

Year-To-Date and Quarter 2 Ended 30 June 2012



### **EMBARGO**



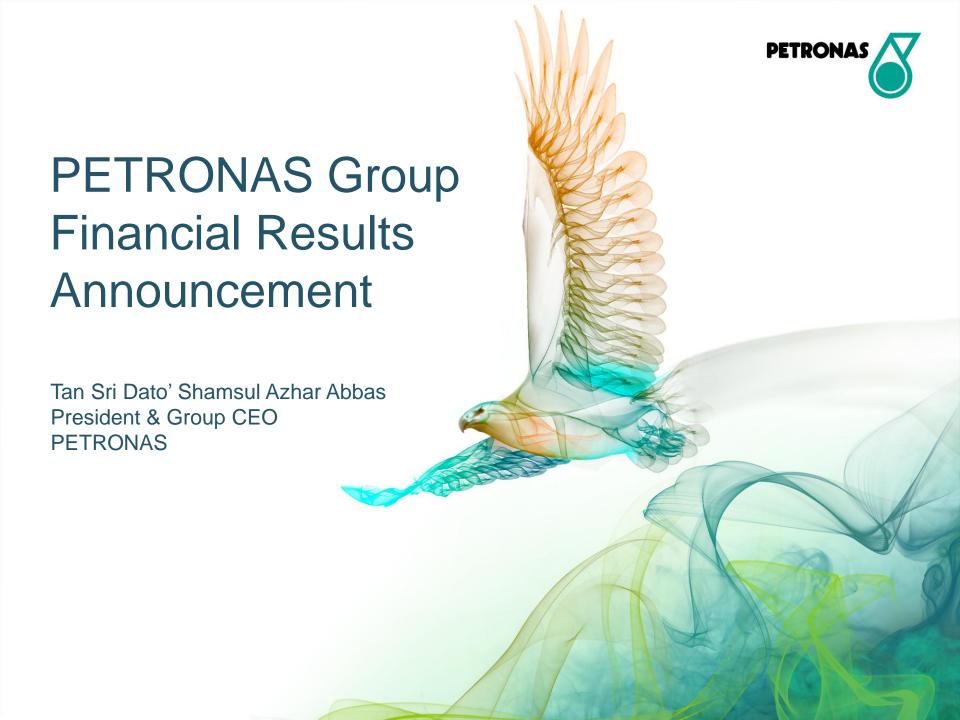
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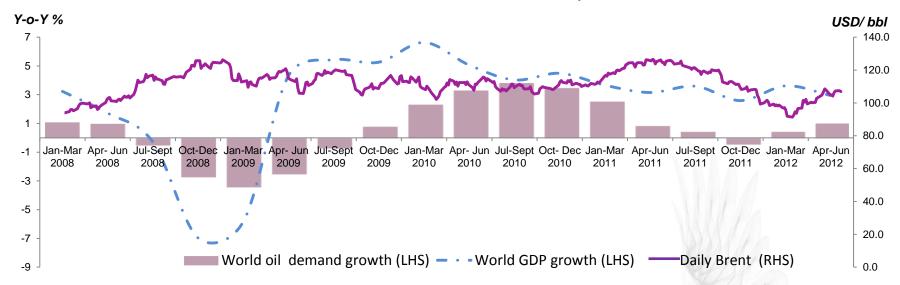
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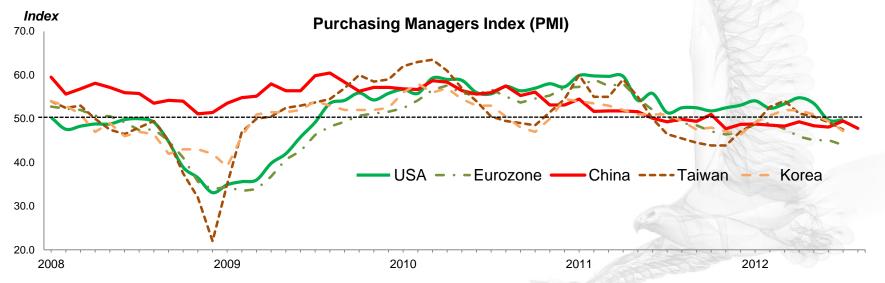
#### Reimagining Energy™



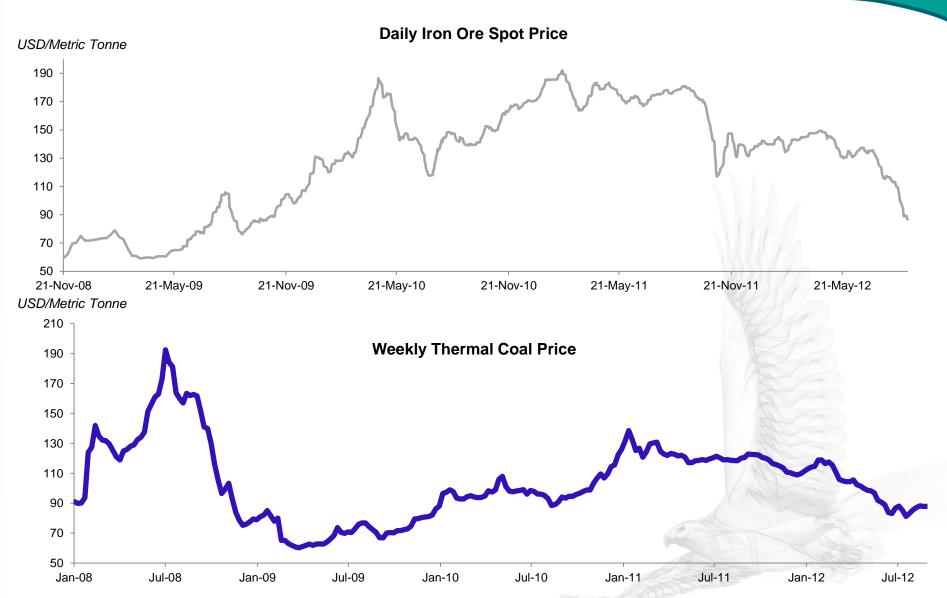


#### World GDP Growth, World Oil Demand Growth & Daily Brent Prices









Notes: The Iron Ore price is based on Steel Index's price for 62 percent-grade iron ore to China, Thermal coal price is based on the Australian thermal coal price Sources: Bloomberg, Reuters

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#### Performance Headwinds



Q2			RM billion YT		YTD	TD	
CY 2011	FY 2012	+/- (%)	Key Financial Indicators	CY 2011	FY 2012	+/- (%)	
72.9	70.7	(3.0)	Revenue	138.6	145.9	5.3	
30.9	22.7	(26.5)	Net Profit Before Taxation	51.7	52.7	1.9	
21.7	15.2	(30.0)	Net Profit After Taxation (NPAT)	34.5	36.0	4.3	
42.4%	37.5%	n/a	Gross Profit Margin	42.8%	41.1%	n/a	
29.8%	21.5%	n/a	NPAT Margin	24.9%	24.7%	n/a	

RM billion  Financial Position Highlights	31 Dec 2011	30 Jun 2012	+/- (%)
Property, Plant & Equipment	205.6	216.8	5.4
Total Assets	475.1	493.3	3.8
Shareholders' Funds	286.9	289.6	0.9
Return on Total Assets <sup>1</sup> (%)	13.3%	14.0%	n/a
Return on Average Capital Employed <sup>2</sup> (%)	20.4%	20.0%	n/a
Gearing (%)	15.5%	13.3%	n/a

- Depleting domestic production
- Rising cost = Shrinking pieLower PETRONASentitlement (Deepwater & EOR)
- Ensuring security of supply for Malaysia's energy requirement
- Maintaining Operational Excellence
- Intensified asset integrity & maintenance of ageing facilities
- Effective ReservoirManagement
- Halt in South Sudan production



## TNB wants to be compensated in full

"We have discussed this fuel-cost pass through mechanism that we are pursuing with the Government. These are major concerns that I will still pursue in collaboration with the relevant ministries to ensure that we get

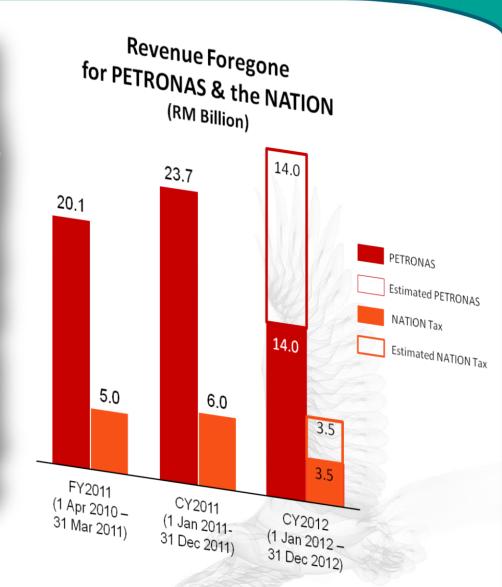
full compensation, not just a third from the Government and one-third

Petroliam Nasional Bhd (PETRONAS),

but full compensation for fuel cost

pass through."

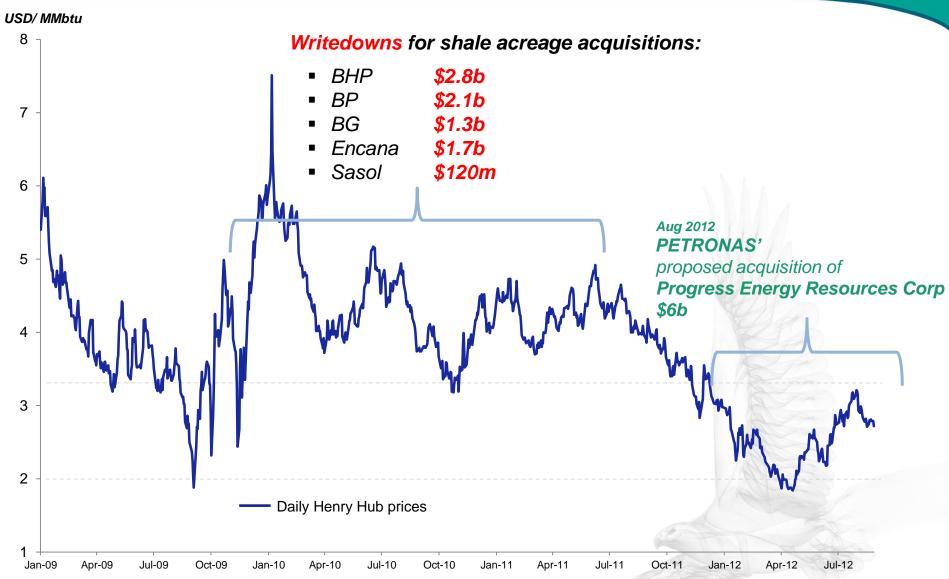
TNB CEO Azman Mohd, The Star, 20 July 2012



#### WRITEDOWNS FOR SHALE GAS ACREAGE IN NORTH AMERICAN CONTINENT



### Softened Henry Hub prices – Window of Opportunity



Note: Writedowns in US Dollars based on after tax basis, except for BHP's Sources: IHS CERA, Bloomberg, Wall Street Journal, Corporate websites, Team Analysis





South Sudan - Halt in production

Shrinking pie - Lower entitlement volume in foreseeable future – EOR & Deepwater PSCs

Asset integrity & Infrastructure Maintenance

Aging legacy domestic fields

# PRODUCTION REPLENISHMENT & GROWTH STRATEGY

Mergers & Acquisition (International)

Aggressive Exploration

Sweating existing assets - EOR

Monetising high CO<sub>2</sub> field

Unlocking marginal fields - RSC

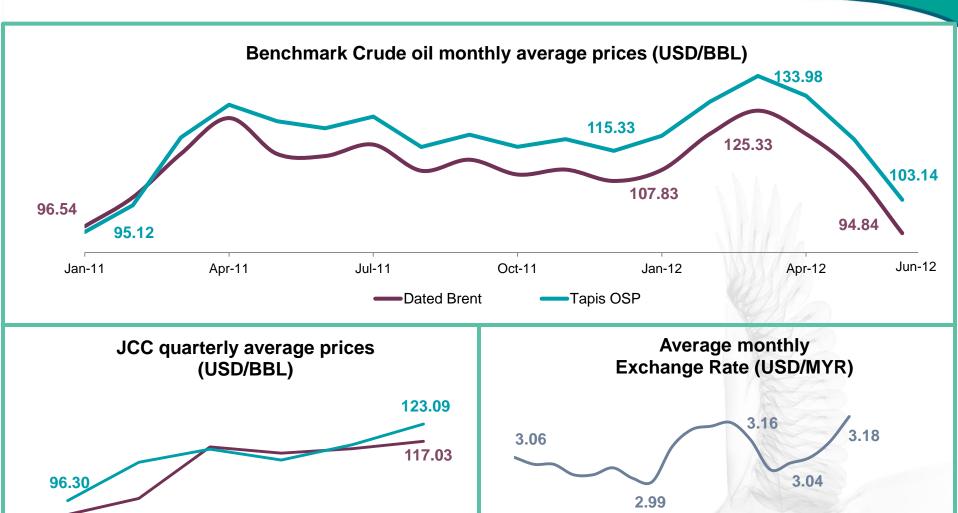




91.49

Mar-11





Dec-11

Mar-12

3 months rolling

Jun-12

Jan-11

Apr-11

Sep-11

Jun-11

Single month

Jan-12

Apr-12 Jun-12

Jul-11

Oct-11

### Performance affected by product prices and Sudan shutdown...



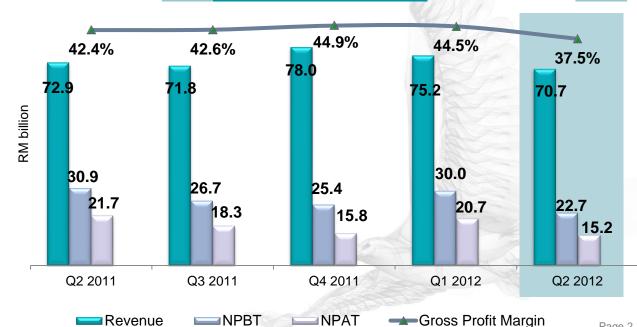
### ■ Revenue (↑ 5%):

- Favourable product prices in Q1, amidst production challenges and lower prices in Q2;
- Higher petrochemical volume; and
- Favourable exchange rate impact.

### ■ NPAT (↑ 4%):

- Higher profits on the back of higher revenue; and
- Gain on disposal of investments.

Q2				RM billion	YTD		
	CY 2011	FY 2012	+/- (%)	Key Financial Indicators	CY 2011	FY 2012	+/- (%)
	72.9	70.7	(3.0)	Revenue	138.6	145.9	5.3
	30.9	22.7	(26.5)	Net Profit Before Taxation (NPBT)	51.7	52.7	1.9
	21.7	15.2	(30.0)	Net Profit After Taxation (NPAT)	34.5	36.0	4.3
	42.4%	37.5%	n/a	Gross Profit Margin	42.8%	41.1%	n/a
	29.8%	21.5%	n/a	NPAT Margin	24.9%	24.7%	n/a



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#### Gross Revenue and NOPAT affected by product prices and Sudan shutdown...

### ■ Gross Revenue (↑ 5%):

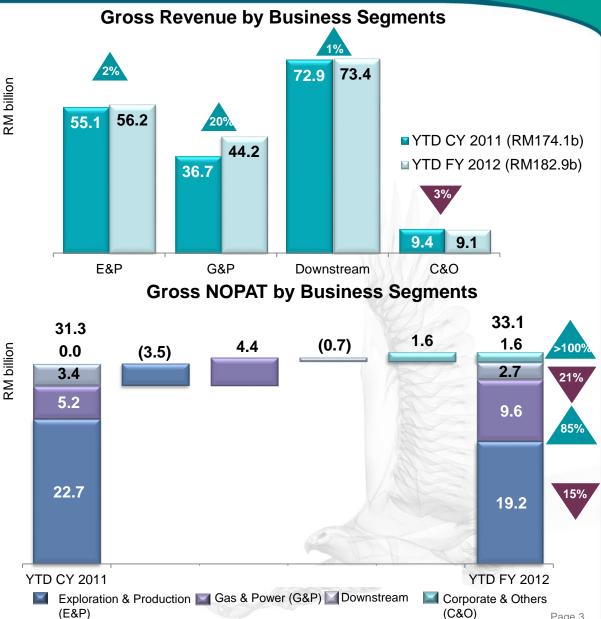
Favourable product prices in Q1, amidst production challenges and lower prices in Q2.

### • Gross NOPAT (个 6%):

- E&P ( $\downarrow$  15%) operational challenges including stop production instructions for Sudan operations:
- G&P (个 85%) higher realised LNG prices;
- Downstream (↓ 21%) declining trend of crude oil and petroleum product prices in Q2; and
- C&O (↑ >100%) higher fund investments income.

#### Notes:

- NOPAT: Net Profit After Tax excluding financing cost, share of profits of associates and jointly controlled entities and other non-operating income and expenses
- Gross Revenue and Gross NOPAT include both third party and inter-segment transactions

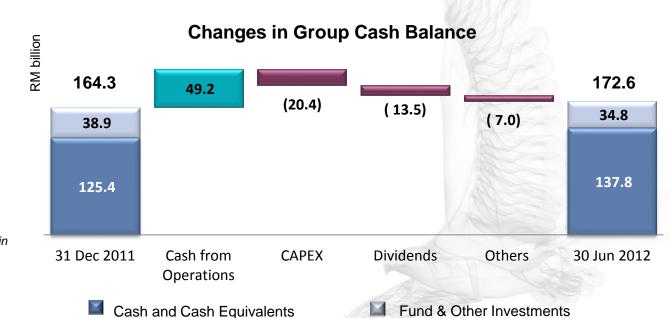


### Financial Position remains strong

PETRONAS

- Total Assets ↑ 3.8% driven by better performance.
- ROTA<sup>1</sup> & ROACE<sup>2</sup> are at 14.0% and 20.0% respectively.
- Group Cash Balance ended higher at RM172.6b, an increase of RM8.3b.
- CAPEX spending of RM20.4b were mainly for E&P.

RM billion Financial Position Highlights	31 Dec 2011	30 Jun 2012	+/- (%)
Property, Plant & Equipment	205.6	216.8	5.4
Total Assets	475.1	493.3	3.8
Shareholders' Funds	286.9	289.6	0.9
Return on Total Assets (ROTA) <sup>1</sup> (%)	13.3%	14.0%	n/a
Return on Average Capital Employed (ROACE) <sup>2</sup> (%)	20.4%	20.0%	n/a
Gearing (%)	15.5%	13.3%	n/a



<sup>&</sup>lt;sup>1</sup>ROTA: Based on annualised NPAT excluding gain on disposal of PETRONAS Group's stake in Centrica, APA Group, Proton and 5.2% Gas Malaysia disposal

<sup>&</sup>lt;sup>2</sup>ROACE calculated based on annualised NOPAT divided by the average shareholders' equity and long term debt during the period/ year.





#### **Q2 FY2012 HIGHLIGHTS**

- 4 successful discoveries –
   Duyong Shallow, Kuang North-1, Zuhal East-2
   & M5-2, all in Malaysia
- 6 First Oil/Gas –
   2 in Malaysia (Kumang East 1 & SFCS Phase 2),
   1 each in Iraq Halfaya, Canada Montney, Egypt WDDM Phase 8b & JDA Suriya B
- Concluded 5 PSCs
- Awarded 2 new blocks onshore Myanmar
   RSF 2 & RSF3
- Signed 3<sup>rd</sup> Risk Service Contract for Kapal, Banang and Meranti fields with Coastal Energy Company
- Signed Gas Sales Agreement for Kepodang and Ketapang, Indonesia

### **GROWTH IMPERATIVES**

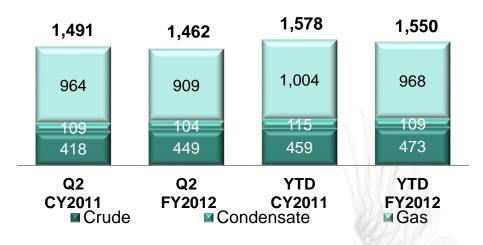


- Pursue a 3.5% CAGR production growth over 5 years
- Resource Replenishment Ratio > 1 on a 3 year rolling average
- Maximise value creation within Malaysia
- High grade asset portfolio
- Anchor capability building on EOR & CO<sub>2</sub> development
- Explore new play types

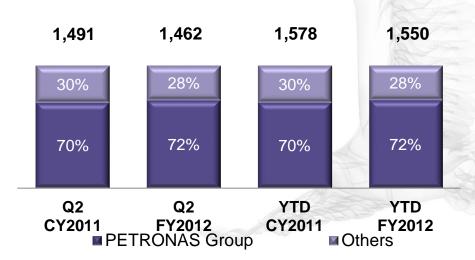


- Malaysia's crude production was higher mainly due to:
  - Production enhancement initiatives;
  - New production from Peninsular Malaysia (East Piatu and Sepat); and
  - Better well performance
- Offset by lower gas production mainly due to operational issues and planned shutdown in Sarawak.

### Malaysia Production by Hydrocarbon Type (kboe/d)



### PETRONAS Group Entitlement % (kboe/d)





### Crude (↓ 58%):

 Lower YTD production mainly due to stop order instructions in South Sudan following the geo-political crisis.

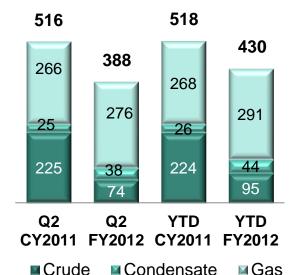
### Gas and Condensate (个 14%):

 Higher YTD production mainly due to new production coming on stream from Turkmenistan.

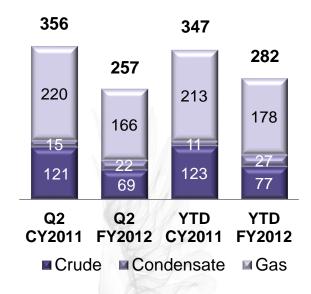
### Entitlement (↓ 19%):

 Lower entitlement mainly due to cessation of Sudan production.

### International Production by Hydrocarbon Type (kboe/d)



### International Entitlement by Hydrocarbon Type



Top Producing Countries/ Area	YTD CY2011	YTD FY2012	+/-
Egypt	127	124	(2%)
MTJDA	104	103	(1%)
Turkmenistan	6	50	>100%
Chad	41	37	(10%)
Indonesia	31	34	10%
Sudan	153	30	(80%)





### **Q2 2012 HIGHLIGHTS**

- Entered agreement to acquire Progress Energy Resources
   Corporation subject to relevant regulatory approvals
- Awarded EPCC for PETRONAS Floating LNG 1 in June 2012, target completion by 2015
- Awarded Dual FEED for PETRONAS Floating LNG 2 in June 2012
- Divested 17% in APA Group
- Achieved FID and awarded EPCC for Solar Power Plant in Gebeng
- Signed short term LNG Sales Purchase Agreement with Statoil
   ASA for supply of LNG to Malaysia
- Signed Gas Sales Agreement (GSA) with Maegma Steel HRC Sdn
   Bhd for the supply of 57mmscfd of gas for 15years beginning 2016
   at LNG-based price
- Renewal of GSA with Gas Malaysia Bhd for another 10 years from 1<sup>st</sup> January 2013 which includes the supply of additional gas volume of up to 192 mmscfd at LNG-based price



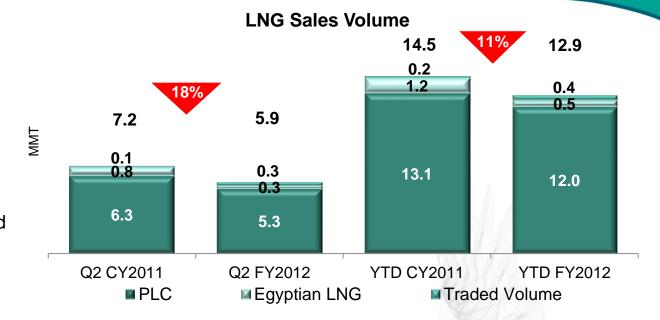


- Secure supply and maximise value of gas for Malaysia
- Strengthen and growLNG position in AsiaPacific & Atlantic
- Establish and grow energy trading in Europe
- Pursue and develop
   Power Business in
   Malaysia & Emerging
   Markets

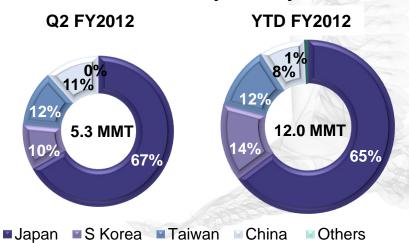


### LNG (↓ 11%):

- Lower LNG sales volume was mainly due to lower production from the PETRONAS LNG Complex ("PLC") in Bintulu, Sarawak attributed to scheduled plant turnaround as well as lower entitlement volume from operations in Egypt.
- Exports of LNG from PLC were mostly shipped to Japan, South Korea & Taiwan.



### PETRONAS LNG Complex (PLC) % sales by country

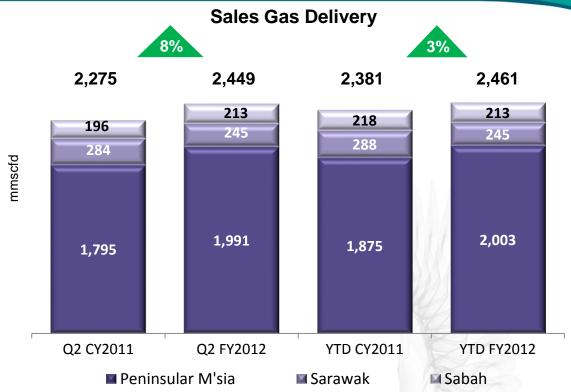




### Sales Gas (↑ 3%):

 Higher average sales gas delivery mainly from higher delivery to customers in Peninsular Malaysia resulting from higher domestic feedgas supply through Kertih and from Malaysia-Thailand Joint Development Area (MTJDA).

 PETRONAS Gas Berhad continues to maintain world-class reliability levels for its GPP and PGU pipeline.



Reliability Level	Q2		YTD		
Attained (%)	CY2011	FY2012	CY2011	FY2012	
GPP	99.70	99.99	99.85	99.99	
PGU	99.99	99.95	99.97	99.98	





#### **Q2 2012 HIGHLIGHTS**

- Launching of Project RAPID by DYMM Sultan of Johor on 13<sup>th</sup> May 2012
- Project RAPID signed:
  - Heads of Agreement with Itochu on 18<sup>th</sup> May 2012 for C2 Chain & C3 Polymer;
  - Heads of Agreement with PTTGC & Itochu on 18<sup>th</sup> May 2012 for C2 & C3 derivatives; and
  - License, FEED, Engineering & Technical
     Services Agreement with LUMMUS Technology
     Inc. for Steam Cracker Complex in June 2012.
- Awarded FEED contracts for PSR-1, MG3 and HPU-3 as part of PSR-1/MG3 Retrofit Project



- Strengthen presence and pursue opportunistic growth in selected markets
- High grade asset portfolio
- Grow refining and petrochemical capacity and product range
- Build global trading and marketing portfolio



### Petrochemical Products (个 6%):

 YTD volume increased mainly due to better plant performance

### Crude (↓ 10%):

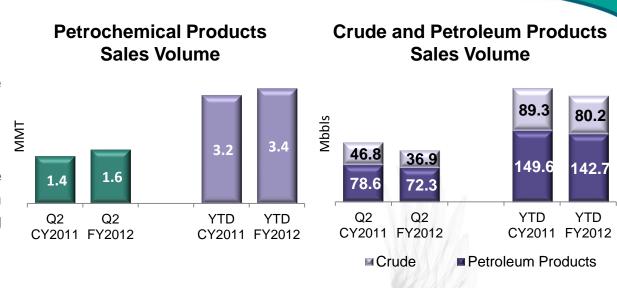
 YTD volume decreased mainly due to persisting geopolitical issues in Sudan and also lower crude trading activities

### Petroleum Products (↓ 5%):

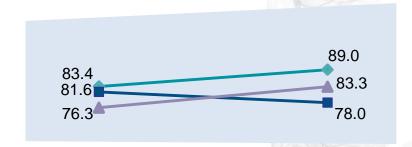
 YTD volume decreased mainly due to lower market demand affected by the continuous high price environment

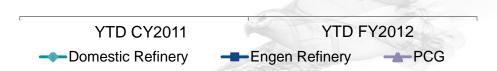
### Domestic refineries and PCG Plants performance:

 Improved performance mainly due to lower internal shutdowns and slowdowns



#### Plant Utilisation (%)





Peer comparison based on Average Asia-Pacific Refinery Utilisation Range (FACTS)

