



MINISTRY OF ENERGY AND MINERAL RESOURCES
REPUBLIC OF INDONESIA

District Cooling System in Indonesia

Presented at the 21st APEC Workshop on Energy Statistics

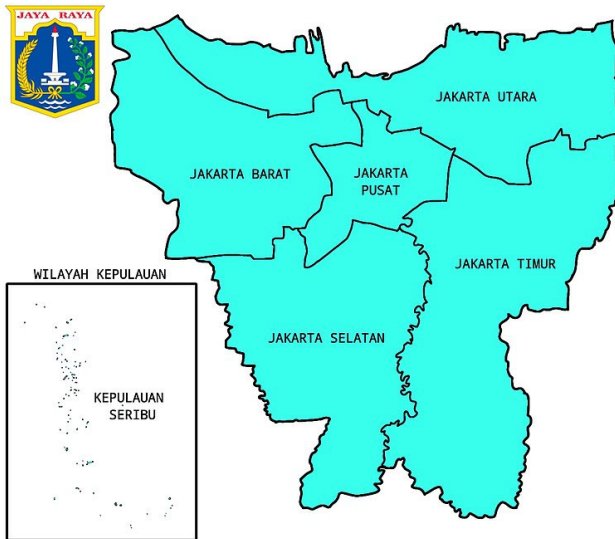
Tokyo | 12-14 September 2023

#EnergyTransition



The New Capital City of Indonesia

PETA PROVINSI
DAERAH KHUSUS IBUKOTA (DKI JAKARTA)



JAKARTA



PETA PROVINSI
KALIMANTAN TIMUR



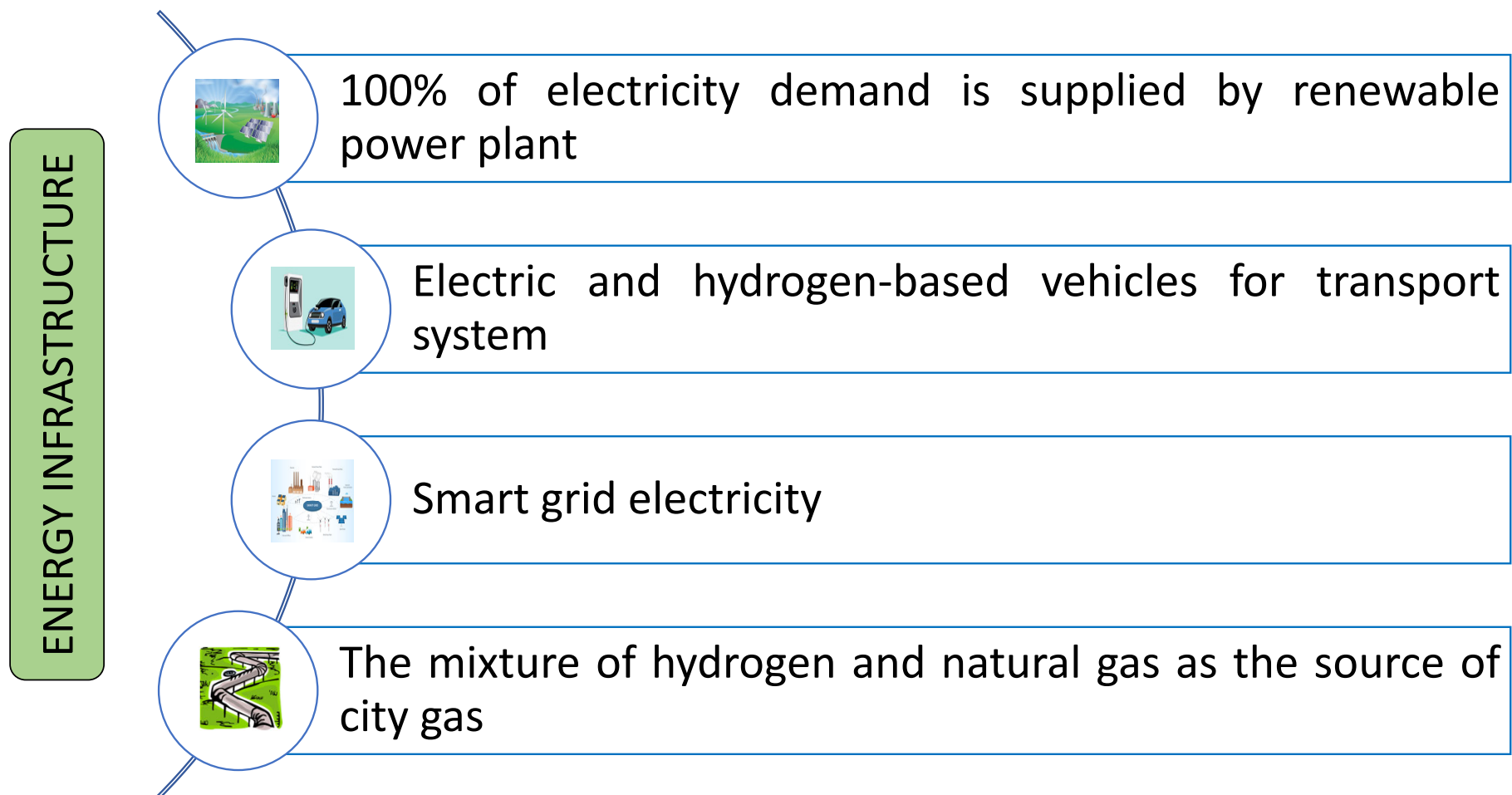
EAST KALIMANTAN

Vision :

1. Symbol of National Identity
2. Sustainable City
3. Economic Drivers in the Future

The capital city of Indonesia is going to move from Jakarta to East Kalimantan entirely in 2045 (Law Number 3 of 2022)

Master Plan for The New Capital City : Energy Infrastructure



District Cooling System : One Way to Create a Sustainable City

The relocation of the New Capital City is momentum for implementing a district cooling system to create a sustainable environment, aligns with the Net Zero Emission target by 2060 or sooner.

The plan to implement a district cooling system in the New Capital City supports the Net Zero Energy Buildings (NZE) program.

The government is still discussing with the stakeholders the potential and challenges of implementing the district cooling system in the New Capital City.

Net Zero Energy Buildings or Nearly Zero Emission Buildings are some of the terms used about buildings, where the energy demand has been reduced and where most or all the energy needed for the building for heating, cooling, lighting etc. is produced by on-site renewable energy or renewable energy produced close to the building

District Cooling System : One Way to Create a Sustainable City (Continued)

Road to Jababeka Silicon Valley (Correctio): Build a Net-Zero Industrial Cluster Ecosystem in Correctio, Jababeka Signs MoU with Mitsubishi Heavy Industries



The early step of the partnership between Jababeka and Mitsubishi Heavy Industries (MHI) is initiating a feasibility study on the district cooling system, which aligns with Jababeka's vision to realize a Net Zero Industrial Cluster in Correctio.

1. Currently, there is no available data on district cooling systems in Indonesia.
2. Once implemented, who will collect the data?
 - It could be The Directorate General of New Renewable Energy, a working unit under the MEMR, which has the authority to collect data on energy consumption from businesses utilizing new renewable technologies.
 - Moreover, district cooling systems are expected to be one of the measures implemented to mitigate greenhouse gas emissions from the energy sector.
3. However, the process of incorporating district cooling systems into the energy balance table requires further clarification.



KEMENTERIAN
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Thank You

