

Indonesia Accelerated
Renewable Energy
Development: Collaborative
Endeavors towards Sustainable
Future

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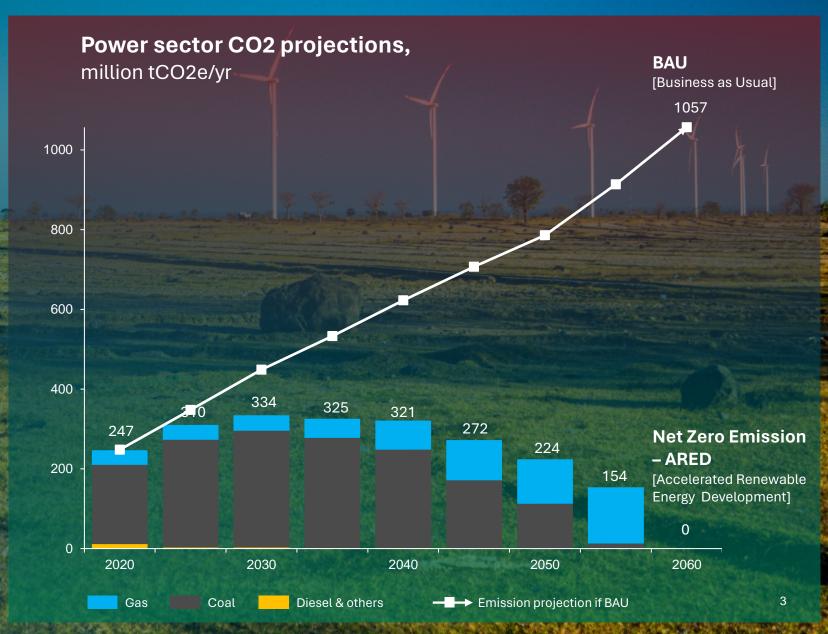






### PLN is fully committed to reduce **Green House** Gas emissions...

During COP26, PLN announced a strategic roadmap aimed at achieving Net Zero Emissions by 2060.



# At COP28, **PLN reaffirmed** our commitment to realizing the energy transition towards **Net Zero Emission by 2060**.





Cancellation of 13.3 GW new coal power plant planned in RUPTL 2019-2028

Elizabeth Yee



Biomass co-firing at 43 coal-fired power plants and up to 52 plants by 2025



Cancellation of 1.4 GW PPA of coal power plant under the Greenest RUPTL pipeline



1 GW De-dieselization program



Replace 1.1 GW of coal with Renewable Energy



Implementation of carbon trading at 55 Coal-Fired
Power Plant, trade volume
~5,26 million CO<sub>2</sub>



Replace 800 MW of coal with gas power plant.



Plan and develop 21 GW

1.2 Bn
tCO<sub>2</sub>
renewables plants under the
Greenest RUPTL



Total cumulative emissions reduction/ avoidance

**3.7 Billions Ton** CO<sub>2</sub>







Greenest National Electricity
System Planning 2021-2030

**Additional RE Capacity** 

RE Energy Mix

20,9 GW





Hidro 10,4 GW



Biomass **0,6 GW** 



Solar & Wind 5,0 GW

Geothermal **3,4 GW** 



Lainnya 1,5 GW

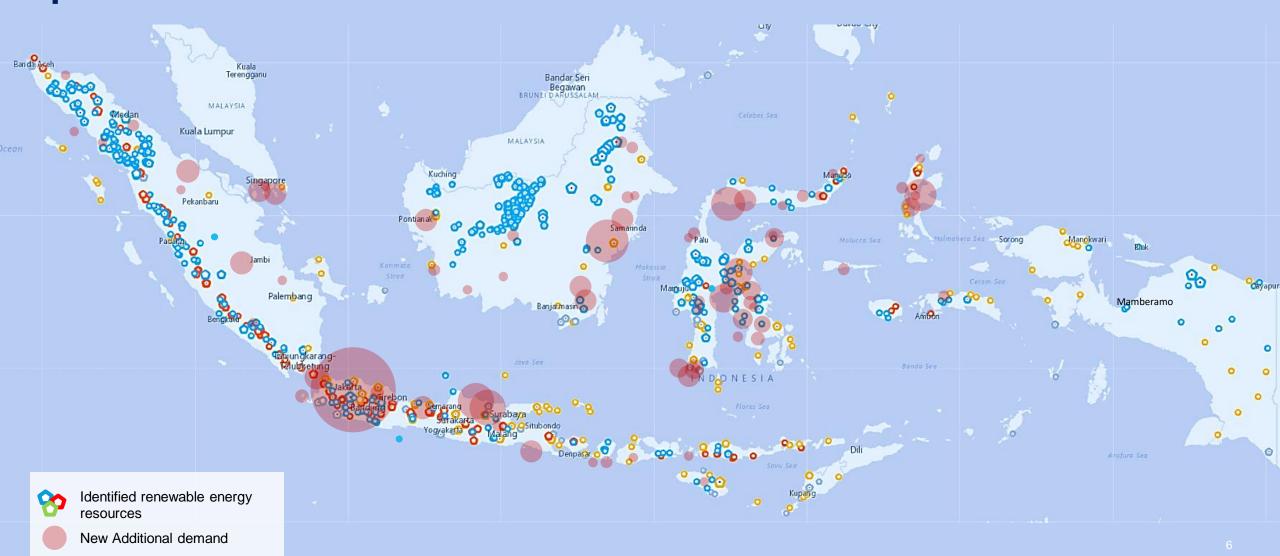


Net Zero Emission 2060

#### There is a mismatch between

#### **华**PLN

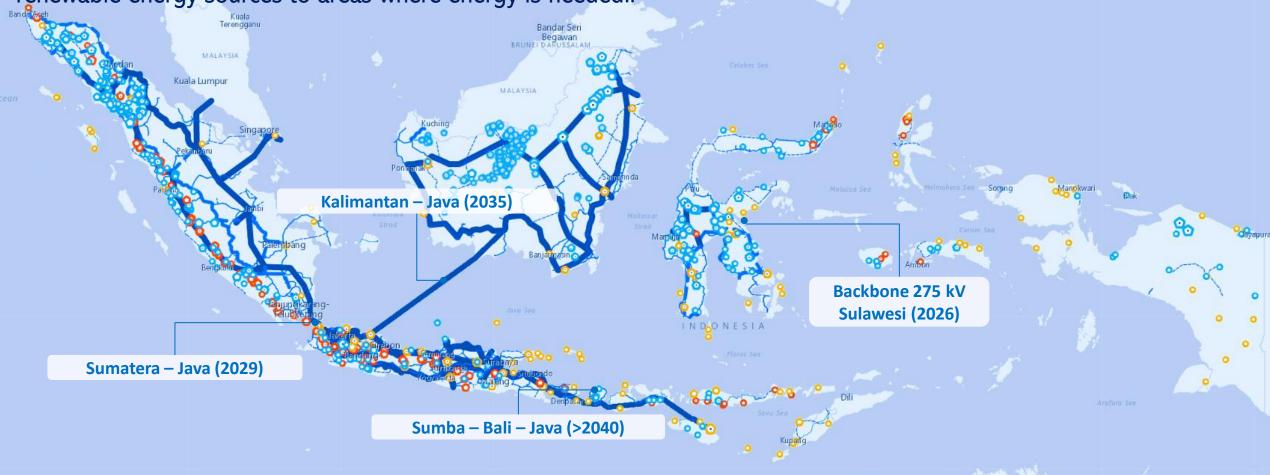
## Large scale of renewable energy resources and epicentrum of demand



#### Accelerated Renewable Energy Development (ARED)



The Green Super Grid will solve the problem of mismatch between supply and demand, connecting renewable energy sources to areas where energy is needed...



Total additional renewable energy capacity within Accelerated Renewable **Energy Development (ARED)** Scenario

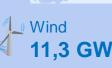






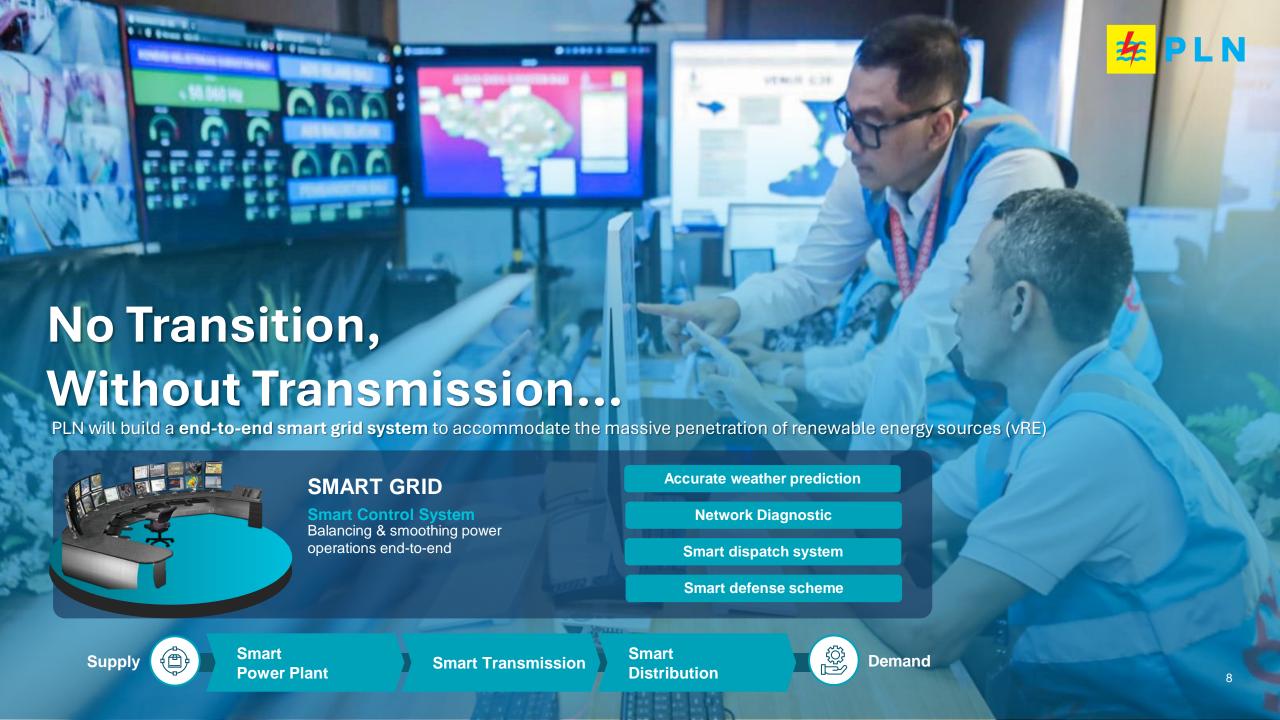






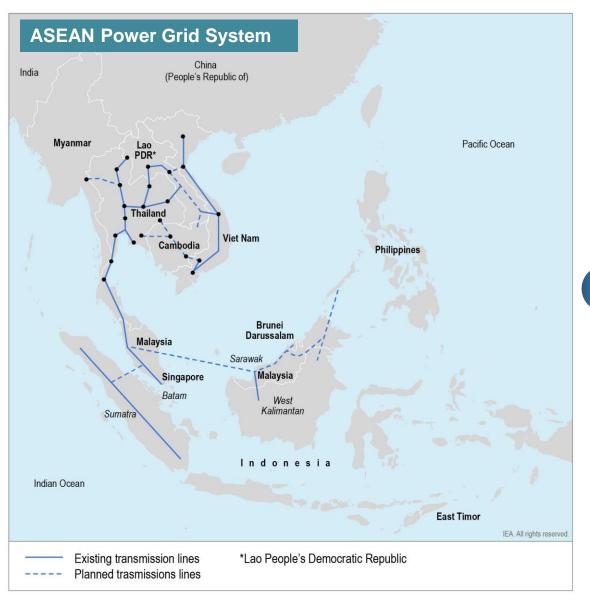


New energy **2,4 GW** 



The dream of **ASEAN Power Grid** reflecting a great mission of prosperity for all ASEAN countries. This dream **can be achieved** through **collaborations**.





#### Reflecting the spirit of:







### PLN cannot bear these burden alone. Combating climate change is a global effort. We collaborates to accelerate Energy Transition Agenda...



























# Transition of Energy

Accelerating **Growth** of Economy





















