



Ministry of Energy and Mineral Resources
Republic of Indonesia

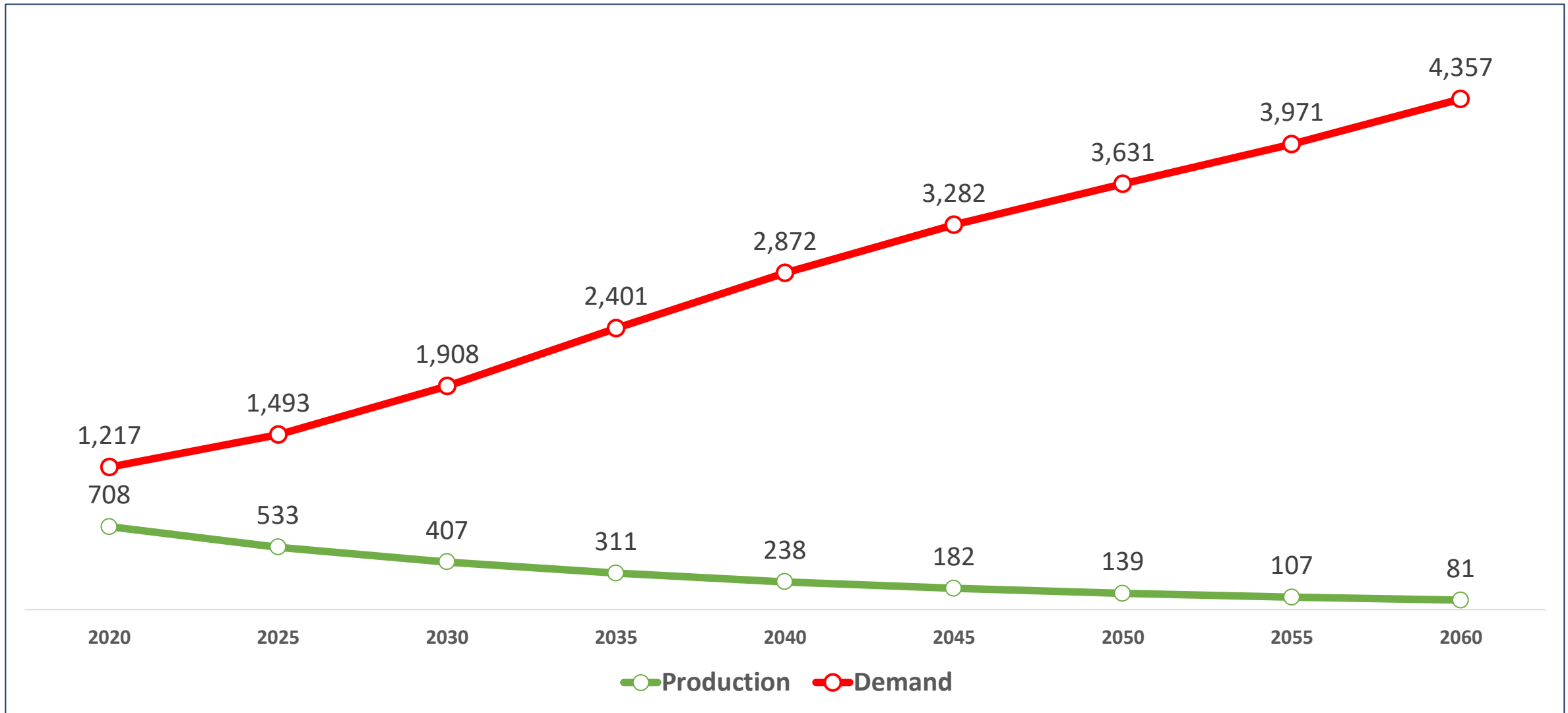
Indonesia's Oil and Gas industry development, in the upcoming Era of Energy Transition

41st International Symposium organized by Japan Cooperation Center for Petroleum and Sustainable Energy (JCCP)

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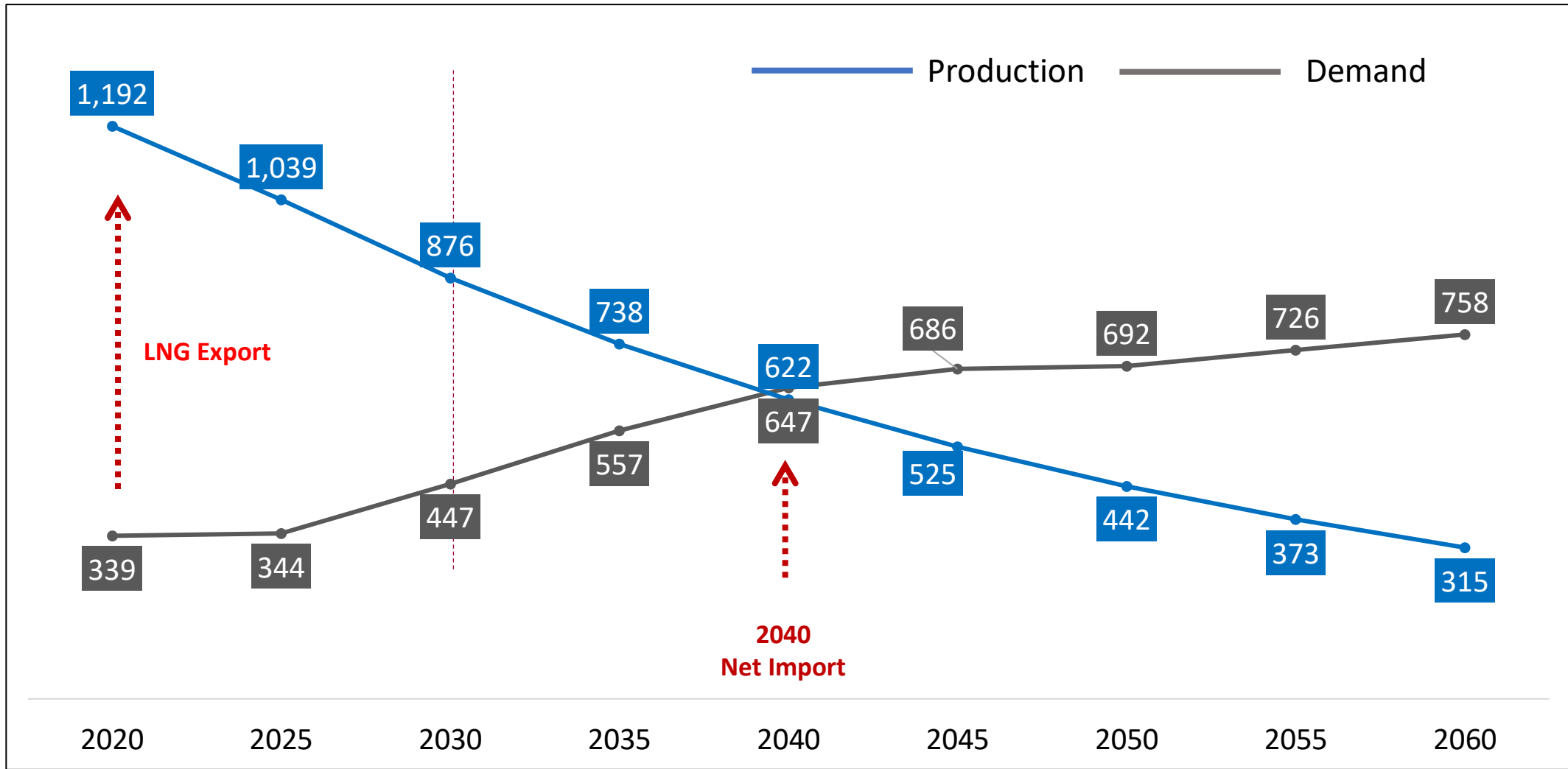
Indonesia is already becoming Net Importer of Crude Oil



Units : MBOPD



Indonesia could become Net Importer of Natural Gas in 2040



Units : MBOEPD



Future Crude Oil Production of Indonesia will rely on Eastern Indonesia

Rokan Block

Massive drilling dan Ekspansi waterflood dan steamflood (558 MMBO)

Rokan Block Shale Oil

2 (two) wells *Deepening Exploration Tail (DET)*, expected drilling Q2 dan Q3 2023.
Challenges : New and first Non Conventional Oil development

Seram Block

Oil Inplace: Crude Oil 7.596 MMBO & Gas 13,69 TCF
Challenges : New Exploration area

CEPU BLOCK

Clastic potential: 125 MMBO (Unrisked Recoverable). Onstream: 2028

Warim Block

Oil Inplace: Crude Oil 25.968 MMBO & 47,27 TCF
Challenges : New Exploration area and Remote development



Indonesia massive development for future Natural Gas Production

Andaman I,II,III & Andaman South Blocks

- Resource : 4.256 MMBOE
- Production: 1.200 MMSCFD
- Est. Onstream: 2028-2030*
- Challenges:** New exploration area

Indonesia Deep Water Development (IDD)

- Estimated Peak Production:
- Gas: 844 MMSCFD
 - Oil : 27.000 BOPD
 - **Est. Onstream: 2025**

Tangguh Block

- Reserve : Gas 15,4 TCF
- Production: Gas 700 MMSCFD
- **Est. Onstream T-3: Q2 2023**

Sakakemang Block

- Reserve : 527 BSCF
- Estimated Peak Production:
- Gas: 85 MMSCFD
- Condensate : 34,8 MMSTB
- **Est. Onstream: 2025**

Agung I & II Block

- Resource : Gas 5 TCF
- Est. Onstream: 2033*
- Challenges :** New Exploration area

Masela Block

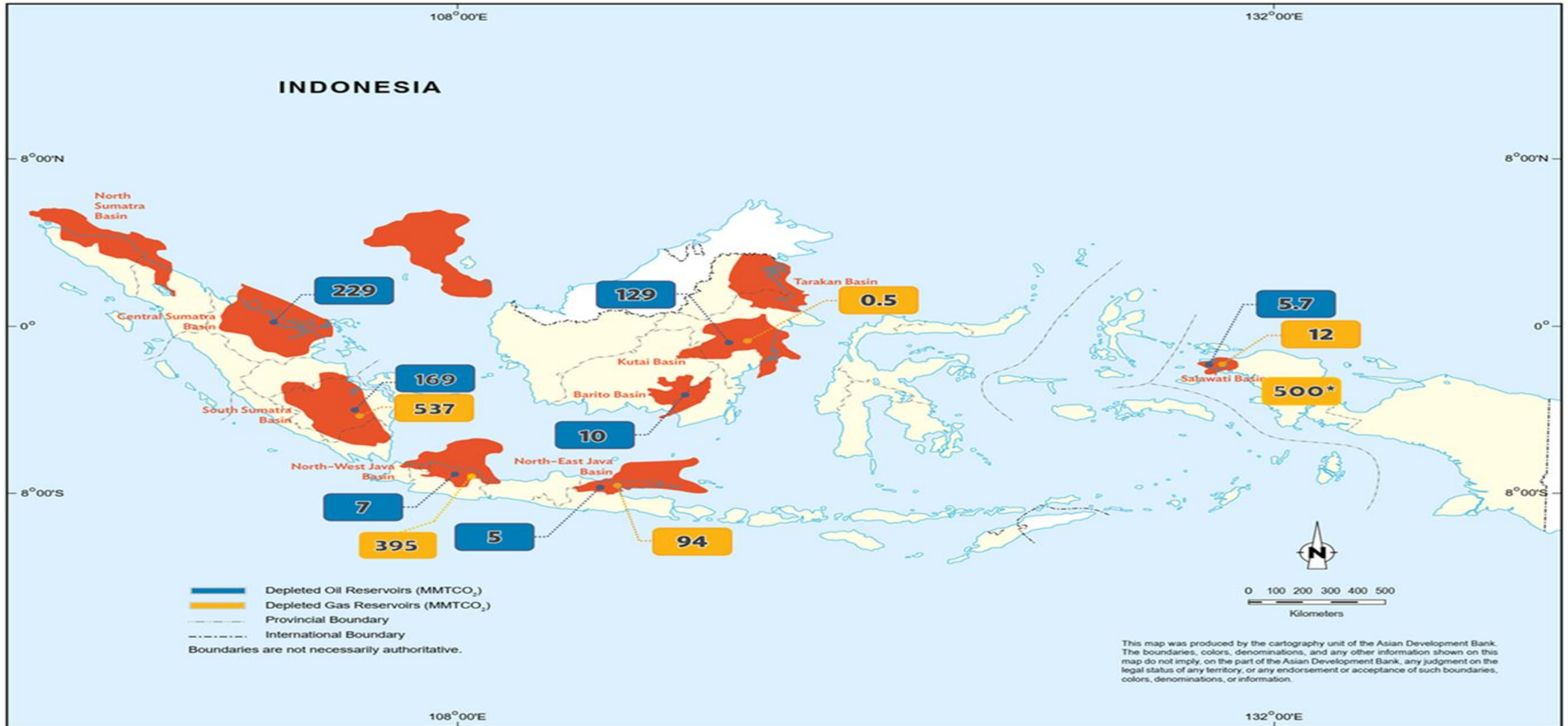
- Estimated Peak Production:
- LNG: 9,5 mtpa (1.600 MMSCFD)
 - Gas Pipe: 150 MMSCFD
 - Condensate :35.000 BCPD
 - **Est. Onstream: 2029**

Genting Block

- Reserve : 3.2 TCF
- Production : 330 MMSCFD
- **Est. Onstream 2025**



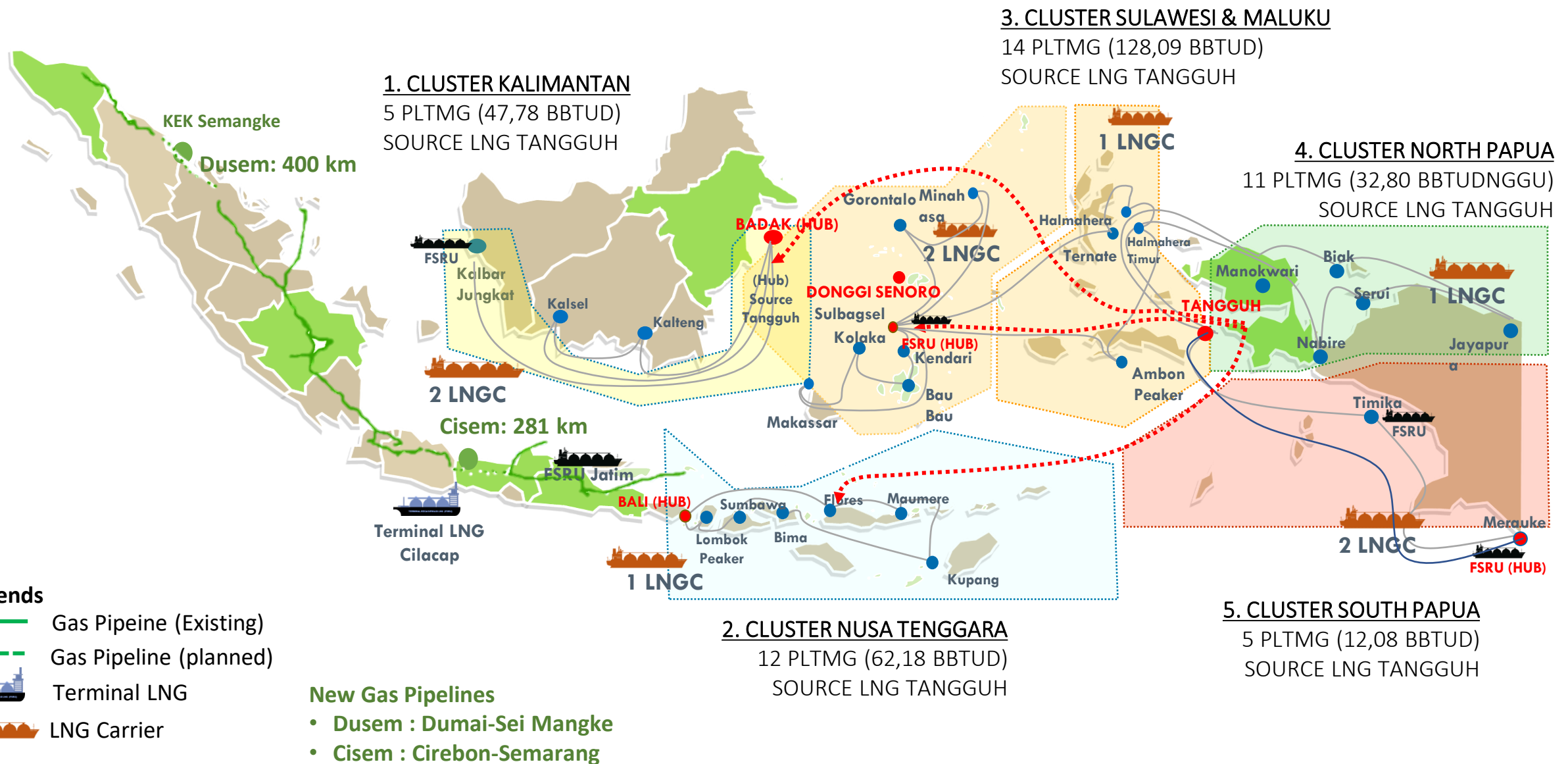
Indonesia has significant CO₂ Storage capacity. Current new Oil & Gas projects to include Carbon Capture & Storage (CCS), such as Sakakemang, Tangguh, Masela, and others



MMTCO₂ = million metric ton of carbon dioxide.



Indonesia is preparing a major Gas Infrastructure development



Summary of presentation

Current demand and efforts to increase Oil and Gas production

1. Indonesia has become net importer of Crude Oil
2. Although currently, Indonesia is exporting LNG, however in the future, Indonesia could become net importer of LNG
3. Currently, to increase crude oil production, Indonesia is focusing at Eastern part of the country
4. To accelerate Natural Gas Production, massive investment is currently planned and being executed

In anticipation of Transition Energy, the following are Indonesia's efforts

1. Implement Carbon Capture and Storage (CCS) and with CCUS
2. Infrastructure development, such as Gas Pipeline and LNG distribution

Thank you

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Social Media Account of Ministry of Energy and Mineral Resources for the Republic of Indonesia



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