new loan and syndicated loan





Debt Structure



Debt					
	Curre	ency	MB		
ST Loan	THB		14,851		
LT Loan	USD	135	4,659		
LT Loan	THB		18,677		
Bond	USD	238	8,238		
Bond	THB		22,631		
Total		373	69,055		

Net Debt = 67,146 MB

x. Rate = 34.61 Baht	/\$
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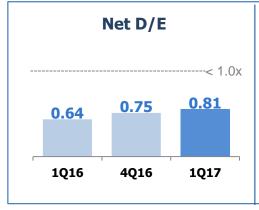
Interest Rate (%)			
Float	55		
Fixed	45		

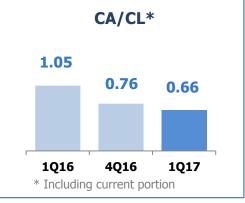
Currency (%)			
THB	70		
USD	30		

Maturity of Long-term Debt

Unit: MB 17,973 17,634 ■USD Bond 6,886 ■THB Bond 8,237 10,815 344 USD Loan 7,781 4,998 3,361 689 THB Loan 7,386 10,744 3,282 344 1.666 3,732 2,535 >2019 2017-4017 2018 2019

Financial Ratios





IRPC Strategic Roadmap to 2020

To capture benefits and growth after investment to reach 1st Quartile ROIC







Revenue Growth of 5% EBITDA Growth of 10%



Member of DJSI Emerging Markets Universe



1st Quartile ROIC in Petroleum & Petrochemical Industry



Operational Efficiency Improvement Asset Utilization Enhancement Product and Service Improvement Capacity and Products Expansion

Project Completion

Capacity	Before	After
CHP I		
- Electricity	108 MW	328 MW
- Steam	200 T/hr	620 T/hr
PRP	312 KTA	412 KTA
EBSM	200 KTA	260 KTA



Margin Improvement



- Operational Excellence
- · Commercial Excellence
- Procurement & HR Excellence

Benefit +134 MUSD



Incremental Margin Organization Health

- Capability Building
- Owner mindset & Performance Orientation
- Cultural Changes

Capacity	Before	After
Propylene (UHV)	412 KTA	732 KTA

Fully Integrated PP

Capacity	Before	After
PP	475 KTA	775 KTA
(DDF&DDC)	T/J KIA	//3 KIA









2020ROIC 14%

2017





2016





Thank You



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