



# Singapore International Energy Week 2024

Sarawak Towards a Connected and Sustainable Energy World

The Right Honourable Datuk Patinggi Tan Sri (Dr)  
Abang Haji Abdul Rahman Zohari bin Tun Datuk Abang Haji Openg  
Premier of Sarawak





# Sarawak Corridor of Renewable Energy (SCORE)

Precursor to attract energy intensive industries



# SARAWAK SCORE

CORRIDOR OF RENEWABLE ENERGY



# Significant renewable hydropower potential in Sarawak



## Batang Ai

- 94MW Available Capacity
- Commissioned in 1985



## Bakun

- 2,520MW Available Capacity
- Commissioned in 2011



## Murum

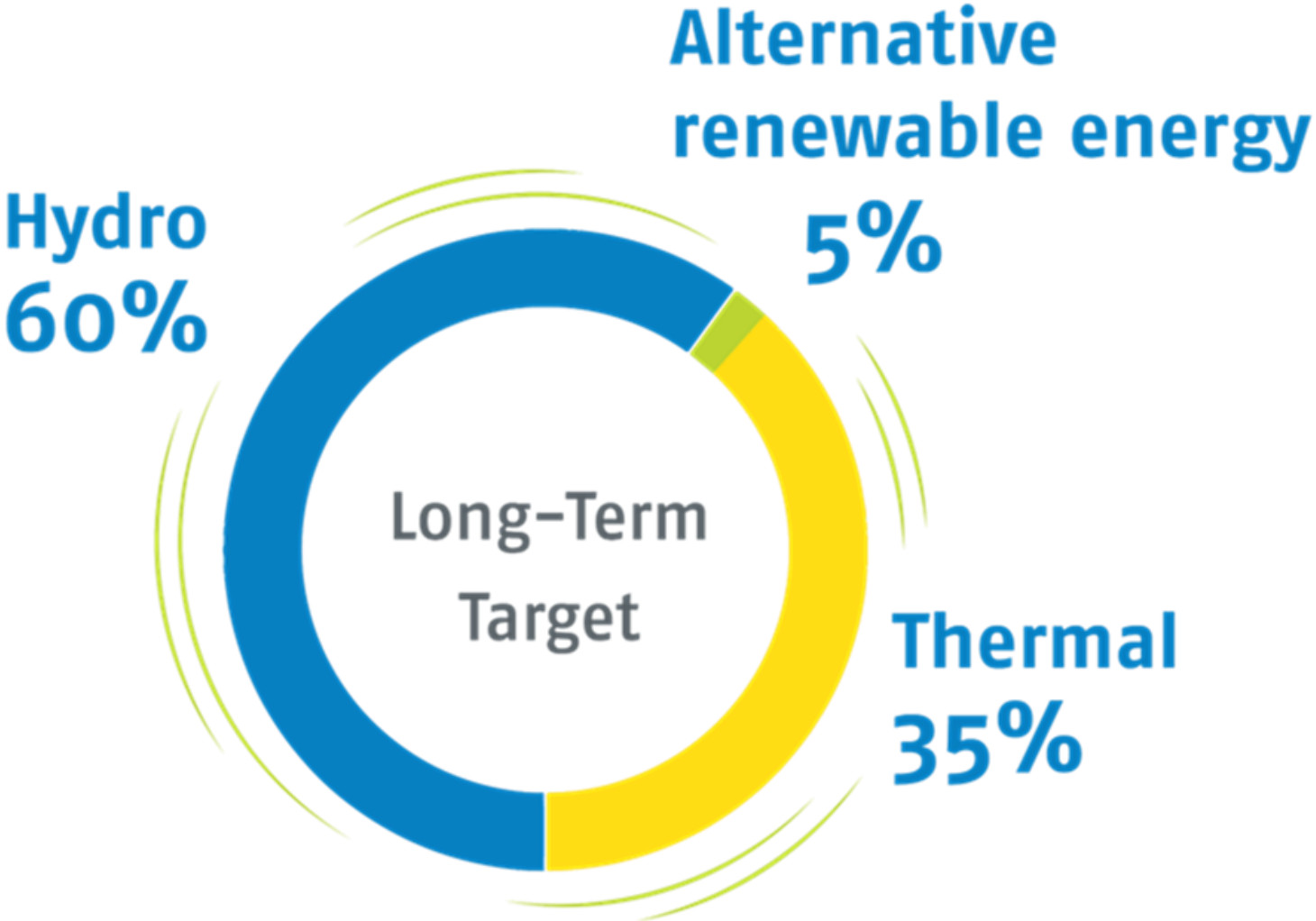
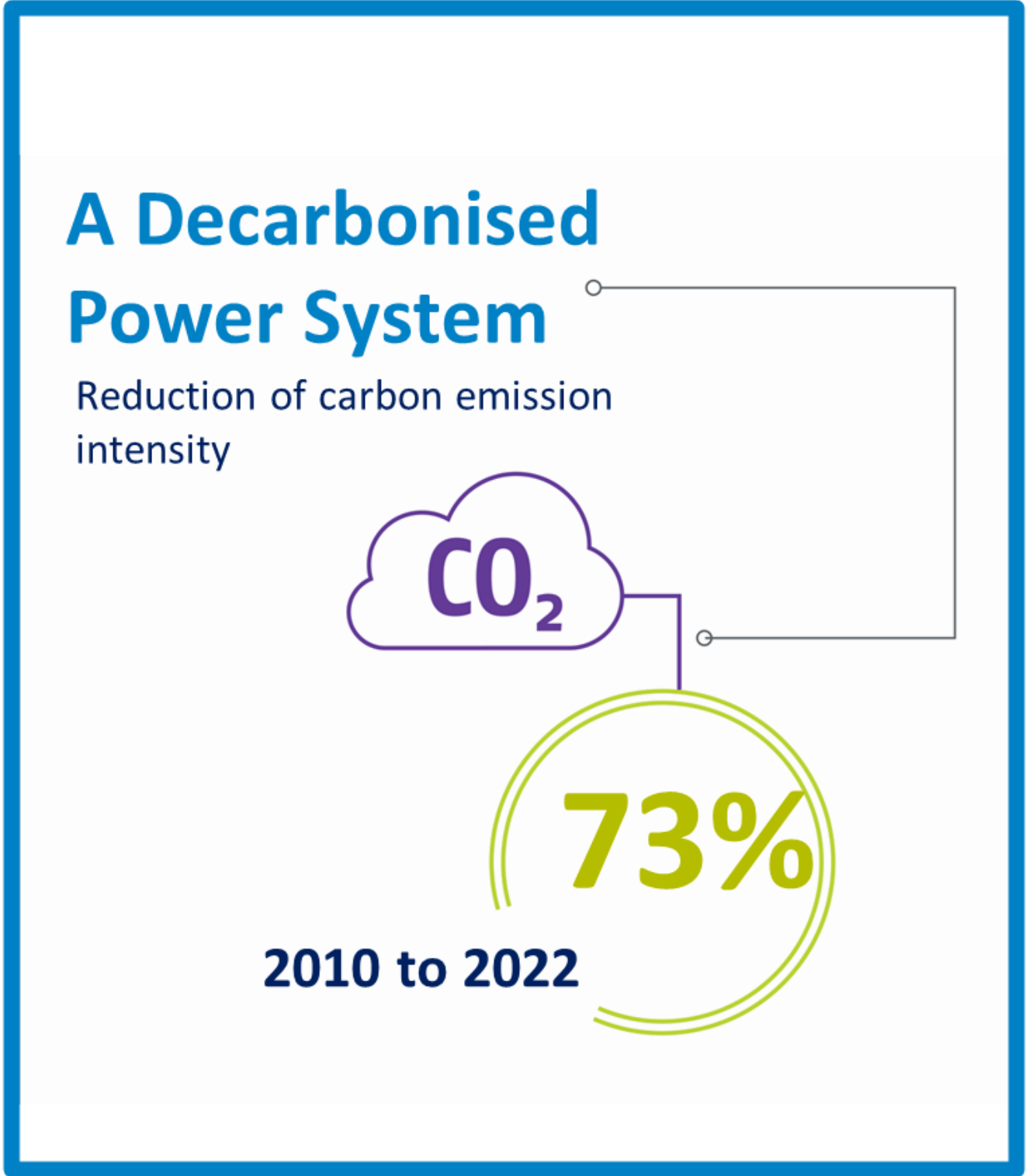
- 2,520MW Available Capacity
- Commissioned in 2011



## Baleh

- 2,520MW Available Capacity
- Commissioned in 2011

# Energy transition in Sarawak



- Predominantly renewable hydropower
- Complemented by indigenous coal and gas for security of supply
- Advancing into renewable energy like solar

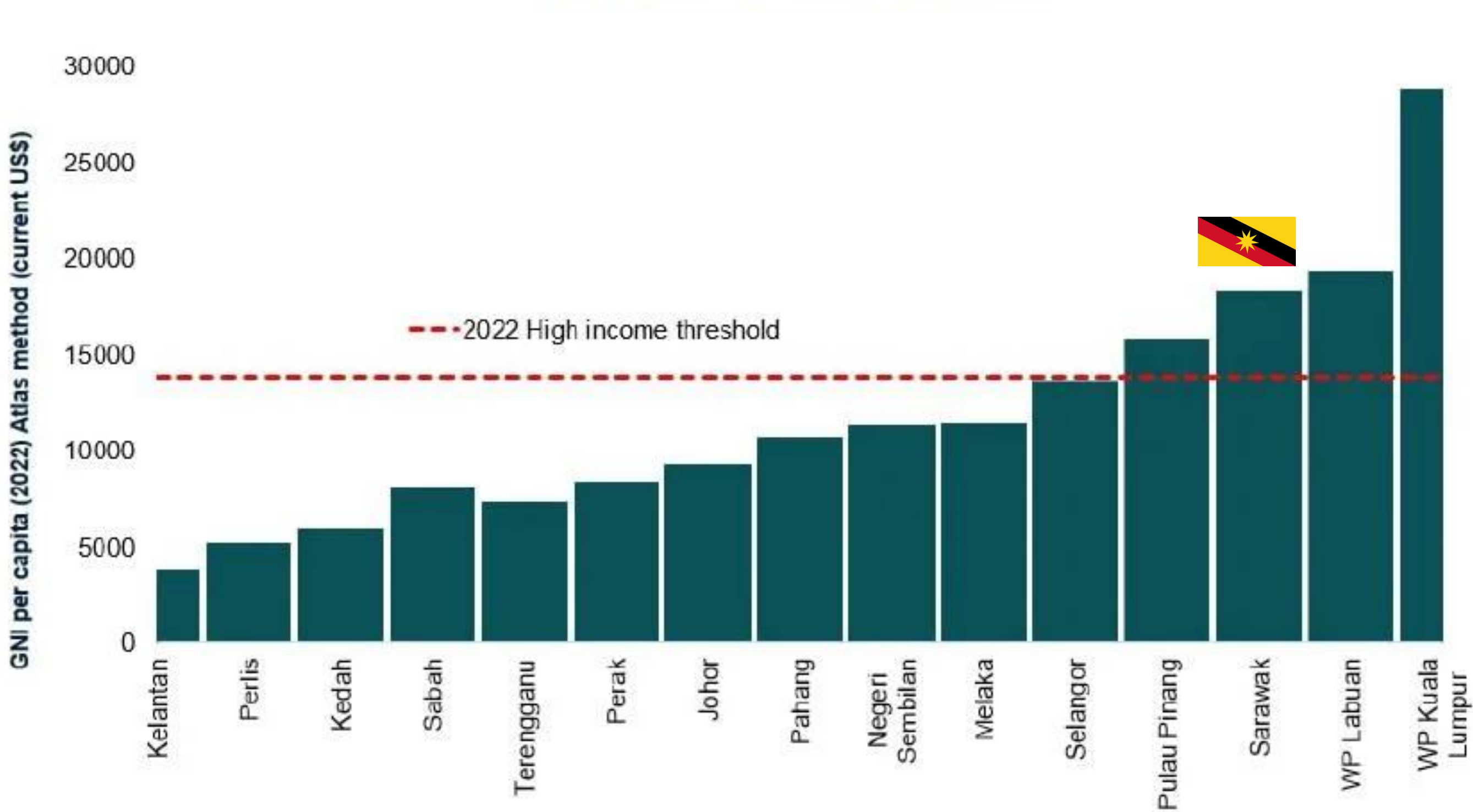
# Post COVID-19 Development Strategy 2030

By 2030, Sarawak envisions a prosperous society led by data and innovation, ensuring economic prosperity and environmental sustainability for all

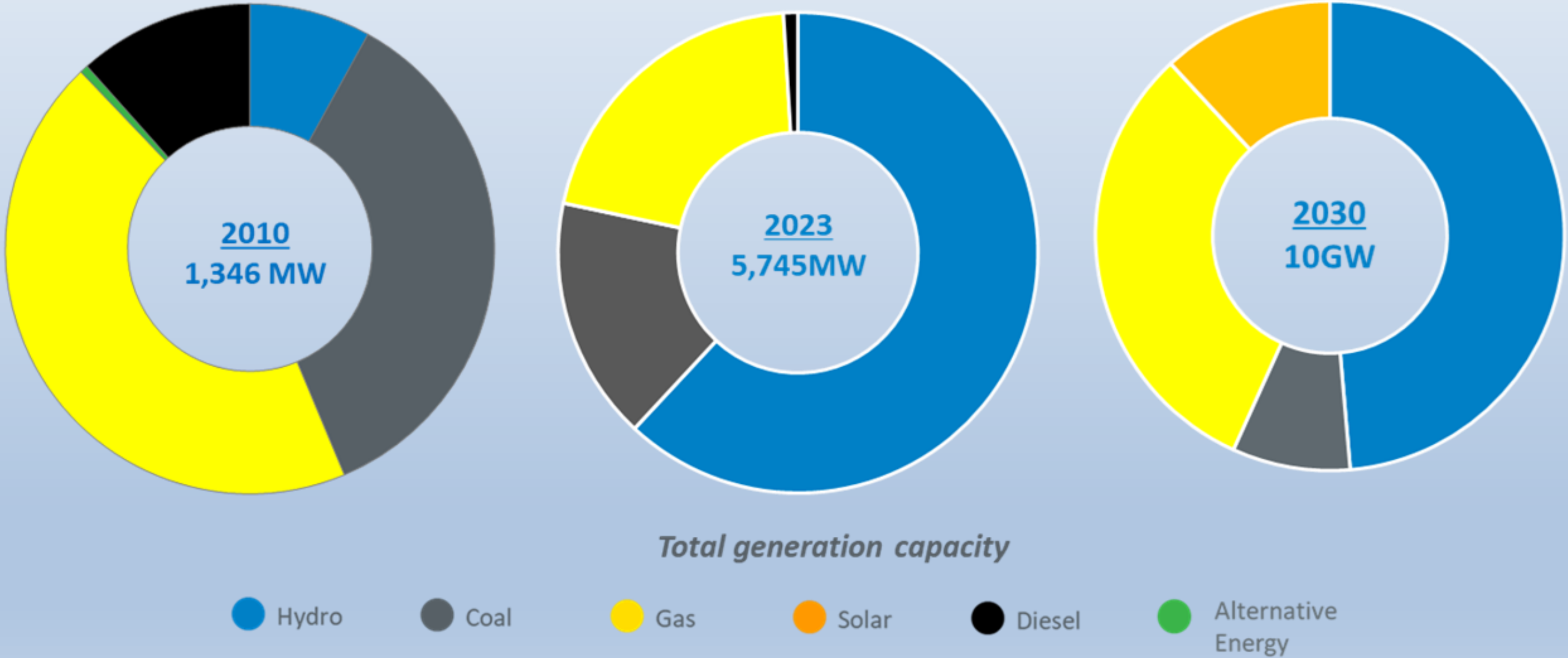


Renewable energy as a key enabler

# WORLD BANK RECOGNISES SARAWAK AS A HIGH-INCOME STATE



# Sarawak is on track to double the total generation capacity to 10 GW by 2030 and 15 GW by 2035





# Expansion of renewable energy footprint and portfolio



**Floating solar**  
**Large scale solar**



**Hydropower including**  
**Cascading Power Sources**  
**& Pumped Storage**



**Biomass**  
**e.g. wood pellet,**  
**napier grass**



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# Batang Ai Solar Farm

**Malaysia's largest floating solar facility, covering 86 hectares of the reservoir's surface while occupying less than 2% of the total lake area**

**Expected to offset around 52 kilo tonnes of carbon emissions annually**

# Pump Hydro Energy Storage

Commitment to new green solutions and sustainability



Study mission hosted by the Australian Government



Potential for PHES Technology to be paired with floating solar

# Cascading power sources



Exploring CPS to further progress the development of sustainable energy



Maximise the use of river systems for sustainable hydroelectric power generation, with enhanced energy production efficiency with a smaller footprint

# Biomass

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**The Sarawak Government** is exploring the technical feasibility and commercial viability of **generating power via biomass**

- Drax Power Station a model of sustainable energy practices since it has effectively switched from coal to bioenergy, using biomass in place of coal
- Opens up opportunities to use other raw materials, supporting our goal of integrating biomass into our energy mix



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# Napier grass as another source of renewable energy feedstock

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# SARAWAK AS A GREEN HYDROGEN HUB

Sarawak Energy  
**Hydrogen**  
Refueling Station



ZERO  
EMISSIONS

ver to Grow

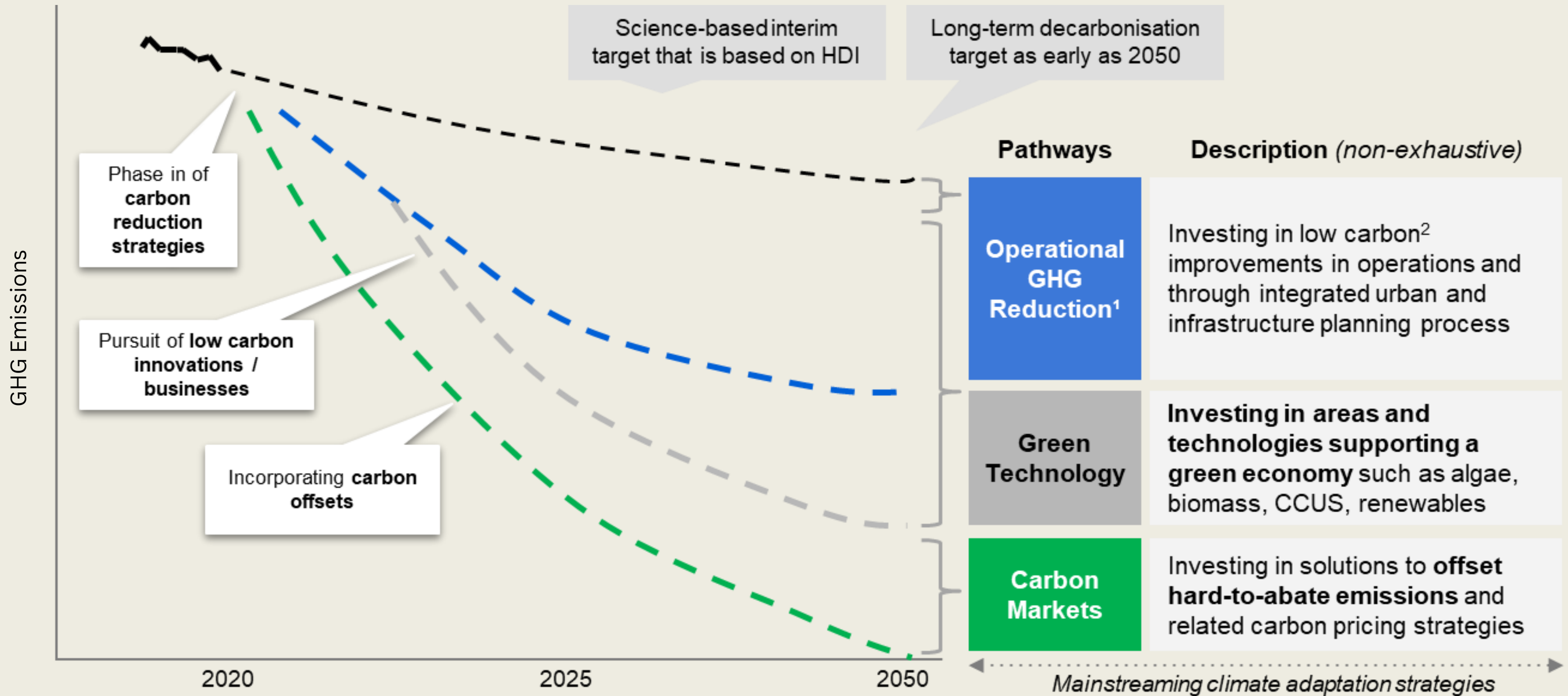


# Autonomous Rapid Transit(ART) powered by green hydrogen





# Net Zero Strategy Sarawak



# Sarawak - contributing to a connected regional connectivity



# Towards becoming a renewable energy powerhouse

Sarawak is advancing efforts to realise the ASEAN Power Grid by pursuing bilateral transmission interconnections with our Southeast Asian neighbours, as part of our aspiration to become a regional powerhouse powered by renewable hydropower.



- Brunei
- Indonesia
- Malaysia
- Singapore

- Existing/Committed Interconnection
- Planned Interconnection

# Power exchange with neighbours



# Progressing renewable energy development In the region

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***Mentarang Induk HEP Project***

***Sarawak to West Malaysia and  
Singapore Planned Interconnection***

# Sarawak, contribute to the global landscape

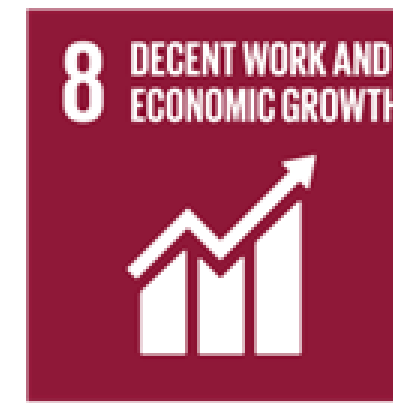


# SUSTAINABILITY & RENEWABLE ENERGY FORUM

 **SAREF 4.0**

**23-24 September 2025**  
Kuching, Sarawak, Malaysia

Visit [www.saref.com.my](http://www.saref.com.my), email [saref@sarawakenergy.com](mailto:saref@sarawakenergy.com) or scan this QR code for more information.



Join us at SAREF 4.0 in Malaysian Borneo, Kuching, Sarawak and be part of a movement towards a brighter, cleaner and more resilient energy landscape.





Thank You