

## ざS-OIL

## 3Q 2011 Corporate Performance

## Disclaimer

This presentation contains forward-looking statements that are based on our current expectation, assumptions, estimates and projections about S-OIL and the refinery industry. We caution you not to place undue reliance on any forwardlooking statement which may involve various risks and uncertainties.

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## 3Q 2011 Financial Result

Revenue

Operating Income

Decreased 3\% QoQ due to reduced sales volume by turnaround and lower ASP

- ASP: $1.5 \% \downarrow /$ Sales volume: $1.3 \% \downarrow$, QoQ

Increased 53\% QoQ due to stronger margin and disappearance of 2Q one-off factors such as retail price cut and FTC's penalty

- Singapore complex margin: \$3.5/bbl 2Q '11 $\rightarrow \$ 4.1 / \mathrm{bbl} 3 Q^{\prime} 11, \$ 0.6 / \mathrm{bbl} \uparrow$

Decreased 74 \% QoQ due to soaring W/\$ rate

- W/\$ rate: 1,078.1 (2Q '11 end) $\rightarrow$ 1,179.5 (3Q '11 end), $101.4 \uparrow$
(Unit: bil. Won)

|  | 3Q '11 | QoQ | 2Q '11 | 3Q '10 | 1~3Q '11 | YoY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| - Revenue | 7,806.6 | 2.7\% $\downarrow$ | 8,025.9 | 5,163.7 | 22,649.9 | 57.0\% $\uparrow$ |
| - Operating Income | 368.9 | 52.7\% $\uparrow$ | 241.6 | 199.8 | 1,258.0 | 167.0\%^ |
| (Margin) | (4.7\%) | - | (3.0\%) | (3.9\%) | (5.6\%) | - |
| - Net Finance Gain | -285.4 | - | 79.8 | 110.0 | -134.5 | - |
| - Net Interest Gain | -7.9 |  | -4.9 | 0.4 | -8.7 | - |
| - Net F/X Gain | -277.5 | - | 84.7 | 109.6 | -125.8 | - |
| - Equity Method Gain | -0.5 | - | 1.2 | 1.5 | 2.1 | - |
| - Income before Tax | 82.9 | 74.3\% $\downarrow$ | 322.6 | 311.2 | 1,125.6 | 130.3\%^ |

Financial Status


Financial Ratios

| (Unit: \%) | 3Q '11 | 2Q '11 | $\mathbf{1 \sim 3 Q}$ '11 | FY '10 |
| :--- | ---: | ---: | ---: | ---: |
| Return of Equity | 5.3 | 20.0 | 24.2 | 16.8 |
| ROCE | 3.0 | 13.6 | 16.7 | 13.4 |
| Net debt to equity | 65.3 | 65.2 | 65.3 | 38.2 |
| Net debt (bil. Won) | $3,198.6$ | $3,278.3$ | $3,198.6$ | $1,723.1$ |

## Capital Expenditure for 3Q '11

## Major projects

## 53.4 billion Won

Upgrade \& Maintenance 48.8 billion Won

Marketing investment
19.5 billion Won

| (Unit: bil. Won) |  |  |  |
| :---: | :---: | :---: | :---: |
|  | 3Q '11 | 1H '11 | FY'11 (Budget) |
| 1. Major projects | 53.4 | 98.2 | 149.8 |
| Onsan Refinery Expansion | 50.9 | 97.5 | 137.9 |
| New SPM Construction, and etc. | 2.5 | 0.7 | 11.9 |
| 2. Upgrade \& Maintenance | 48.8 | 42.4 | 146.1 |
| 3. Marketing Investment | 19.5 | 12.4 | 63.2 |
| 4. Acquisition of HK Silicon Equity | 0.0 | 265.0 | 265.0 |
| 5. Others (Including construction of HQs building) | 13.0 | 106.7 | 148.2 |
| Total | 134.7 | 524.7 | 772.3 |

* Depreciation: 247.1 bil. Won(E) (FY '11) vs. 188.7 bil. Won (FY '10)


## Major Business Index

## Utilization Rate

|  | Capacity | 3Q '11 | 2Q'11 | 1Q '11 |
| :--- | ---: | ---: | ---: | ---: |
| CDU | 669.0 | 86.2 | $* 98.1$ | 95.8 |
| HYC FH | 76.5 | 100.0 | 100.5 | 100.3 |
| RFCC | 73.0 | 100.5 | 100.5 | 100.5 |
| Lube Plants | 38.0 | 102.3 | 94.8 | 102.1 |
| PX Center | 34.7 | 91.4 | $* 93.8$ | 102.6 |

*Weighted average reflecting commercial operation of new plants from mid-April

## Turnaround

| Time | Units |
| :---: | :---: |
| $1 Q$ | \#1 RHDS |
| $2 Q$ | Lube Plants (1 ${ }^{\text {st }} \& 2^{\text {nd }}$ HDT) |
| 3Q | \#2 CDU, \#2 RHDS, \#1 Aromatics Complex |
| $4 Q$ | \#1 RHDS |

## Sales Breakdown

Expanded export into Europe to take advantage of FTA with EU launched from July


## Performance by Business Segment helomusuce by Rnalueze 2eवmeur

## Financial Result by Business Segment

| Revenue |  |  |  |  |  |
| :--- | ---: | :---: | ---: | ---: | ---: |
|  |  |  |  |  |  |
|  | 3Q '11 | QoQ | 2Q '11 | 3Q '10 | YoY |
| Refining | $6,188.6$ | $5.0 \% \downarrow$ | $6,513.7$ | $4,324.4$ | $43.1 \% \uparrow$ |
| Petrochem | 923.3 | $0.8 \% \uparrow$ | 915.6 | 358.4 | $157.6 \% \uparrow$ |
| Lube | 694.7 | $16.5 \% \uparrow$ | 596.6 | 480.9 | $44.5 \% \uparrow$ |
| Total | $7,806.6$ | $2.7 \% \downarrow$ | $8,025.9$ | $5,163.7$ | $51.2 \% \uparrow$ |

## Operating Income

(Unit: bil. Won)

|  | 3Q '11 | QoQ | 2Q'11 | 3Q'10 | YoY |
| :---: | ---: | :---: | ---: | ---: | :---: |
| Refining | 15.8 | - | -14.1 | 88.4 | $82.1 \% \downarrow$ |
| (Margin) | $(0.3 \%)$ |  | $(-0.2 \%)$ | $(2.0 \%)$ |  |
| Petrochem | 133.9 | $73.3 \% \uparrow$ | 77.2 | -2.5 | - |
| (Margin) | $(14.5 \%)$ |  | $(8.4 \%)$ | $(-0.7 \%)$ |  |
| Lube | 219.2 | $22.8 \% \uparrow$ | 178.5 | 113.9 | $92.6 \% \uparrow$ |
| (Margin) | $(31.6 \%)$ |  | $(29.9 \%)$ | $(23.7 \%)$ |  |
| Total | 368.9 | $52.7 \% \uparrow$ | 241.6 | 199.8 | $84.7 \% \uparrow$ |
| (Margin) | $(4.7 \%)$ |  | $\mathbf{( 3 . 0 \% )}$ | $\mathbf{( 3 . 9 \% )}$ |  |

$\square$ Refining $\square$ Petrochem ■ube


## Refining Business

## Market

Complex margin rose due to improved spreads of gasoline and fuel oil driven by tight supply


| Product/Dubai Spread |  |  | (Unit: \$/bbl) |
| :--- | ---: | ---: | ---: |
|  | 3Q '11 | 2Q '11 | 3Q '10 |
| Dubai crude | 107.1 | 110.6 | 73.9 |
| Gasoline | 14.6 | 11.7 | 6.7 |
| Jet/Kero | 18.7 | 20.4 | 12.9 |
| Diesel | 17.6 | 19.4 | 12.4 |
| Naphtha | -2.3 | -1.9 | -0.9 |
| HSFO 380 | -5.9 | -9.5 | -5.4 |

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## Company

Maximized sales volume to capture healthy margin despite sizable turnaround

Increase of jet sales to capitalize seasonal travel demand pick-up

- Sales volume

| (Unit: $k$ bpd) | 3Q '11 | 2Q'11 | QoQ |
| :--- | ---: | ---: | :--- |
| Jet | 108 | 102 | $6.4 \% \uparrow$ |



## Petrochemical \& Lube Business

## Market

## Petrochemical

Spread slightly contracted, but showed monthly upward trend due to improved supply-demand balance


Lube
Spread further expanded thanks to sustained healthy demand


## Company

Maximized PX sales through full operation of \#2 PX plant despite turnaround of \#1 PX plant

Sales volume

| (Unit: bpd) | 3Q'11 | 2Q'11 | QoQ |
| :--- | ---: | ---: | ---: |
| P-X | 32,532 | 32,706 | $0.5 \% \downarrow$ |
| Benzene | 9,331 | 7,991 | $16.8 \% \uparrow$ |
| Propylene | 7,107 | 7,171 | $0.9 \% \downarrow$ |
| Total | $\mathbf{4 8 , 9 7 1}$ | $\mathbf{4 7 , 8 6 8}$ | $\mathbf{2 . 3} \% \uparrow$ |

Fully benefited strong margin by increasing sales
Sales volume

| (Unit: bpd) | 3Q '11 | 2Q'11 | QoQ |
| :--- | ---: | ---: | ---: |
| Group II | 9,513 | 7,781 | $22.3 \% \uparrow$ |
| Group III | 25,174 | 23,333 | $7.9 \% \uparrow$ |
| Total | $\mathbf{3 9 , 4 4 7}$ | $\mathbf{3 5 , 7 7 8}$ | $\mathbf{1 0 . 3 \%} \uparrow$ |
| ※ Lube sales volume includes by-products. |  |  |  |



## 4Q 2011 Industry Outlook 

## 4Q 2011 Outlook - Refining*

Sustained strong margin: Demand growth outpacing supply increase
Demand change: (+) 836 (Stronger quarterly growth of all products excepting gasoline)

- Kero \& Jet: $\quad(+) 434$ (Japan $302 \uparrow$, S.Korea $66 \uparrow$ ) \& Diesel: (+) 355 (India 160 $\uparrow$, China $48 \uparrow$ )
- Stronger heating purpose consumption and sustainable regional economic growth
- Gasoline: (-) 24 (Japan $87 \downarrow$, China $50 \uparrow$ )
- Weaker gasoline demand from Japan \& S.Korea in winter season offset by steady consumption from China

Supply change: (+) 572

- Capacity Addition 183 \& Closure 50 :
(+) 102
- Higher operation rate (Restart of Formosa \& Shell, etc.):
(+) 470

Asia QoQ Demand Change


Asia 4Q Capacity Addition/Closure

|  | Addition | Closure |
| :---: | ---: | ---: |
| China | 183 | 50 |
| Others | - | - |
| Total | 183 | 50 |

* Demand forecast is based on 7 major Asia countries (Australia, China, India, Japan, S.Korea, Taiwan, Thailand)

Source: FACTS, The Company

## 4Q 2011 Outlook - Petrochemical \& Lube

## Petrochemical

PX : Continued favorable market due to demand growth outpacing supply increase

- Demand : Continuous increase from consistent PTA capacity expansion
- QoQ incremental demand : 125 k ton $\uparrow(3 \mathrm{Q}) \quad \rightarrow \quad 127 \mathrm{k}$ ton $\uparrow(4 \mathrm{Q})$
- PTA capacity increase in 4Q : 445 k tpa (Samsung Petrochemical 200 k tpa, Capco 200 k tpa and etc.)
- Supply : Small size of increase with no capacity expansion of PX
- QoQ incremental production : 31 k ton $\uparrow(3 \mathrm{Q}) \quad \rightarrow \quad 96 \mathrm{k}$ ton $\uparrow(4 \mathrm{Q})$

Benzene : Challenging market on the back of limited demand growth and plants' restart up from T/A

- Demand : Lackluster increase due to weak demand from sluggish phenol industry
- QoQ incremental demand : 483 k ton $\uparrow(3 \mathrm{Q}) \quad \rightarrow \quad 176 \mathrm{k}$ ton $\uparrow(4 \mathrm{Q})$
- Supply : Larger quarterly increase due to completion of sizable maintenance around the region
- QoQ incremental production : 128 k ton $\uparrow(3 \mathrm{Q}) \quad \rightarrow \quad 228 \mathrm{k}$ ton $\uparrow(4 \mathrm{Q})$


## Lube

Tight market is expected to be soften due to considerable supply increase

- Group III: Sizable supply increase from new capacities in M.East and slower demand growth in US and Europe
- Group II: Sustainable demand growth in Asia offset by supply increase from China


## USTSOIL

Thank You!


[^0]:    Source: Platt's, P\&G, The Company

