

Safeguarding Energy Security and Driving Indonesia's Energy Potential

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Indonesia's Key Role in Energy Transition and Decarbonization (1/2)

Indonesia is a key player at the global level, with its vast territory, strategic location, world's fourth largest population, and abundant natural resource potential.



17,500 islands with $\pm 108,000$ km of coastline



Population of 282 million people



Located along major sea lanes connecting East Asia, South Asia and Oceania

Rich in energy transition mineral reserves and high RE potential



World's biggest nickel reserves



World's 2nd biggest tin reserves



6th biggest bauxite reserves



7th biggest copper reserves



437.4 GW of potential RE¹

1. Renewable energy includes solar, hydro, wind, bioenergy, geothermal, and Ocean
Source: Dukcapil, ESDM, Statista

2nd largest global low-cost NCS potential

#1
of world fauna species

15%
Share of global NCS potential

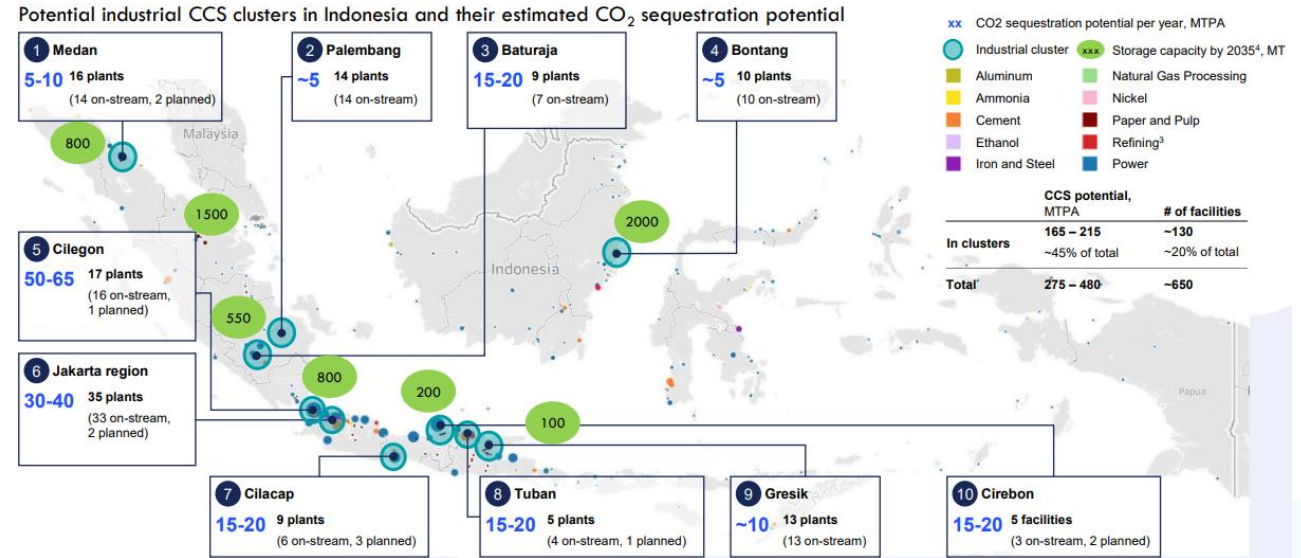


2nd largest global low-cost Nature Climate Solutions (NCS) potential¹

#2
largest mangrove cover

~300
BtCO₂ carbon stored in Indonesian land

~400 Giga Tons CCUS potential



Potential CCS clusters

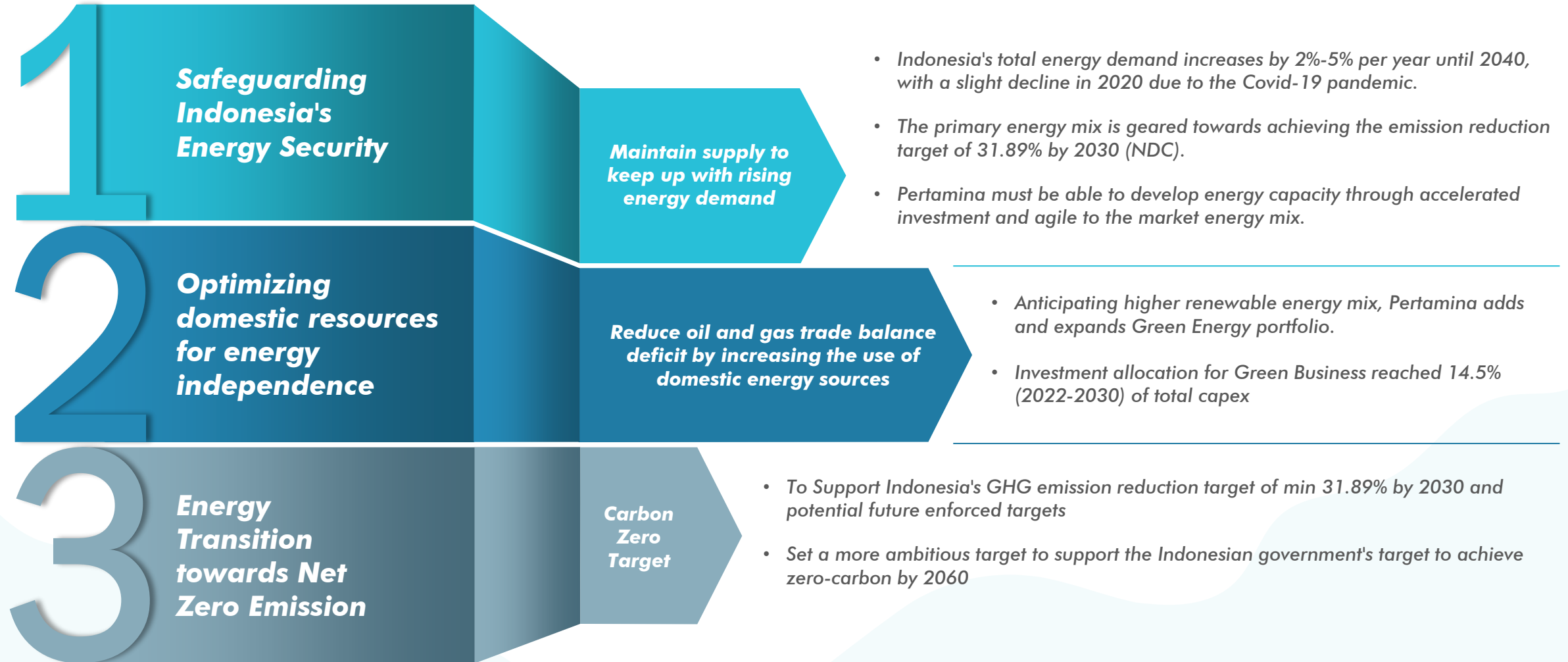
Integrate clusters for end-to-end CCUS and innovate as green energy provider in the clusters

1. After Brazil

Source: US NASA Goddard Institute for Space Studies (GISS) GISTEMP Reanalysis dataset, World Resources Institute

Pertamina's Strategic Role as a National Energy Company

To meet domestic energy needs and energy transition



Formation of 6 Sub-holding was the strategic direction to adept with post-pandemic era, Power & NRE will drive energy transition



Pertamina is fully committed to achieve Net-Zero and has developed pathways to achieve the ambition by 2060 or sooner..



Pertamina Green Business Initiatives

Estimated 2060 capacity and cumulative capex up to 2060



Biofuels
200+ kbpd capacity for HVO and HEFA

\$5-10 bn



Renewables
60 GW market share

\$50-55 bn



CCS/CCUS
~60 MTPA capacity of E2E CCS/CCUS

\$20-25 bn



Battery and EV
80 GWh battery prod. capacity
~800,000/yr E2W production
~1.5 TWh charging stations

\$3-5 bn



Hydrogen
3 MTPA for transport, industry

\$45-50 bn



Carbon business
20+ mn tCO2 carbon credits generated by 2030

~25-30 Mn

Tonnes CO2 abated (Scope 1 & 2) in 2060

~30-40 Bn

Revenue per year from new green businesses

~2%

Contribution to Indonesia's Net-Zero aspirations (Scope 1 & 2)³

THANK YOU

“towards cleaner and more sustainable energy for **Indonesia”**