

# PERTAMINA NEW & RENEWABLE ENERGY

## COMPANY PROFILE

# Pertamina Vision 2024: To Be Global Energy Champion \$100B Enterprise Value\*

Pertamina masterplan would drive sustainable growth & fulfil social mandate



**2023**  
Fortune 500:  
**#141**



**Revenue:**  
\$57,508



**Profit:**  
\$2,045



**Asset:**  
\$78,050



**PERTAMINA**  
ESG rating on Sustainalytics Globally

Industry Group: **Oil & Gas Producer** Country/Region: **Indonesia**

**ESG Risk Rating (As of 30th Nov 2023)**

**20.7** **Medium Risk**



**Ranking**  
**Sub-Industry: Integrated O&G** (1st = lowest risk)

**1<sup>st</sup>**  
out of 61<sup>1</sup>

# Pertamina is Mandated to Ensure The Indonesia's Energy Security and Implemented Through the Establishment of 6 Sub-Holdings



# Pertamina Operate Assets in More than 12 Countries Worldwide



**65** blocks

**40** domestic

**25** international



**6** Refinery Units

**~700**  
BBM Product KBPD

**~1,050**  
Processing Capacity KBPD



**8** Regionals

**24** LPG Terminals

**104** Fuel Terminals

**7,546** SPBU



**9** pipe for transportation

**8** non-pipe for transportation



### Operational capacity 2023:

- Geothermal (672.5 MW)
- Biomass (4.4 MW)
- Gas to Power (1760 MW)
- BSS (6 location)
- Solar (47 MWp)

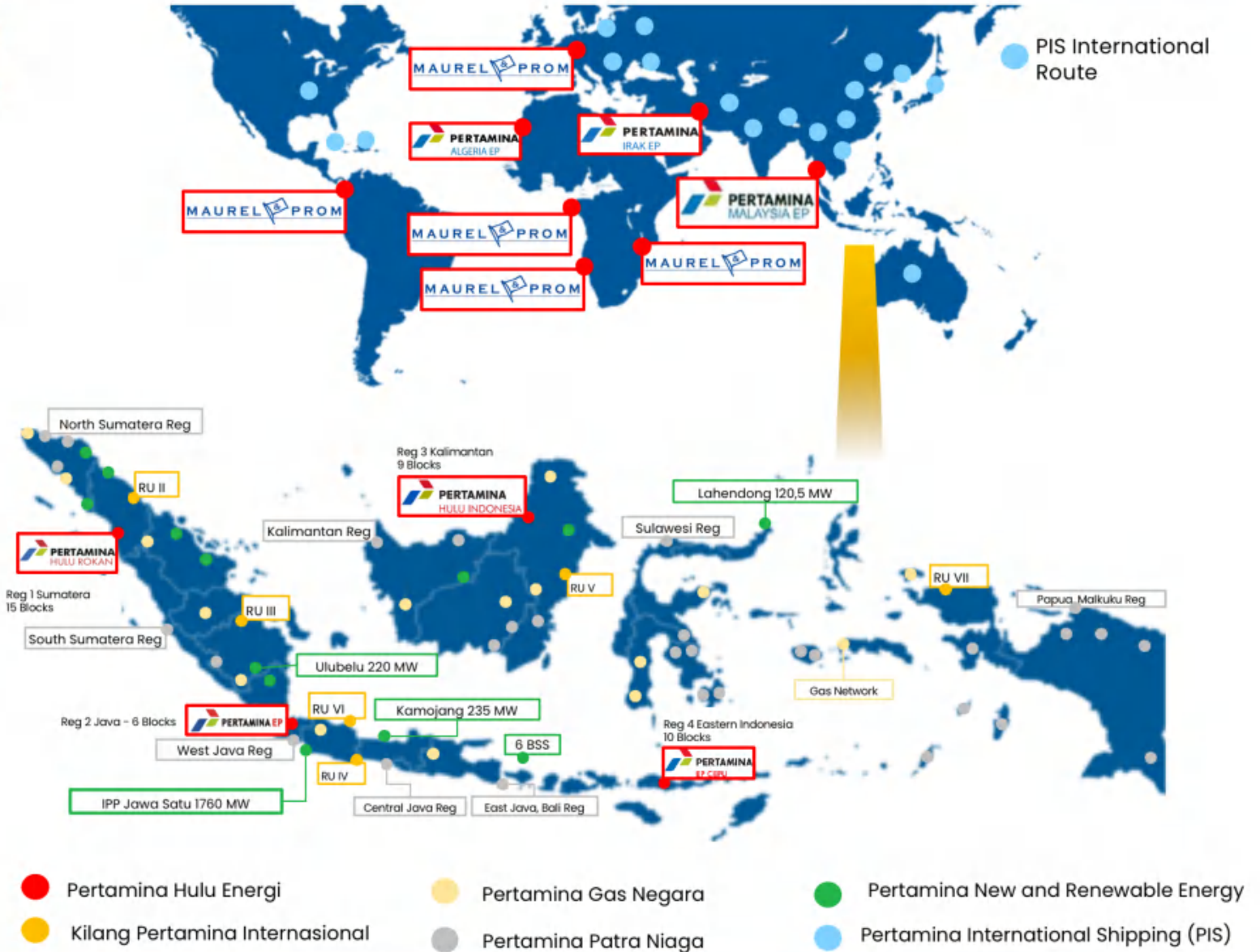


**26** Intl. Routes

**20,000+** calls/year

**±305**

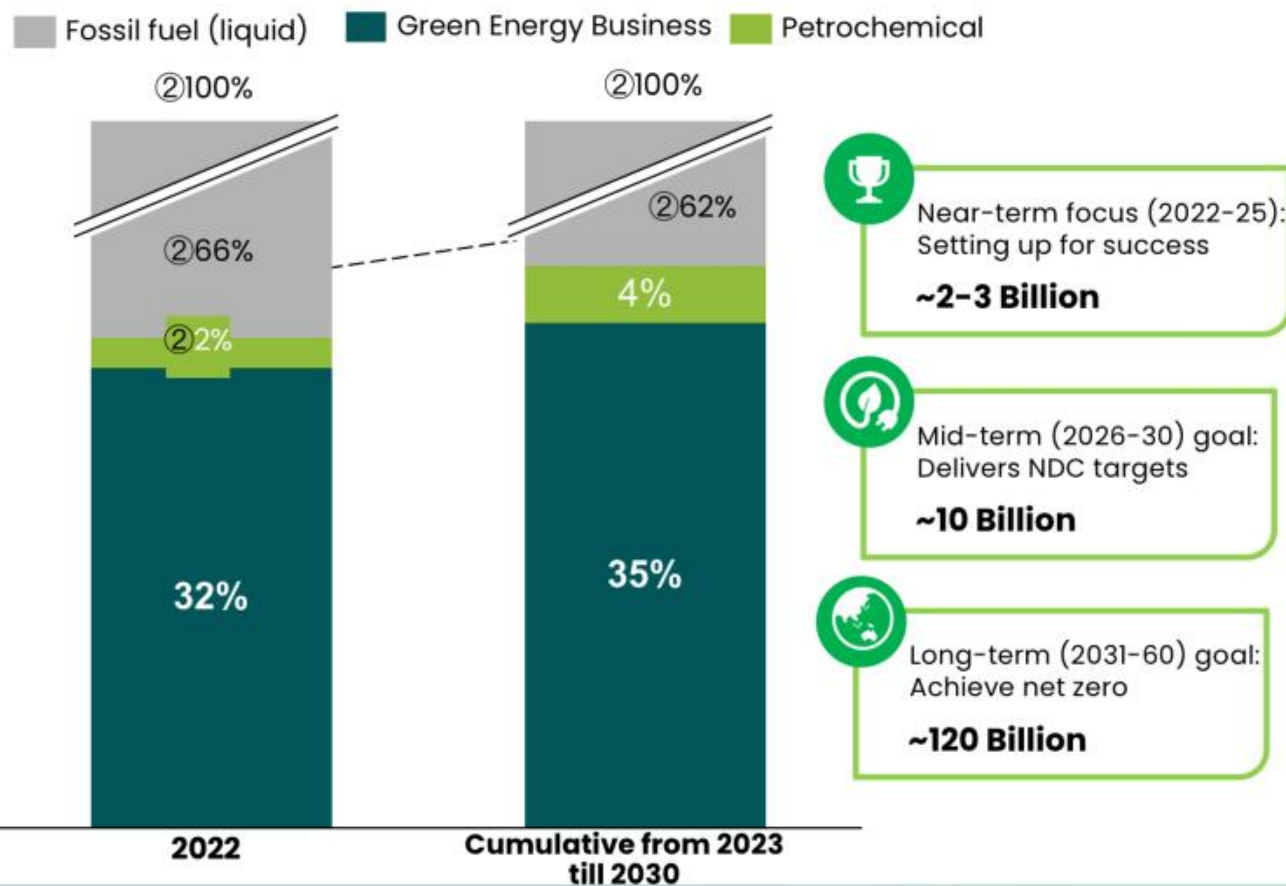
Operated Vessels



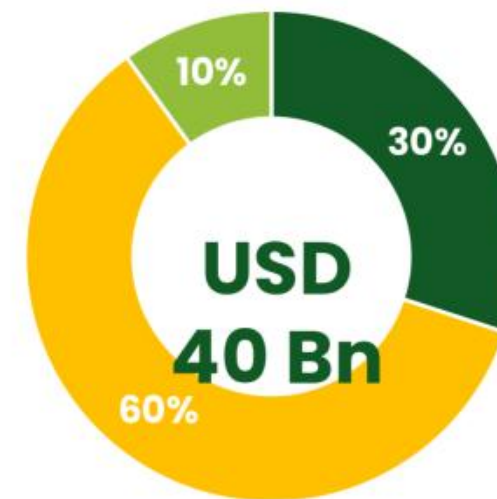
# Pertamina Investment Strategy

Pertamina allocates CAPEX up to 35% for Green Energy Business. Pertamina's commitment is in line with efforts to use domestic resources to supply domestic energy towards green development and decarbonization

## Pertamina Capex Allocation

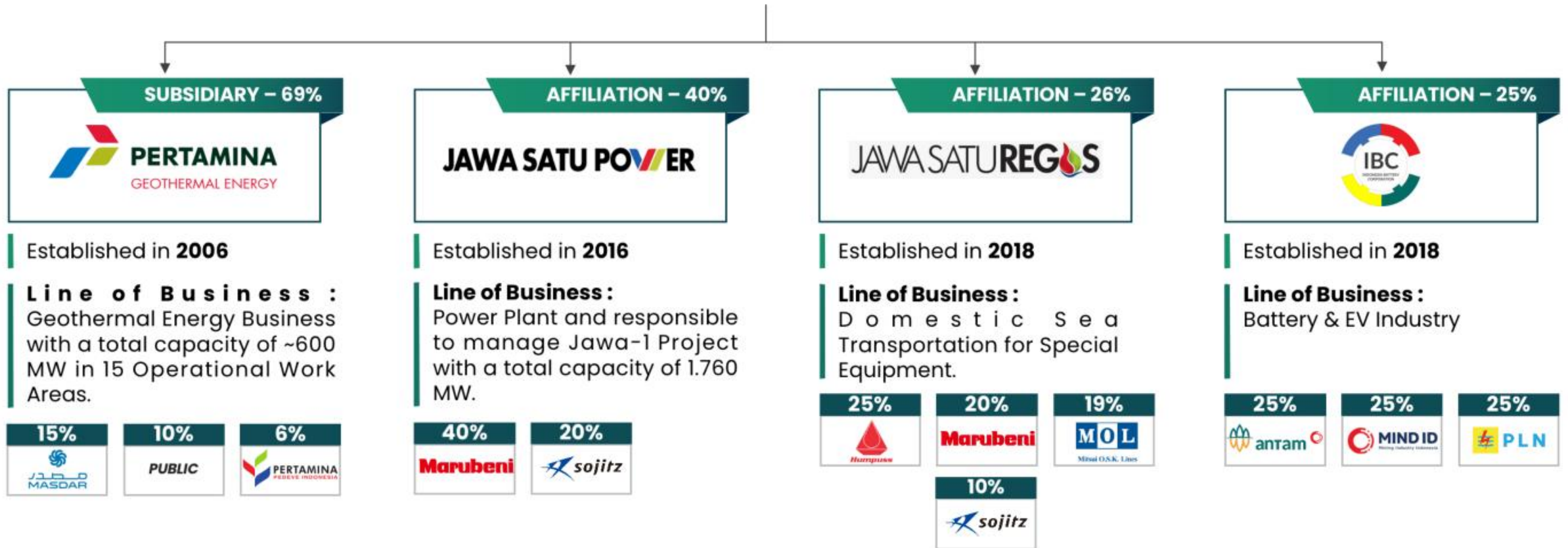


## Green Energy Business CAPEX Allocation

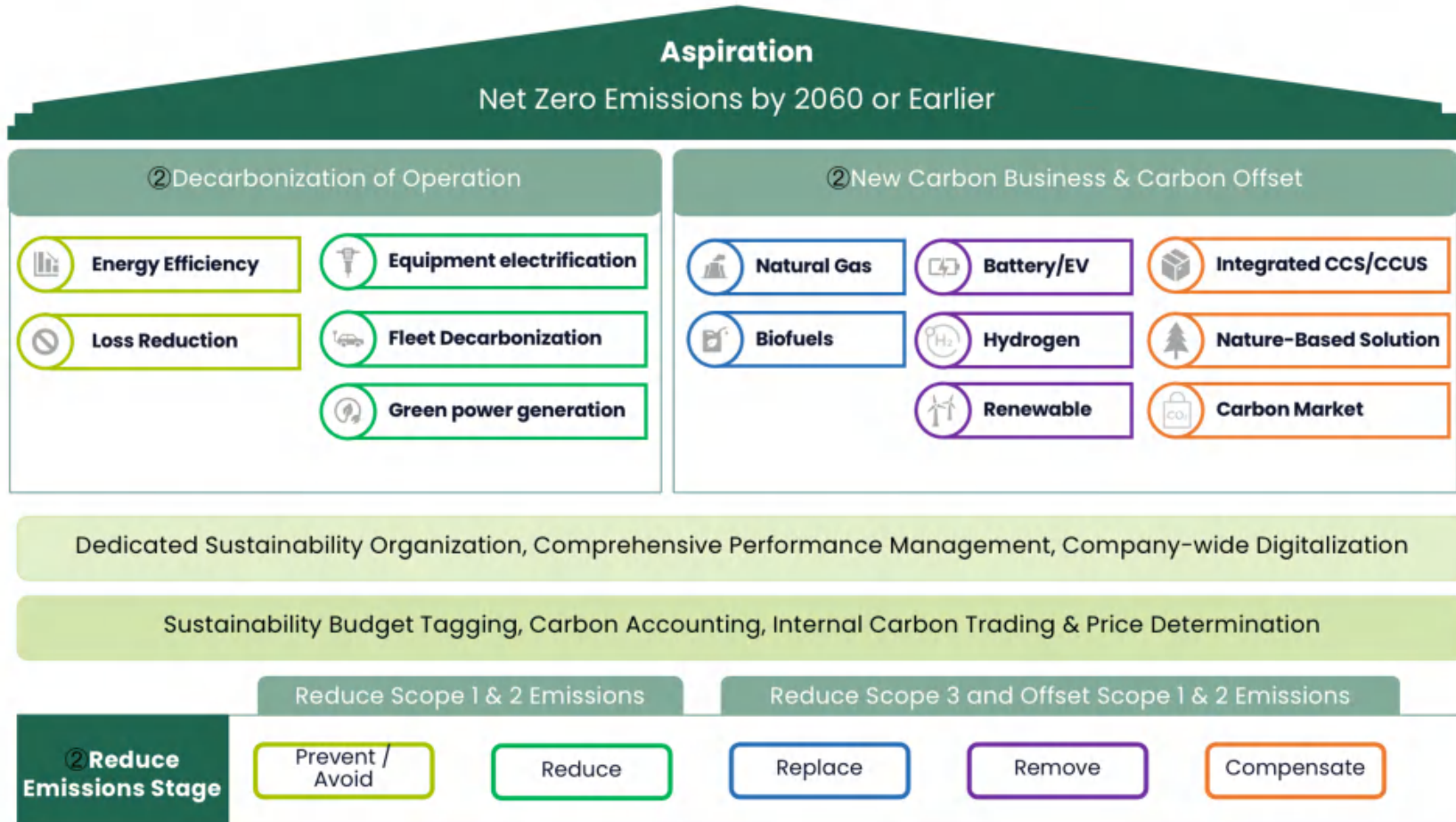


■ New & Renewable Energy

# Pertamina NRE's Current Group Structure



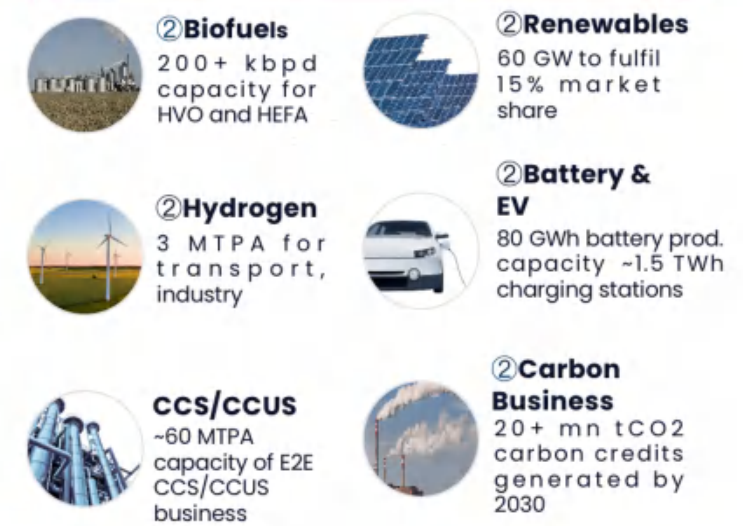
# Long Term Plan | Pertamina is leading the way in the energy transition while maintaining energy security for Indonesia



## Investment Composition



## Key Strategy Target

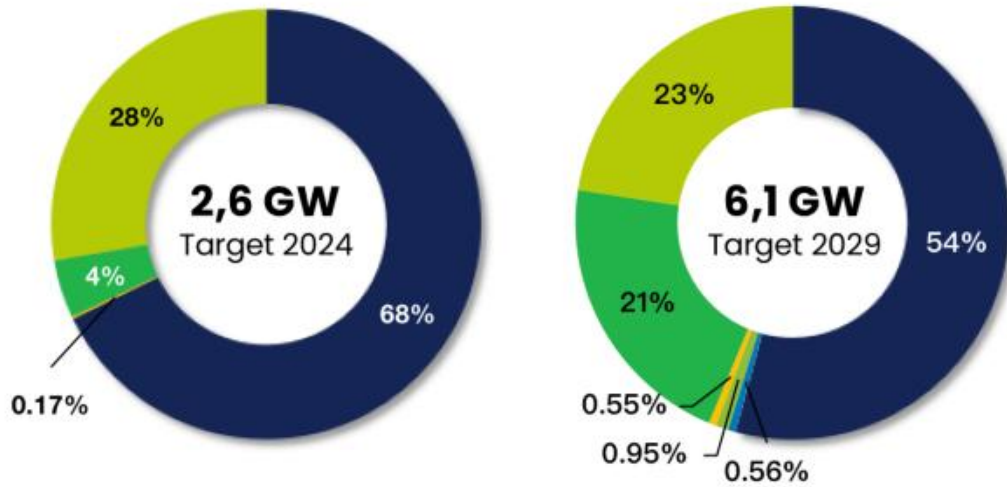




## PNRE INVESTMENT STRATEGY

PNRE Aspiration to become a leader of Low Carbon Solutions, Renewable Energy & Future Green Business in the region, with total capacity reaching ~6 GW by 2029

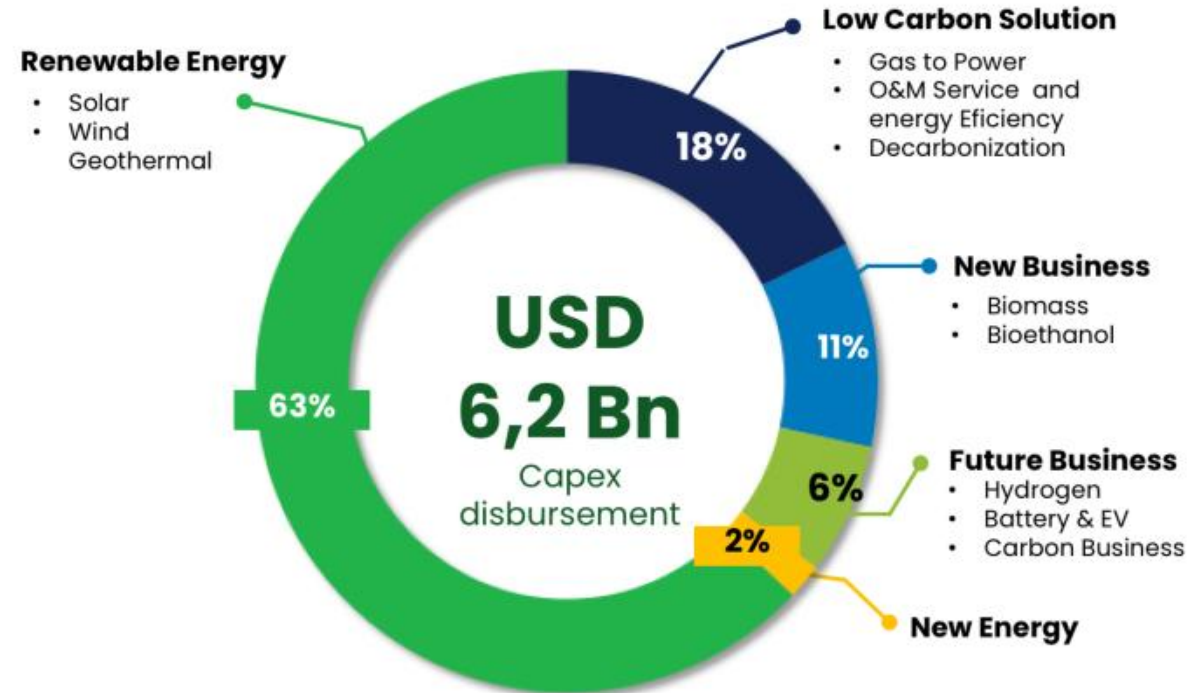
### Installed Capacity



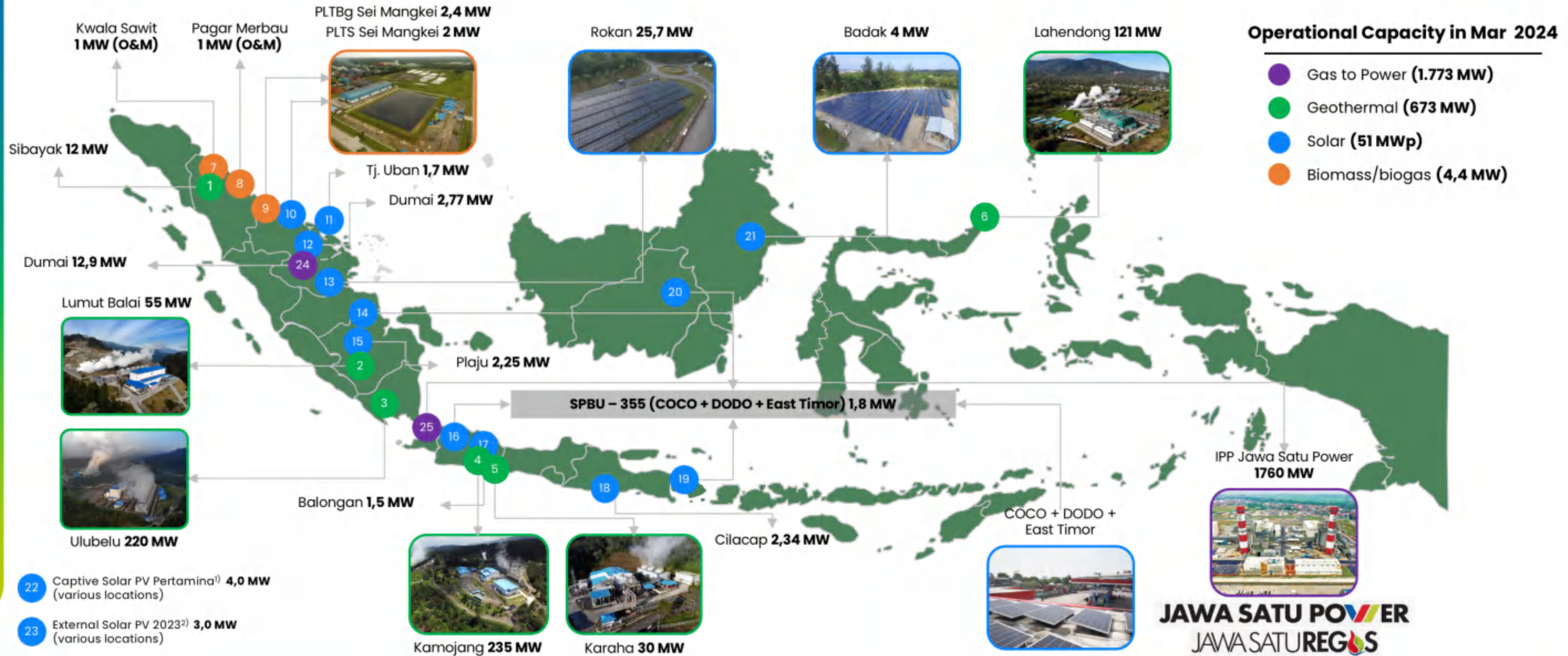
		Target 2024	Target 2029
Bioethanol		0	840.000 kL
Hydrogen		0 kTpa	77 kTpa
Carbon Business		0,8 MtCO2e	19,2 MtCO2e
Battery & EV		0 GWh	51,4 GWh

### Capex Disbursement

PNRE allocates significant Capex spending from USD **0.7 Bn** in 2024 up to USD **6.2 Bn** in 2029



# PNRE's Operational Asset is Spread Around Indonesia Archipelago and Abroad



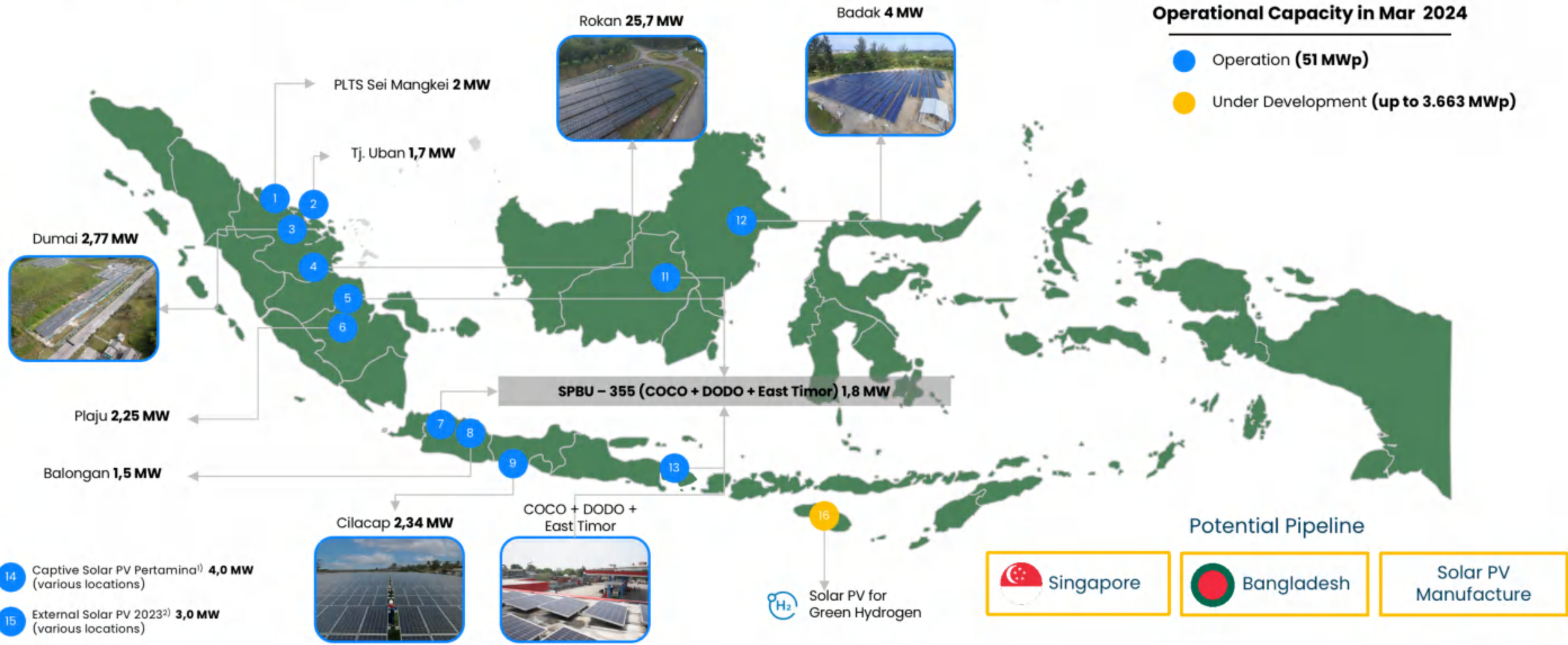
1) Include PLTS C&T (2,7 MW), PLTS Non-SH (0,8 MW), PLTS IML (0,7 MW), PLTS SH Gas (0,2 MW), PLTS PNRE (0,06 MW) dan PLTS SHU (0,006 MW)

2) Include PLTS AP II (2,3 MW), PLTS UGM (0,3 MW), PLTS Jababeka (0,2 MW), dan PLTS STS Telkom (0,1 MW)

# Gas to Power & Energy Conservation | PNRE operates the largest power plant in Southeast Asia



# Solar Power Potential | Maximizing Indonesia's Potential of Renewable Resources and Ensuring Energy Security with Potential up to 3,6 GW



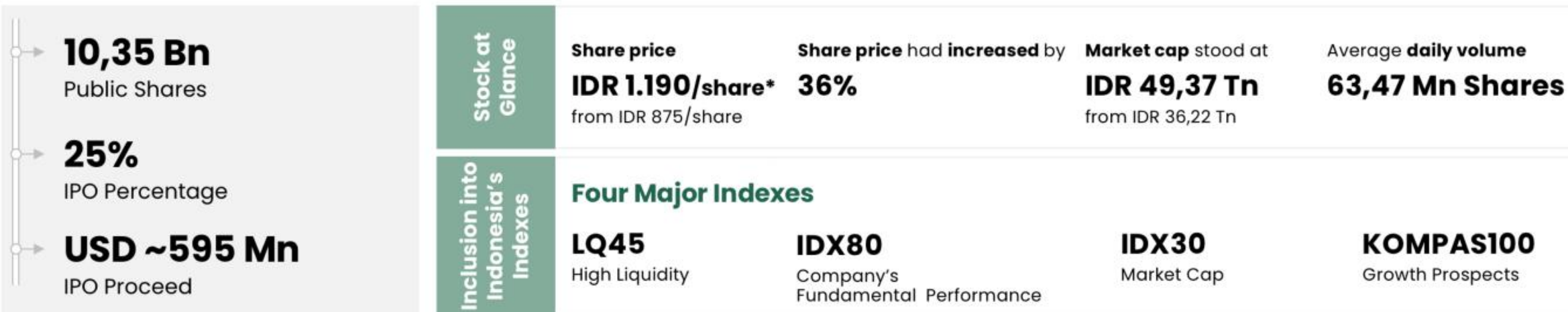
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# Geothermal Expansion | Maximizing Indonesia's potential of geothermal resources & Expanding Indonesia's geothermal footprint worldwide

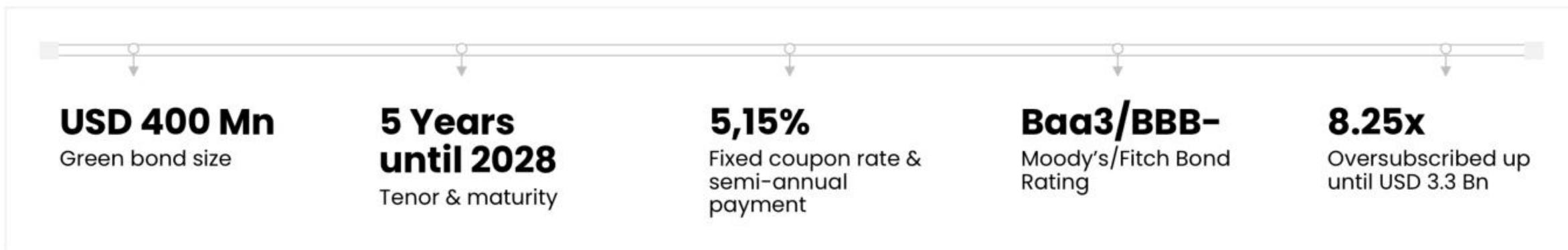


# PT Pertamina Geothermal Energy (PGE) Have Just Been Successfully Go Public and Global Green Bond Issuance in 2023

## IPO Structure



## Green Bond Structure



# Pertamina is the first carbon credit supplier in the IDXCarbon, and starting from 26/09 2023 Pertamina has sold 561k tCO2e of carbon credits in Indonesia

## Renewable Energy Carbon Credit Sources

Commercialization of carbon credits from geothermal powerplant Lahendong Unit 5 and 6



**Officially launched by the President of the Republic of Indonesia Joko Widodo on 26 September 2023**, carbon credit from geothermal powerplant Lahendong Unit 5&6 (vol.1 and 2) were successfully traded on Indonesia Carbon Exchange (IDXCarbon). **This is to be followed with the verification and issuance of vol.3 (2021-2022)**

② **#Transactions: 47**

② **Volume sold: ~561\*ktCO2e**

② Mechanism	② Volume transacted, tCO2e	② Average price, kIDR / tCO2e	② Buyers (examples)
<b>Auction Market (bidding platform)</b>	② <b>300.000</b>	② <b>~62</b>	
<b>Regular Market (spot transactions on exchange)</b>	② <b>139.704</b>	② <b>~69</b>	
<b>Negotiated Market (offline deal, exchange-settled)</b>	② <b>120.659</b>	② <b>~50</b>	




**IDXCarbon support the transition to net zero emissions by stimulating investment in low carbon solutions (e.g., NEBS, renewable energy projects) by offering a transparent and efficient digital system to facilitate carbon credit trading**

# CONTACT

## Pertamina New & Renewable Energy

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