



THE OUTLOOK OF LNG BUSINESS IN INDONESIA (PERTAMINA'S PERSPECTIVE)

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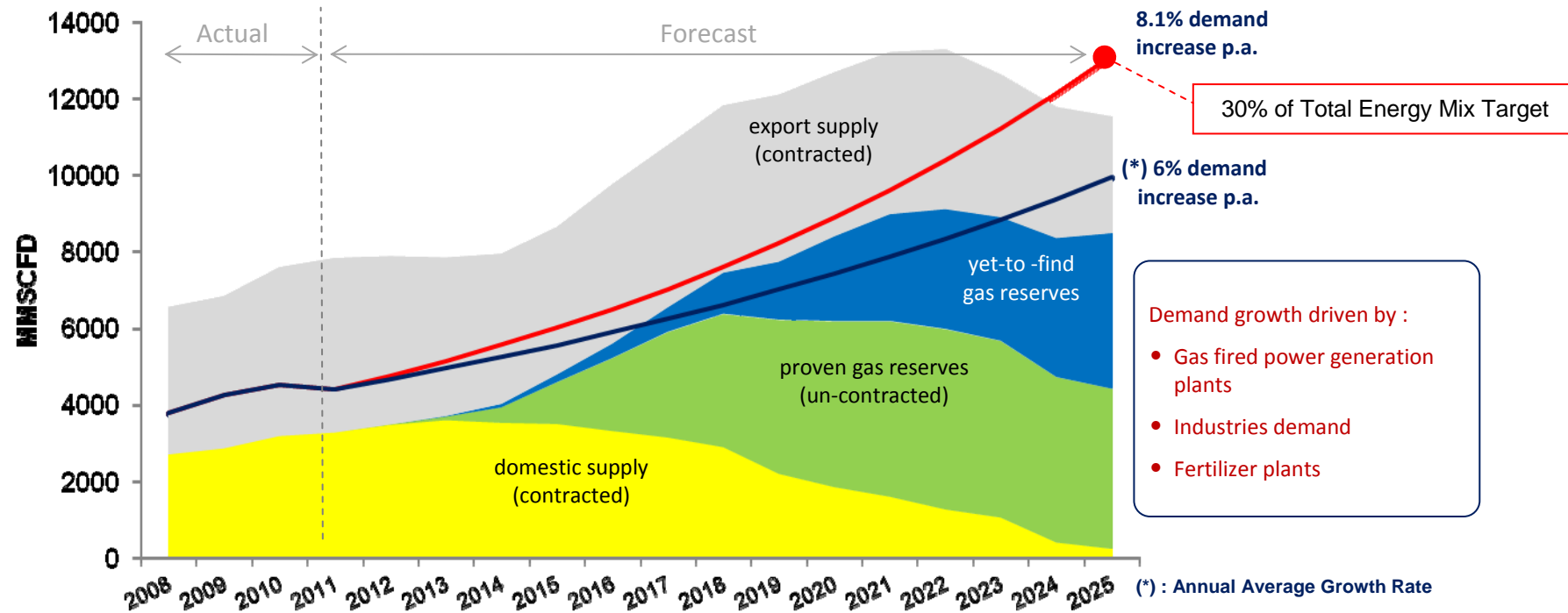


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Indonesian Gas Supply-Demand Outlook



- Since Indonesia domestic gas demand is predicted to keep increasing and will reach approximately 10 BSCFD in 2025, therefore the domestic gas demand (for power plant, industries, and fertilizer plants) should be prioritized.
- While maintaining existing contracted LNG exports, Pertamina gradually adjusts its gas/LNG business orientation to fulfill domestic gas demand.
- Pertamina is committed to develop the infrastructure in order to meet the supply and demand gap and in line with government policy toward 2025 primary energy mix.

- Currently export vs domestic gas price disparity creates major challenges to satisfy both domestic and export demands.

Indonesia LNG Projects

Location : Lhokseumawe, Aceh
Capacity : 12.3 MTPA (design) – 6 trains
Current Operation : 1– 2 trains
Production : 1978 – now
PSC Gas Producer : Exxon Mobil Oil Indonesia (EMOI)
Shareholders : Pertamina 55%, EMOI 30%, JILCO 15%



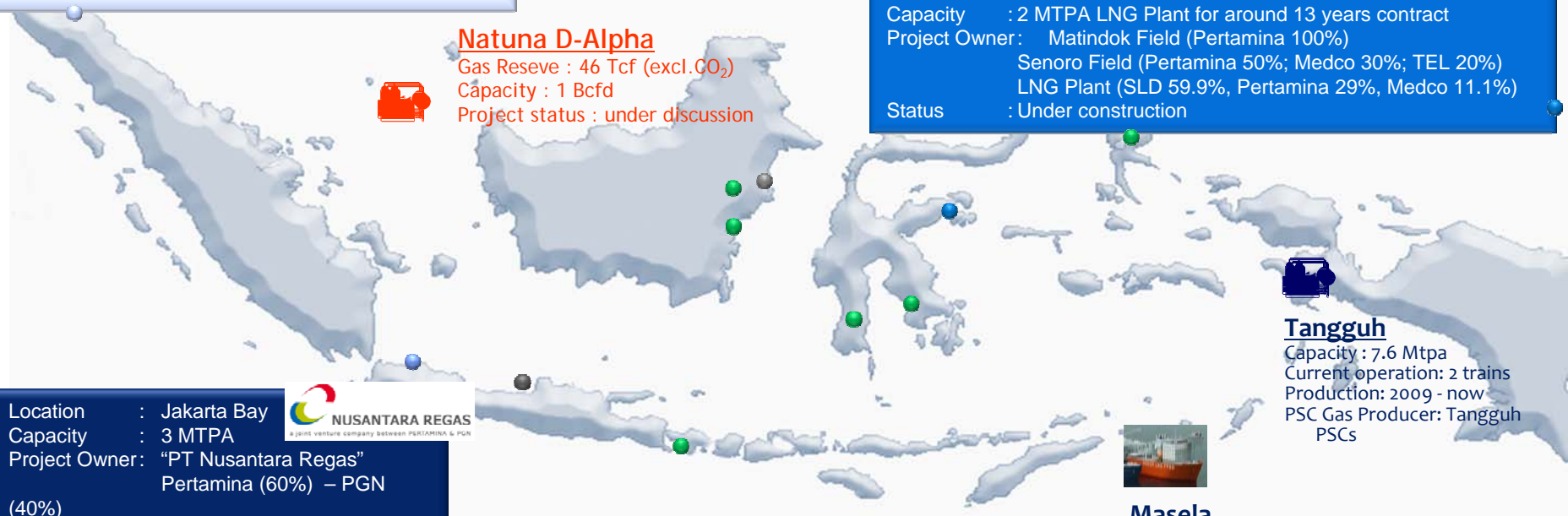
Location : Bontang, East Kalimantan
Capacity : 22.5 MTPA (design) – 8 trains
Current Operation : 5 – 6 trains
Production : 1977 – now
PSC Gas Producer : Total, Vico, Chevron
Shareholders : Pertamina 55%, Vico 20%, JILCO 15%, Total 10%



Location : Senoro Field, Matindok Field & Luwuk – Central Sulawesi
Capacity : 2 MTPA LNG Plant for around 13 years contract
Project Owner: Matindok Field (Pertamina 100%)
 Senoro Field (Pertamina 50%; Medco 30%; TEL 20%)
 LNG Plant (SLD 59.9%, Pertamina 29%, Medco 11.1%)
Status : Under construction

Natuna D-Alpha

Gas Reserve : 46 Tcf (excl. CO₂)
Capacity : 1 Bcfd
Project status : under discussion



Location : Jakarta Bay
Capacity : 3 MTPA
Project Owner: "PT Nusantara Regas"
 Pertamina (60%) – PGN (40%)
LNG Source : Bontang & other source(s)
Main Consumer: PLN's power plants (Muara Karang & Tanjung)



Location : Central Java
Capacity : 3 MTPA
Project Owner : Pertamina
Main Consumer : Pertamina's Refinery Units, Industries
LNG Source : Domestic/other source



Tangguh

Capacity : 7.6 Mtpa
Current operation: 2 trains
Production: 2009 - now
PSC Gas Producer: Tangguh PSCs



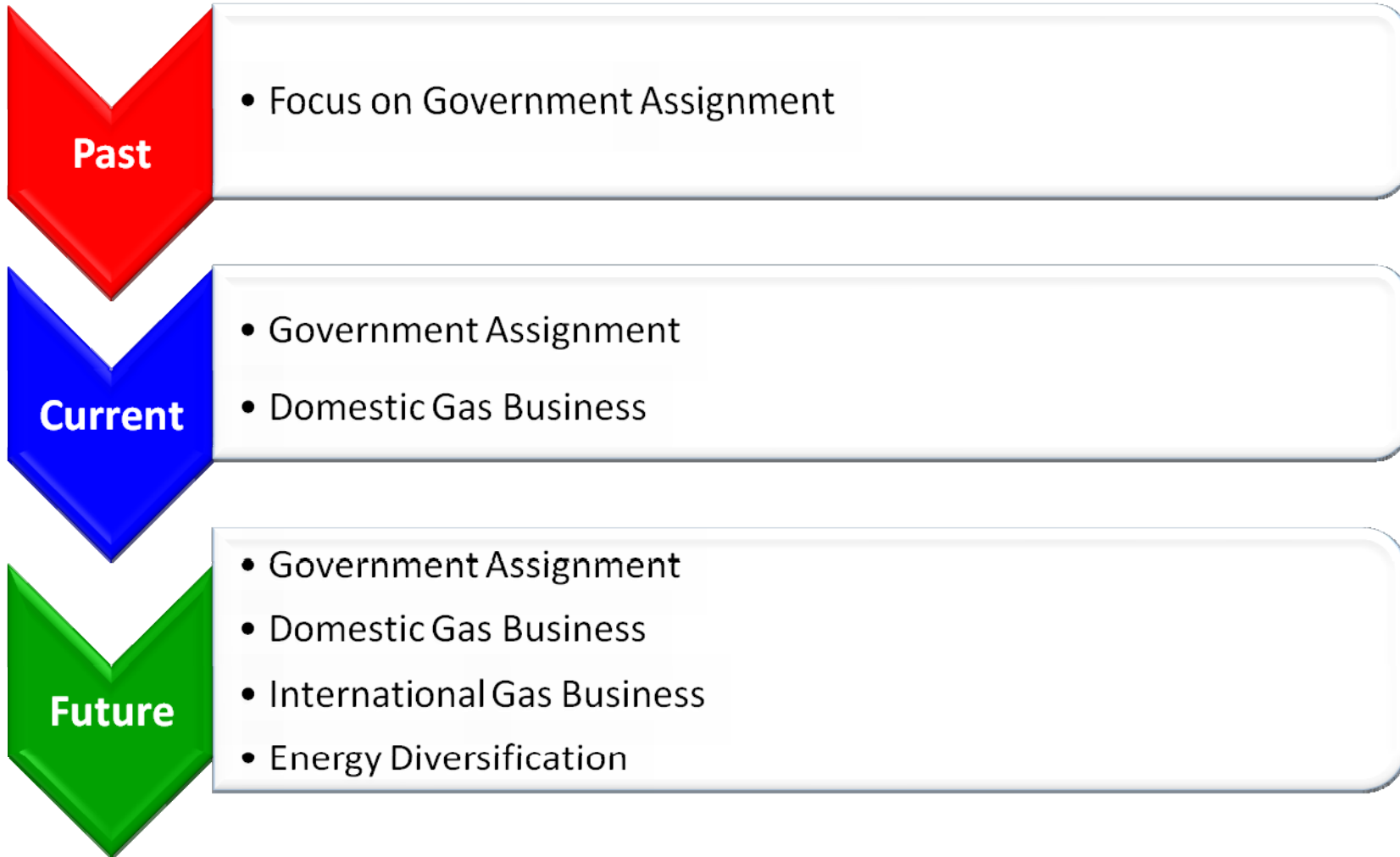
Masela

Gas Reserve : 7-14 Tcf
Capacity : 3.5-5 Mtpa
Project status: Pre-FEED

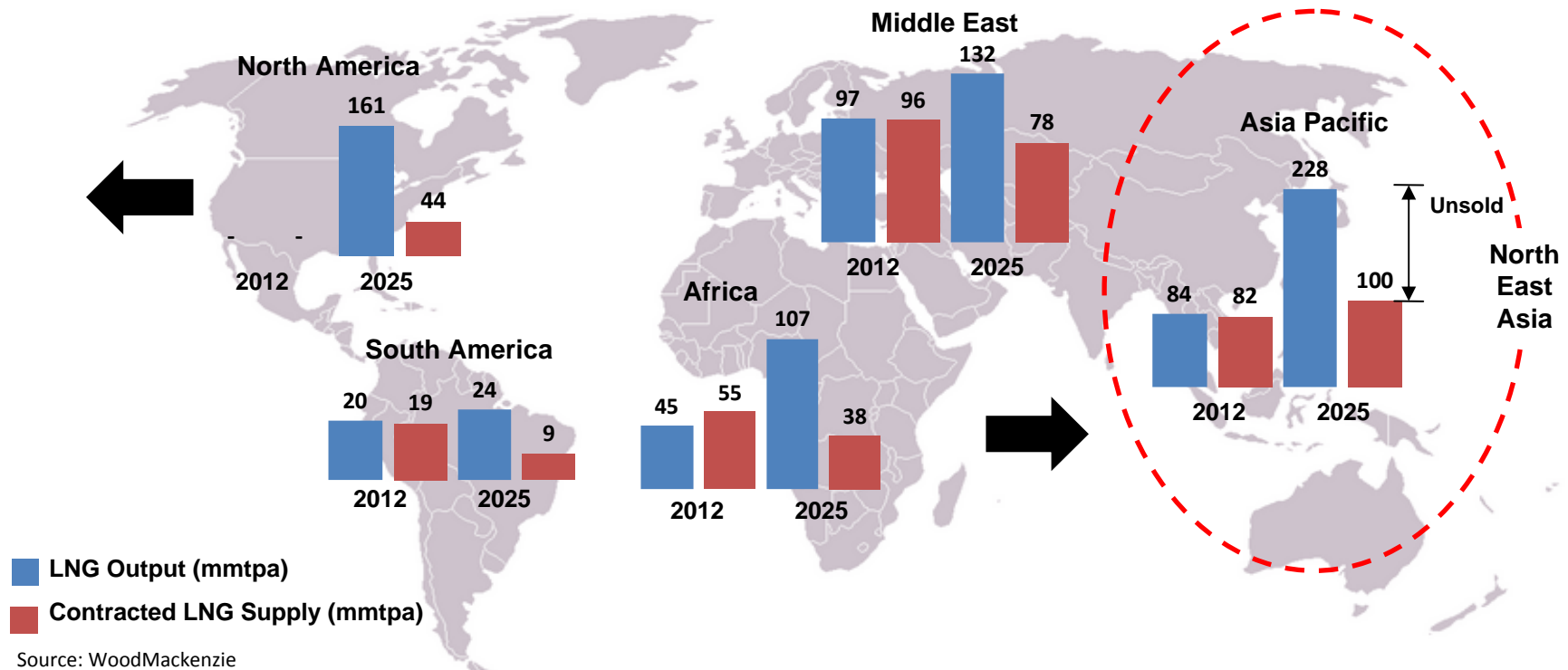
Small Scale LNG for Eastern Indonesia

Location : Maros, Batakan, Tanjung Batu, Halmahera, Pomala, Pesanggaran,
Total Capacity : ±1 MTPA
Main Consumer: PLN & ANTAM's Power Plant
Project Owner : Pertagas (65%), Indonesia Power(35%)
COD : Q4 2014 – Q1 2015

Pertamina's Business Role



Global LNG Market Affecting Indonesian Domestic Market



The increasing number of potential supplies affect the price trends:

- North East Asia LNG Price is based on oil index, which is now in the range of 14% - 14.85% and currently is moving downward.
- US LNG price based on Henry Hub index is very competitive.
- The price should be monitored in the near future.

- Indonesian economic growth results in domestic industry capability to pay higher price for gas/LNG.
- The disparity between Indonesian domestic gas/LNG price and international market price is likely decreasing.

Conclusion

- Establishment of gas/LNG infrastructure in Indonesia is critical to become the backbone of connecting supply and demand more effectively and efficiently.
- Pertamina is changing its role to give priority in fulfilling domestic gas demand and to become a global gas player as well as developing power and renewable energy project.
- The disparity between Indonesian domestic gas/LNG price and international market price is likely to decrease.
- Indonesia is becoming a big potential market for gas/LNG.

THANK YOU