



www.pttep.com

The Perspective of NOC on Global Energy Supply and Demand for Petroleum

PTT Exploration and Production Plc.

10 March 2008

New Zealand

Presented by Mr. Maroot Mrigadat, President



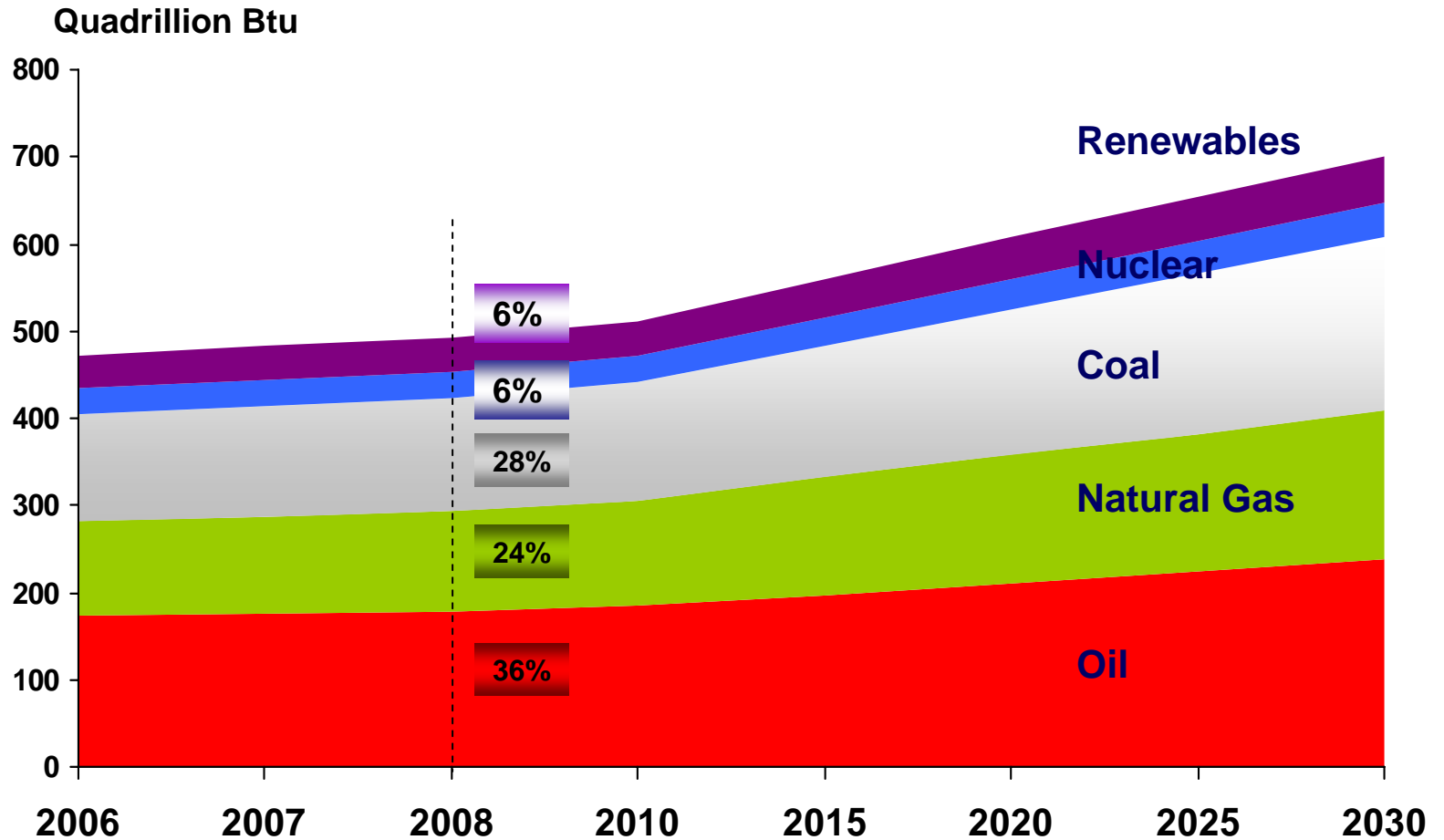


Contents

- 1. Energy Consumption Overview**
- 2. National Oil Company- PTTEP**
- 3. PTTEP in New Zealand**
- 4. Conclusions**



Global Energy Use by Fuel Type

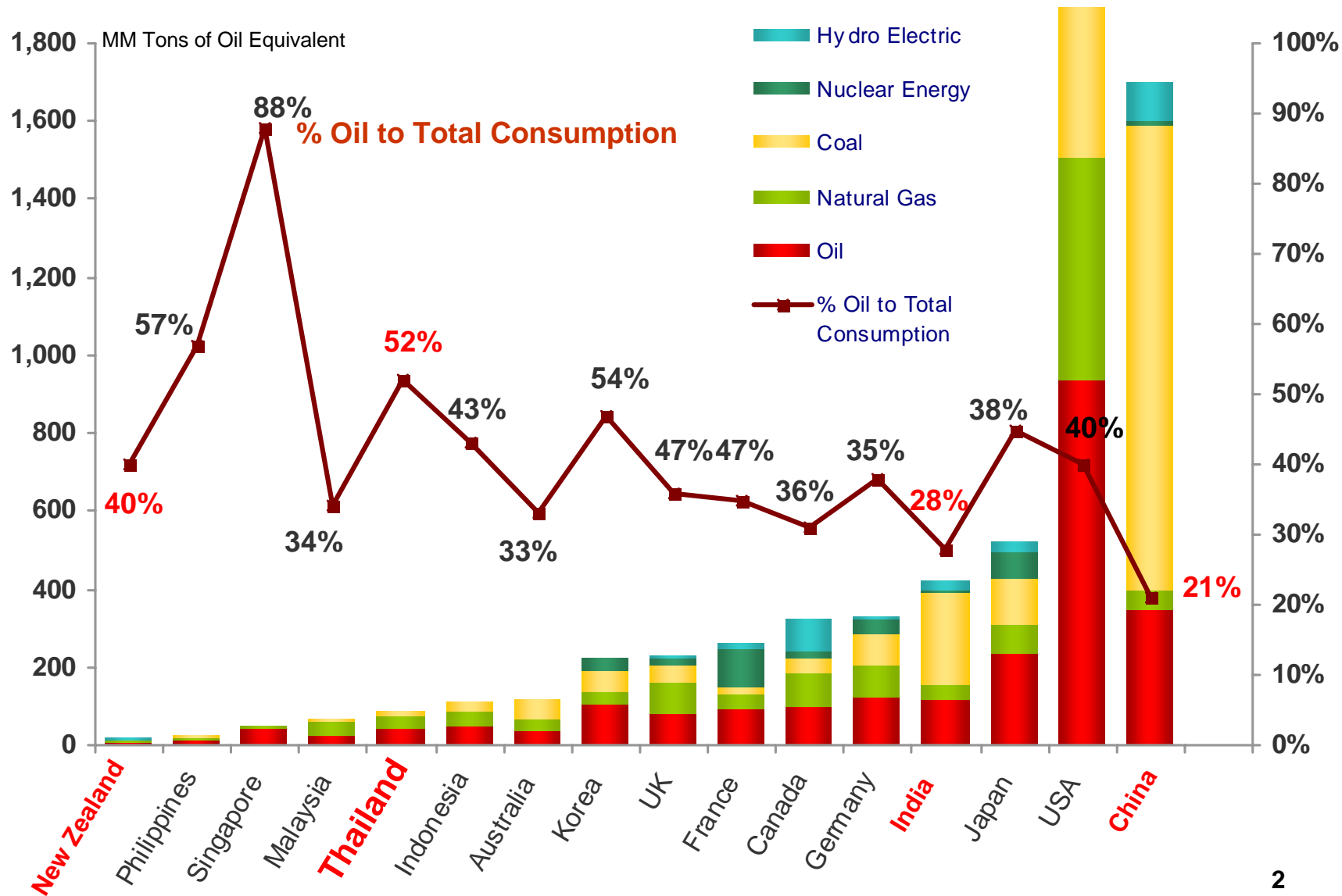


Source : Energy Information Administration (EIA), May 2007



Global Energy Consumption Comparison

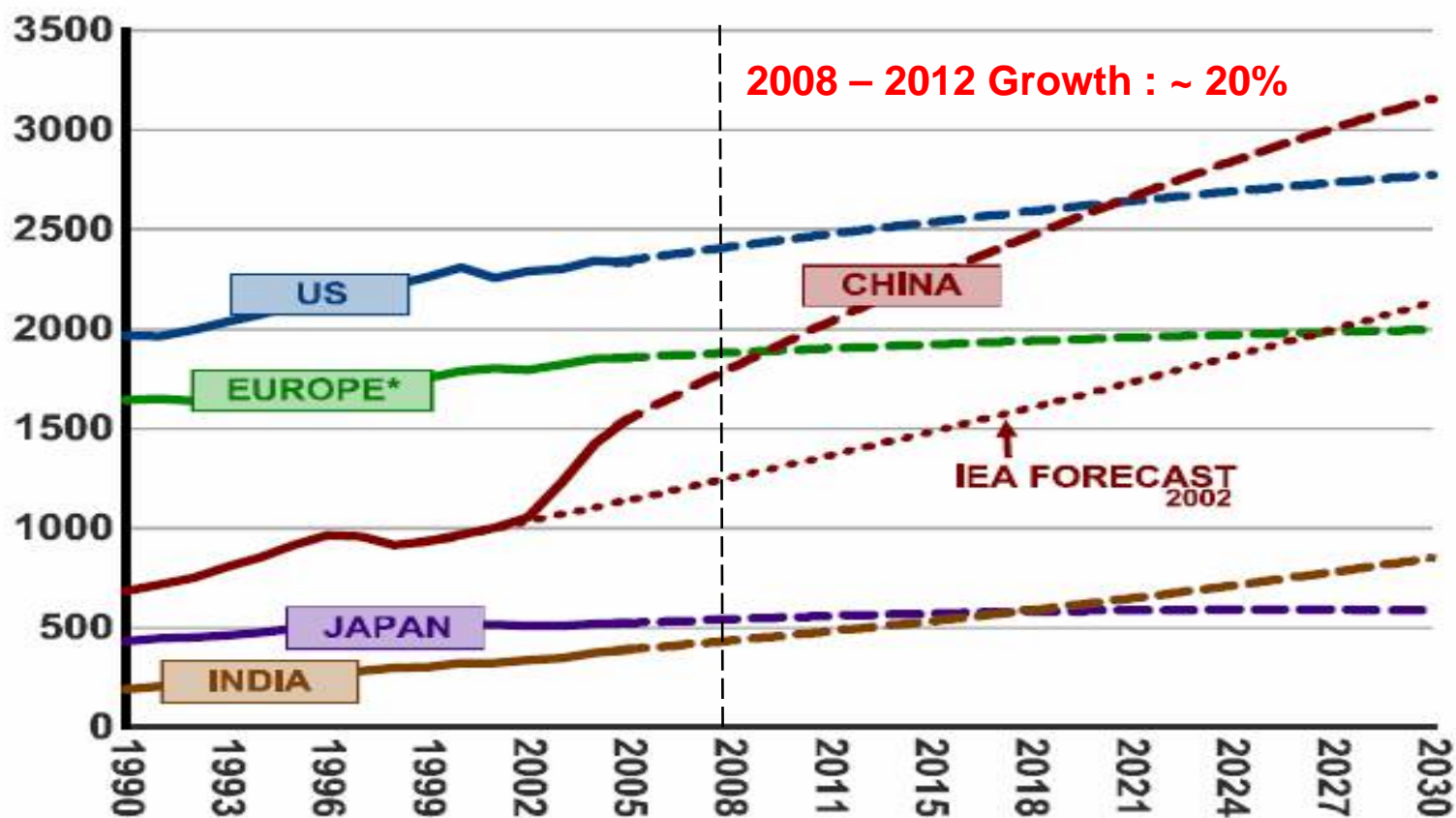
Source : BP Statistic Review of World Energy, June 2007





Global Energy Demand Forecasts

Figure 4: Energy Demand Forecasts (mtoe)

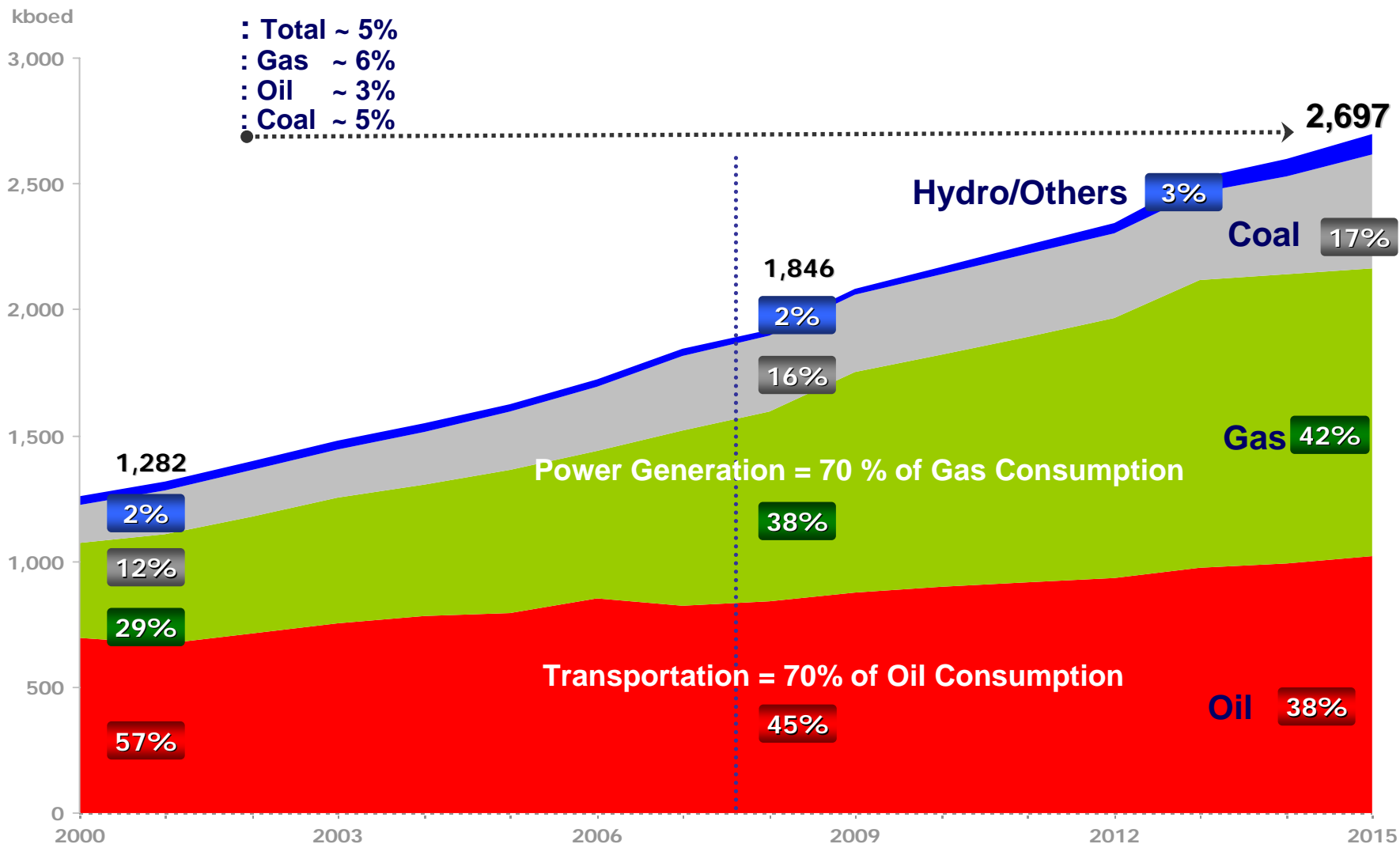


Source: BP Statistical Yearbook 2006, IEA WEO 2002, IEA WEO 2006. Excludes biomass and waste. *Europe refers to OECD Europe.



Thailand Energy Consumption

Energy Consumption Forecast (CAGR during 2007-2015)





Contents

1. Energy Consumption Overview
- 2. National Oil Company- PTTEP**
3. PTTEP in New Zealand
4. Conclusions



PTT Group Structure : NOC of Thailand

PTT Public Company Limited

Ministry of Finance 52%
Vayupak Fund
(Government) 15%

E&P

Gas

Oil

Refining

Petrochemical

• **PTTEP**

PTT
MOF

66%
0.01%

- Gas Pipeline
- Supply / Marketing
- Gas Separation Plant

- Oil Marketing
- Oil Trading

- TOP 49%
- PTT AR 49%
- SPRC 36%
- BCP 30%
- IRPC 32%

- PTTCH 55%

MOF = Ministry of Finance

TOP = Thai Oil Plc.

PTT AR = PTT Aromatics and Refining Plc.

SPRC = Star Petroleum Refining Co.,Ltd.

BCP = Bangchak Petroleum Plc.

PTTCH = PTT Chemical Plc.



PTTEP - Thai Premier Company

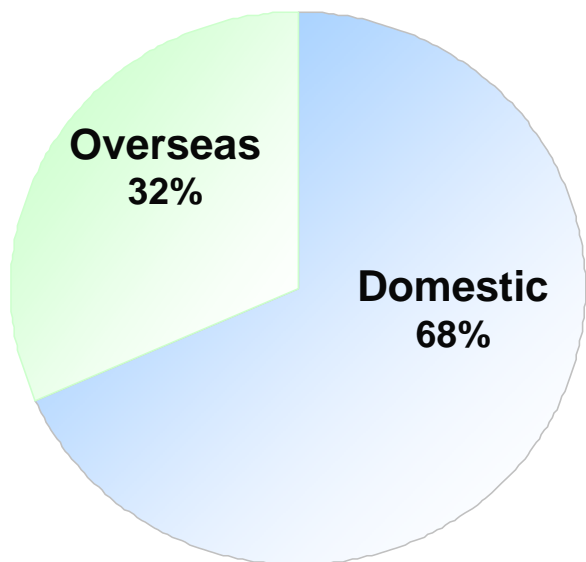
- **PTTEP established in 1985 as a State Enterprise, PTT as major shareholder at 65.73%**
(PTT established in 1978, the largest Market Cap ~US\$ 29 billion)
- **Second Largest Market Cap. on Thai Stock Exchange (~US\$ 16 billion)**
- **Worldwide Operation with 38 Projects in 14 Countries**
- **5-year Sales Volume Growth of 7 % p.a. with 2008 Target Sales Volume at 223,000 BOED**
- **Awarded 2006 excellent CG Report from Thai Stock Exchange (4th consecutive year)**



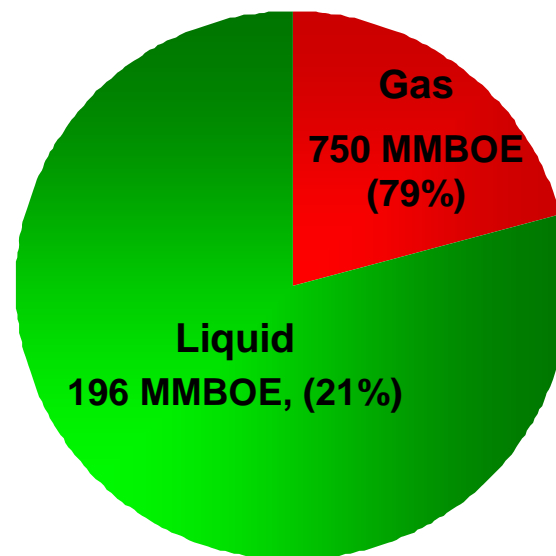
PTTEP Reserve Distribution

2007 Proved Reserves = 946 MMBOE

By Geography

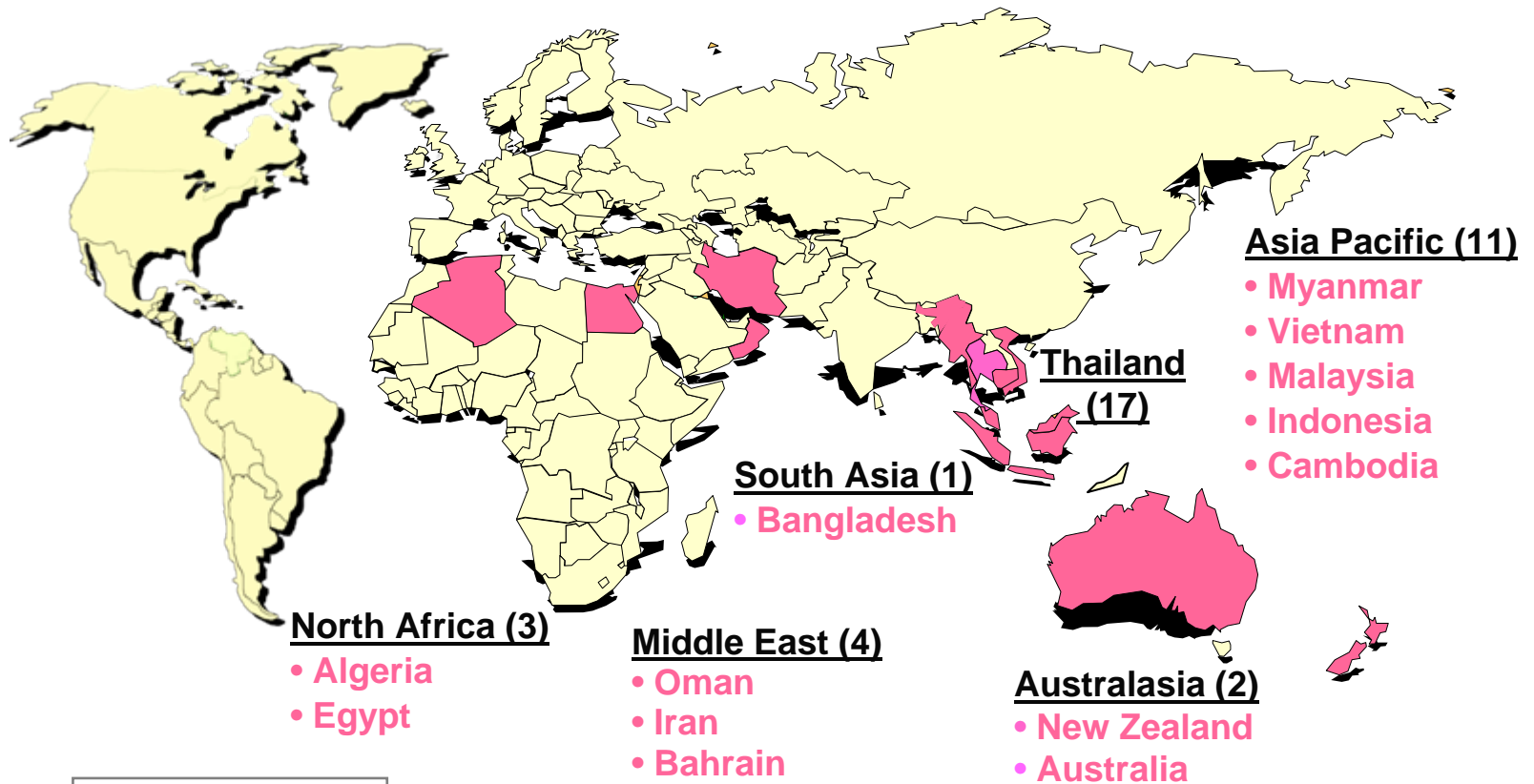


By Product





Worldwide Operations : 38 Projects in 14 Countries



Exploration	22
Development	4
<u>Production</u>	<u>12</u>
Total	38



Operation Challenges

- **Expand to New Territory**
 - Capture Local Knowledge
 - Right Partner; Operator VS Non-Operator

- **Shortage in HR and Equipment**
 - International Recruitment
 - Fast Track Training
 - Long-Term Planning

- **Escalation in Costs**
 - Innovative Engineering and Procurement Strategy
 - Synergy



Growth Strategy



1. Piped Gas to Thailand

- Western Corridor
- Southern Corridor

2. LNG Upstream Participation

3. Oversea Investment Criteria

- Petroleum Potential
- Fiscal Regime
- Political Risk



Contents

1. Energy Consumption Overview
2. National Oil Company- PTTEP
- 3. PTTEP in New Zealand**
4. Conclusions



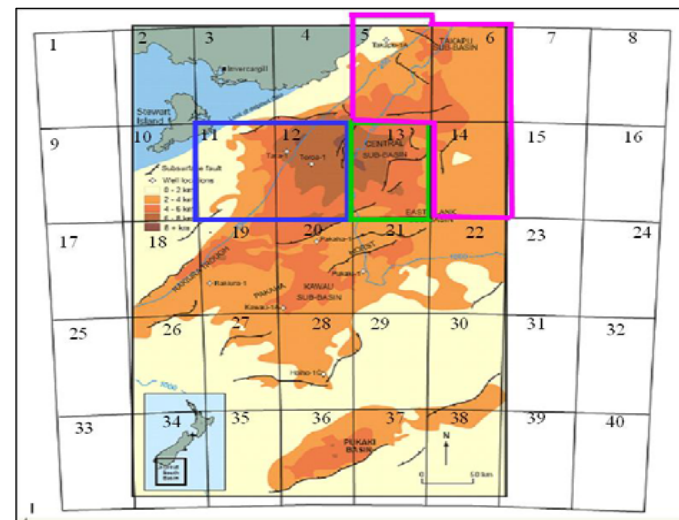
New Zealand Project - Great South Basin



- PTTEP's share: 36%
- Partners : OMV (Operator) 36%
Mitsui E&P Australia 28%

2008 Activities

- Seismic acquisition and processing





Why New Zealand ?

PRO

- 1. Potential for Large Petroleum Resources**
- 2. Balance PTTEP's Portfolio**
- 3. Low Risk Country**
- 4. Investor Friendly / Strong Government Support**
- 5. Attractive Fiscal Regime**
 - Contractor Take : 57%
 - Tax Consolidation allowed across all blocks

Challenge

- 1. Relatively Virgin Area with little past exploration records**
- 2. Harsh Marine Condition (Great South Basin)**
 - Narrow time window for exploration activities
- 3. Remote Infrastructures & Market**



Contents

1. Energy Consumption Overview
2. National Oil Company- PTTEP
3. PTTEP in New Zealand
- 4. Conclusions**



Conclusion

- **Maintain Dual Tracks**
 - Secure Thailand Energy Supply
 - Maximize Shareholders Value

- **Balance PTTEP Portfolio; Oil / Gas**

- **Enhance Company's Competitive Advantages**
 - Thailand Gas Market
 - Enhance G to G Relation
 - Capitalize on Technical Experiences;
Complex Geology, Offshore Drilling

Thank You



Bongkot Field