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“Chinese Power Plants in Malaysia – Present & Future Development”

by

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# Locality : Kuching - Nanning





# Friendship Park (Taman Sahabat)



Statute of Admiral  
Zheng He

Malaysia-China

Friendship Globe



Orang Utan-Panda Bench





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# Chinese Technology in Sarawak, Malaysia



# Brick Making





# Pottery



Shaping of pottery by hand



Drying shaped pottery



Design carving



Design painting



Glazing



# Pottery

## Vases and pots sold at the factories



# Sarawak Energy Resources

- Oil
- Natural Gas
- Coal
- Hydropower



# Bintulu LNG – largest in the world





# Coal Reserve in Sarawak



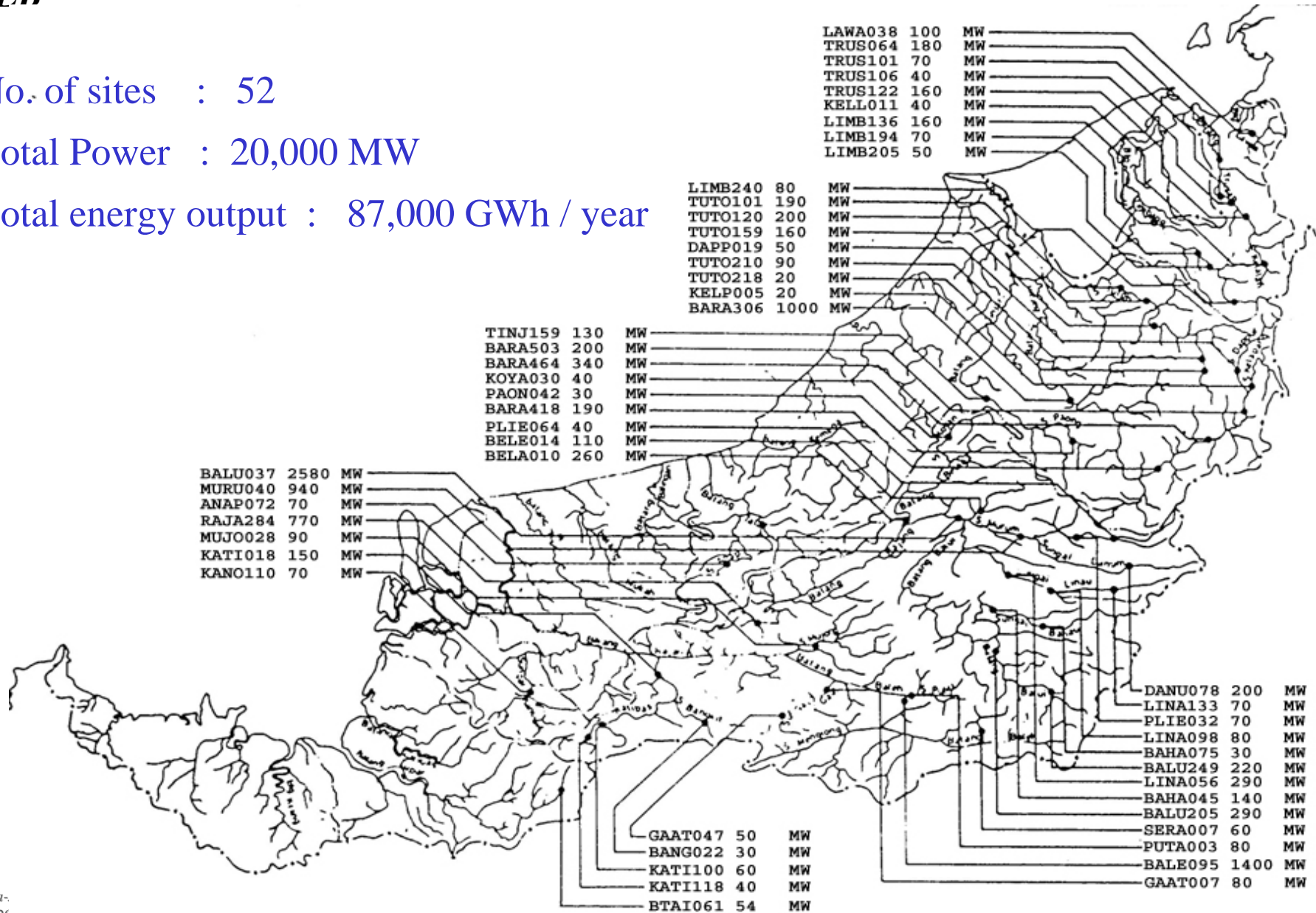


# Vast Hydropower Potential in Sarawak

No. of sites : 52

Total Power : 20,000 MW

Total energy output : 87,000 GWh / year



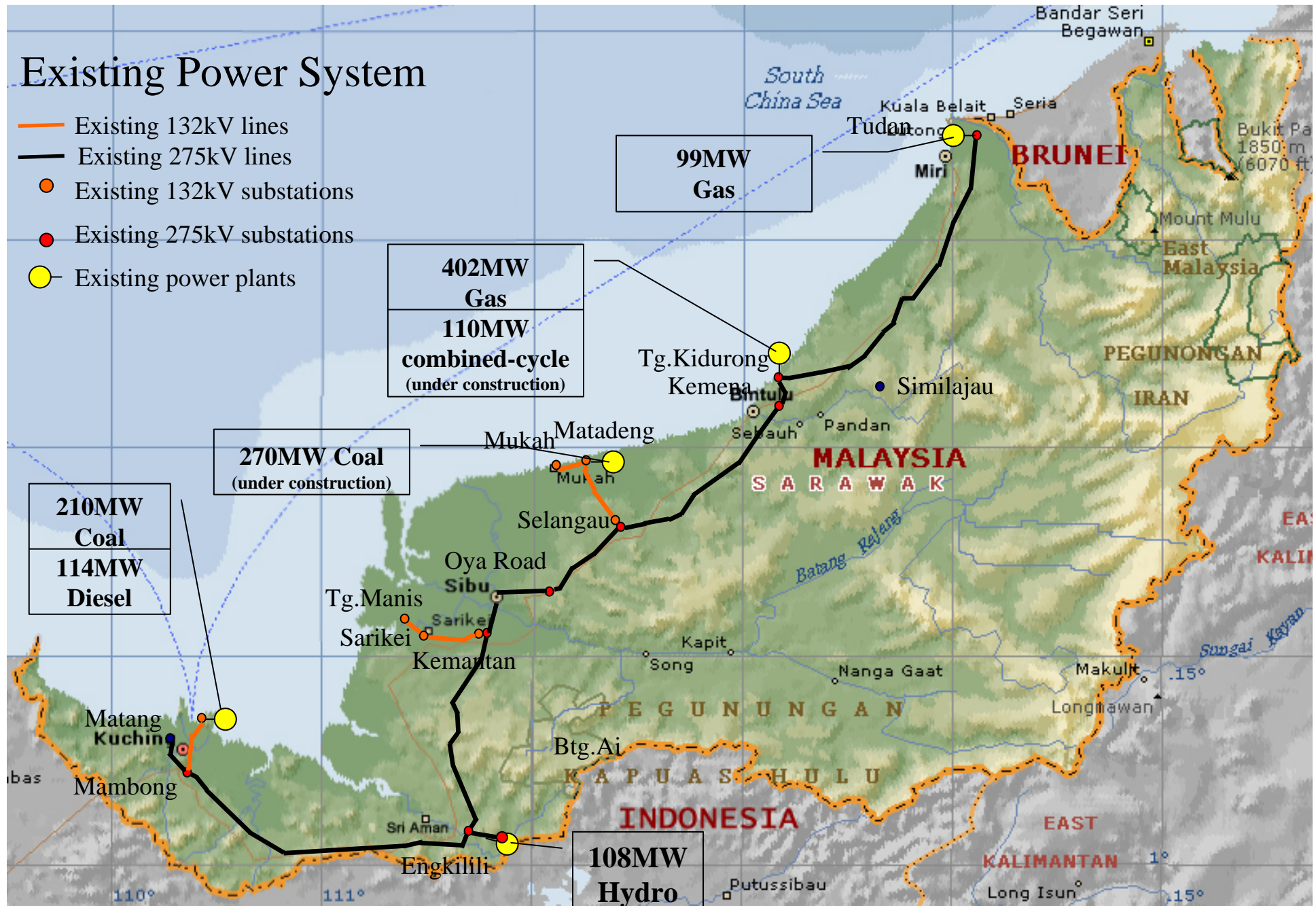


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# Sarawak Power System

# Existing Power System

- Existing 132kV lines
- Existing 275kV lines
- Existing 132kV substations
- Existing 275kV substations
- Existing power plants





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# Generation Mix



# 402MW Bintulu Gas Turbine Power Station

Gas - 60% of Generation Mix





# 210MW Sejingkat Coal-Fired Power Station, Kuching

Coal - 25% of Generation Mix

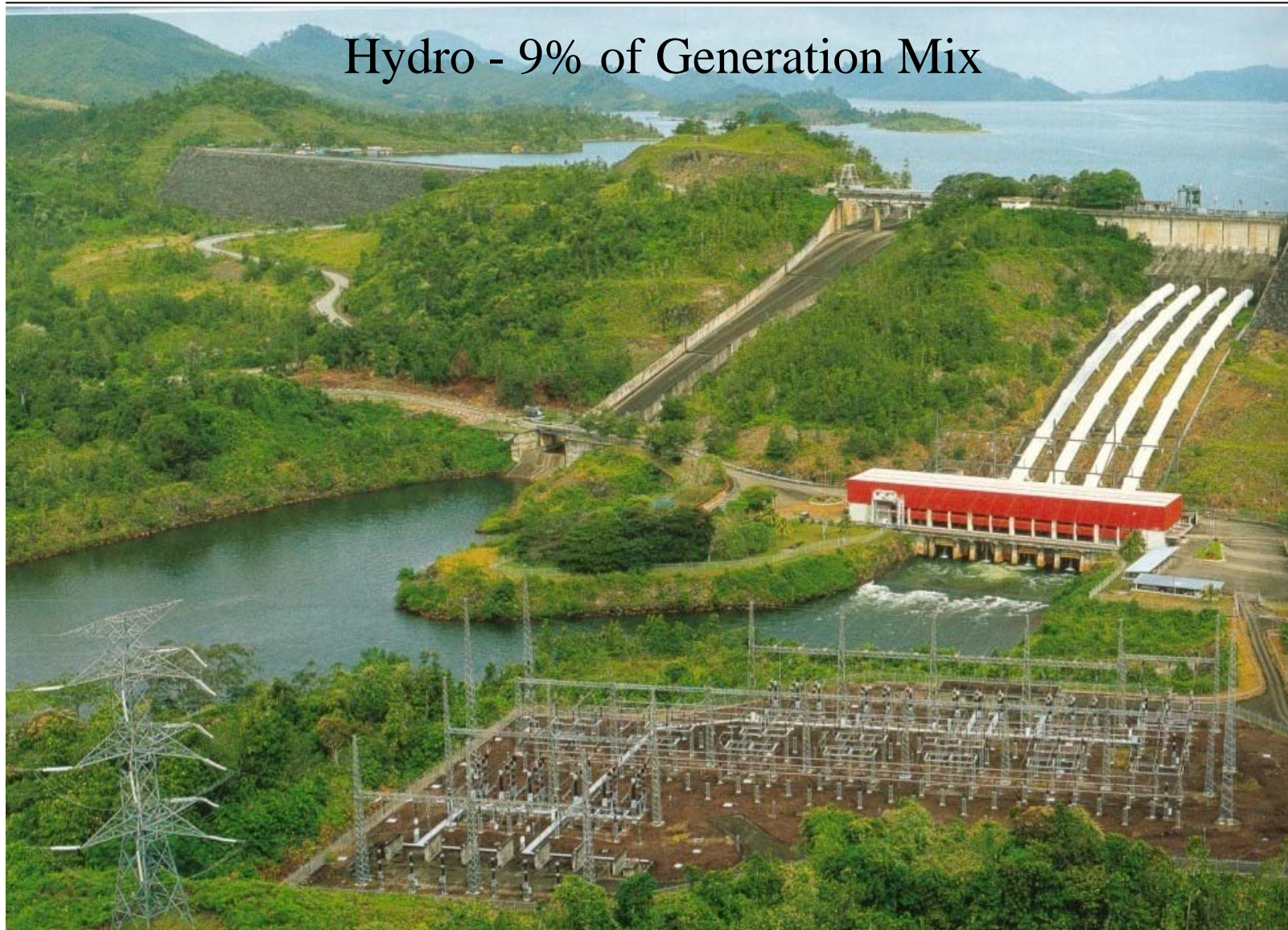






# 108MW Batang Ai Hydropower Station

Hydro - 9% of Generation Mix





# 114MW Biawak Oil-Fired Power Station

Oil – 6% of Generation Mix





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# Chinese Power Plants - Present Development



# 210MW Sejingkat Coal-Fired Power Station, Kuching



Phase I: 1998

Phase II: 2004



# 2400MW Bakun Hydroelectric Project

Bakun Dam (scheduled for completion in 2010)





# 2400MW Bakun Hydroelectric Project





# 270MW Mukah Coal-Fired Power Project

Scheduled for completion in Oct 2008





# 270MW Mukah Coal-Fired Power Project







# 270MW Mukah Coal-Fired Power Project





# 132kV Transmission Line to Mukah Project

(nearing completion)





# 132 kV Transmission Line to Mukah Project





# 110MW Bintulu Combined-Cycle Project

(Scheduled for completion in Oct 2009)



# Chinese Power Plants - Future Development

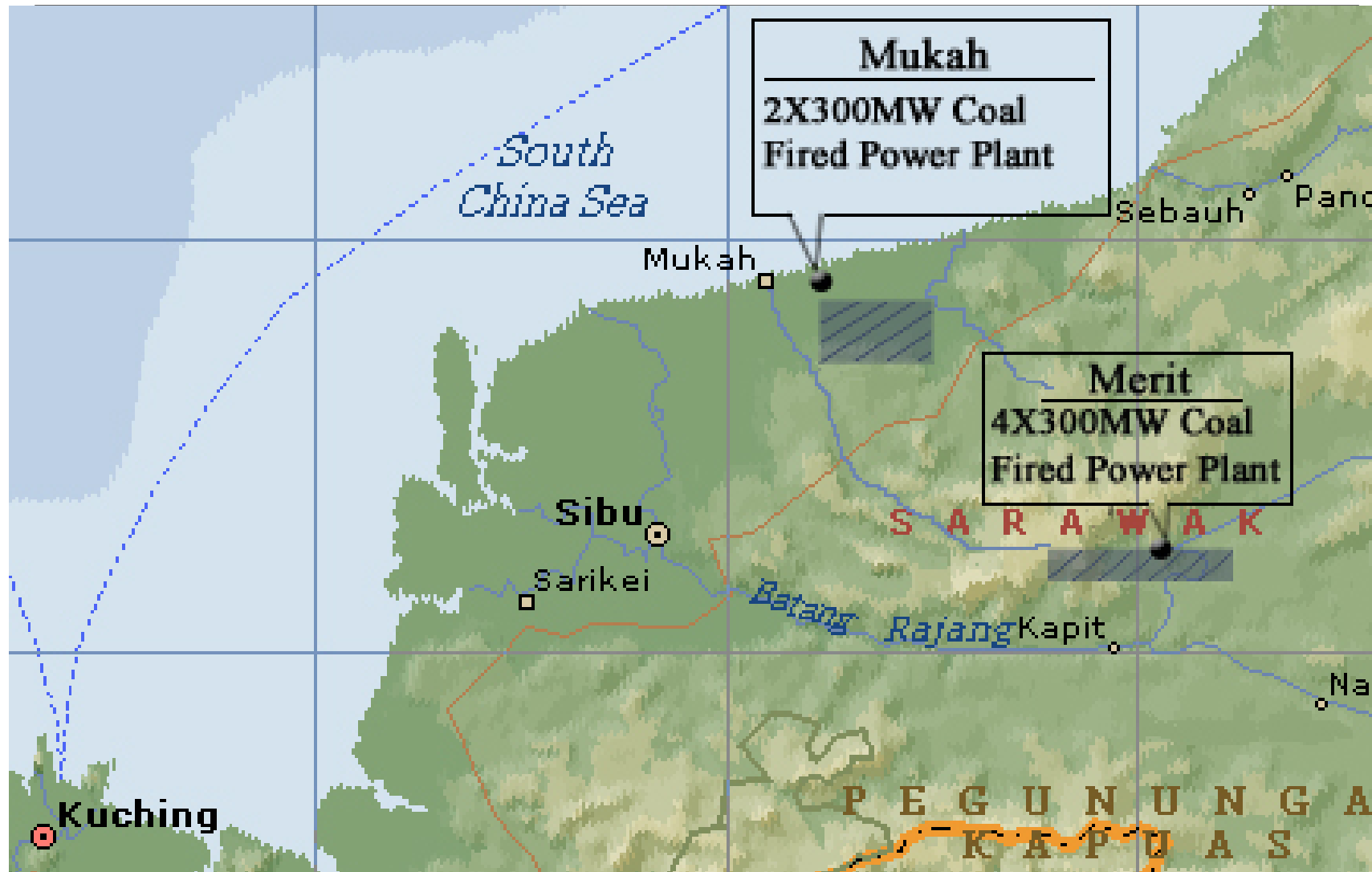


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# Coal-Fired Power Projects



# Coal-Fired Power Projects





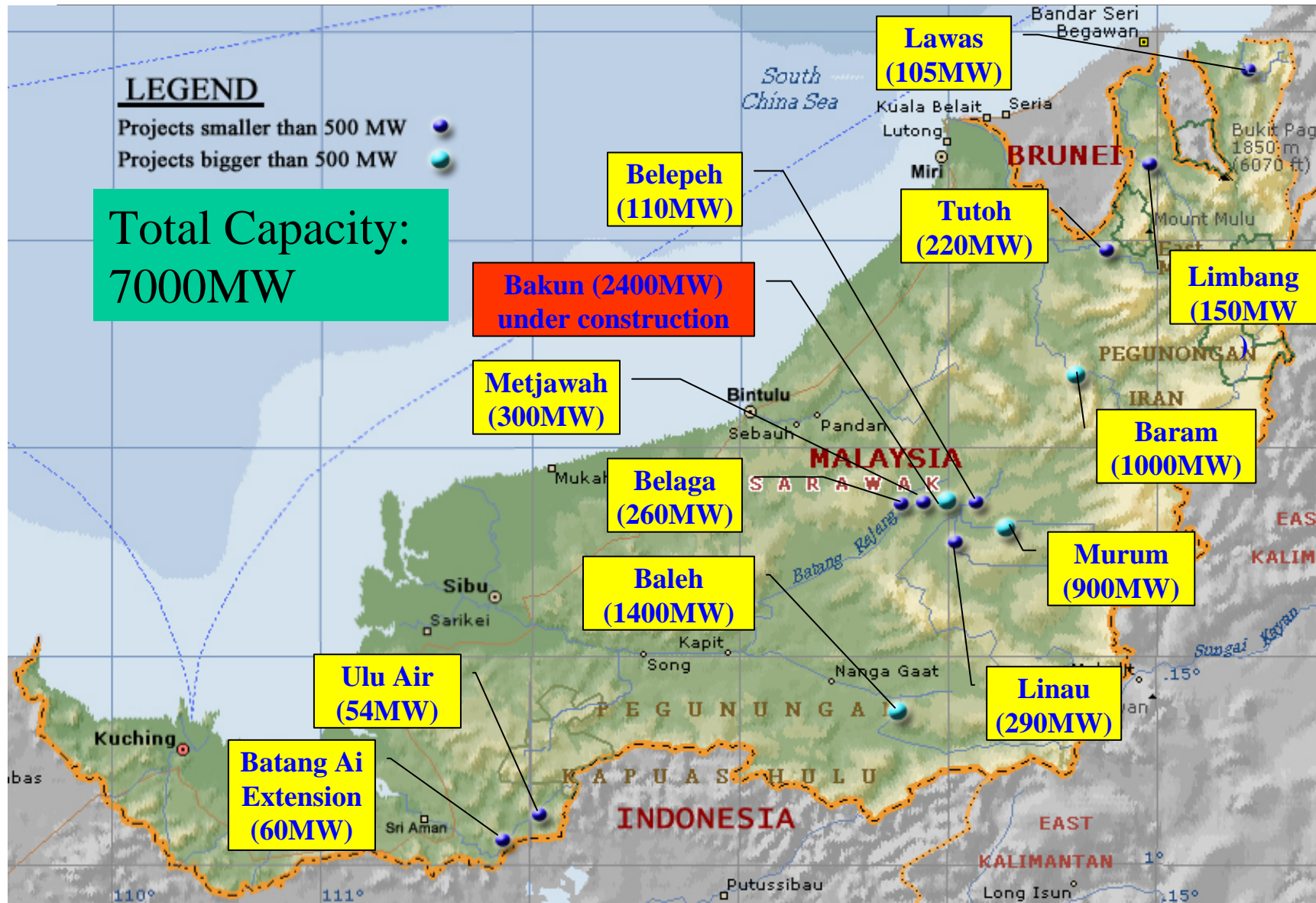
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# Hydropower Projects





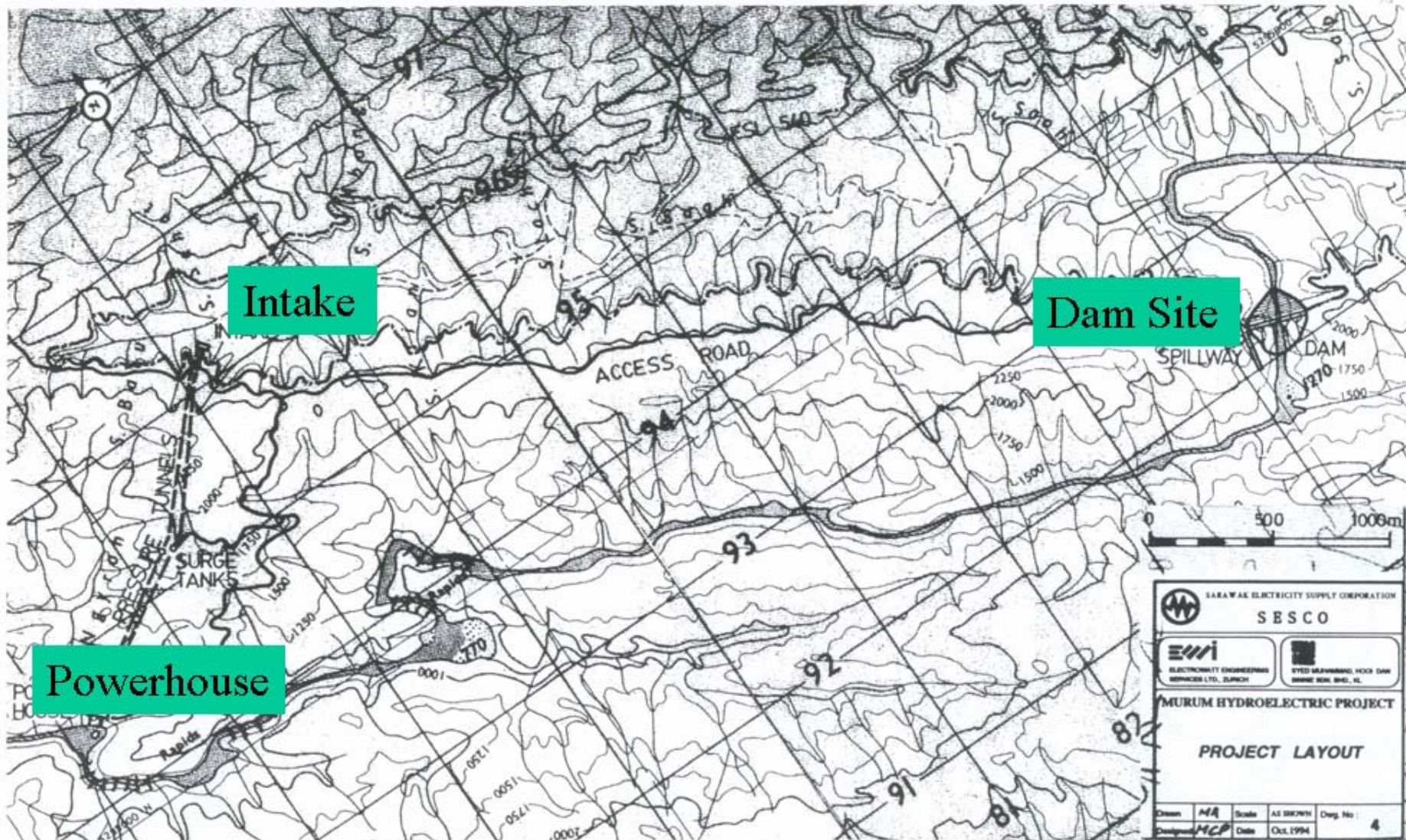
# Hydropower Projects in Sarawak 2008 -2020





# 900MW Murum Hydropower Project

Construction scheduled to start next year





# Murum Dam Site – Looking Downstream

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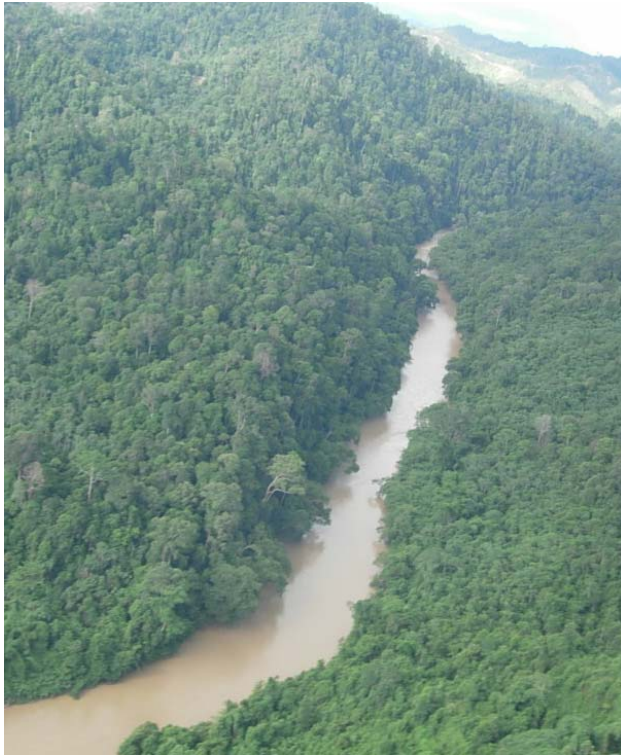
# MOU Signing on Murum





# Limbang Dam Site (150MW)

Feasibility Study already commenced





## Baram Dam Site (1000MW)

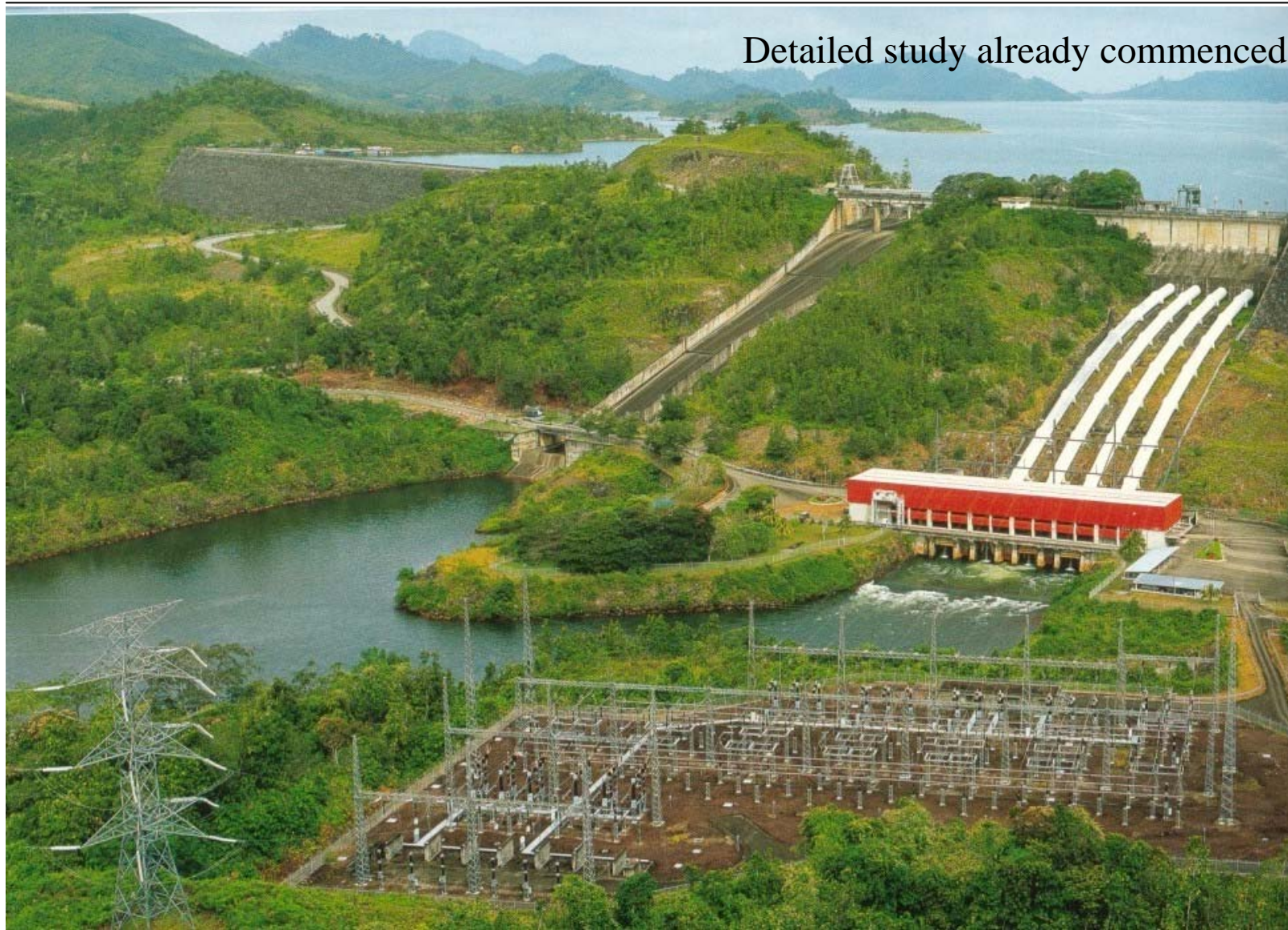
Pre-feasibility study already commenced





# Batang Ai Hydropower Station Extension

Detailed study already commenced





# Metjawah Dam Site (300MW)

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# Baleh Dam Site (1400MW)





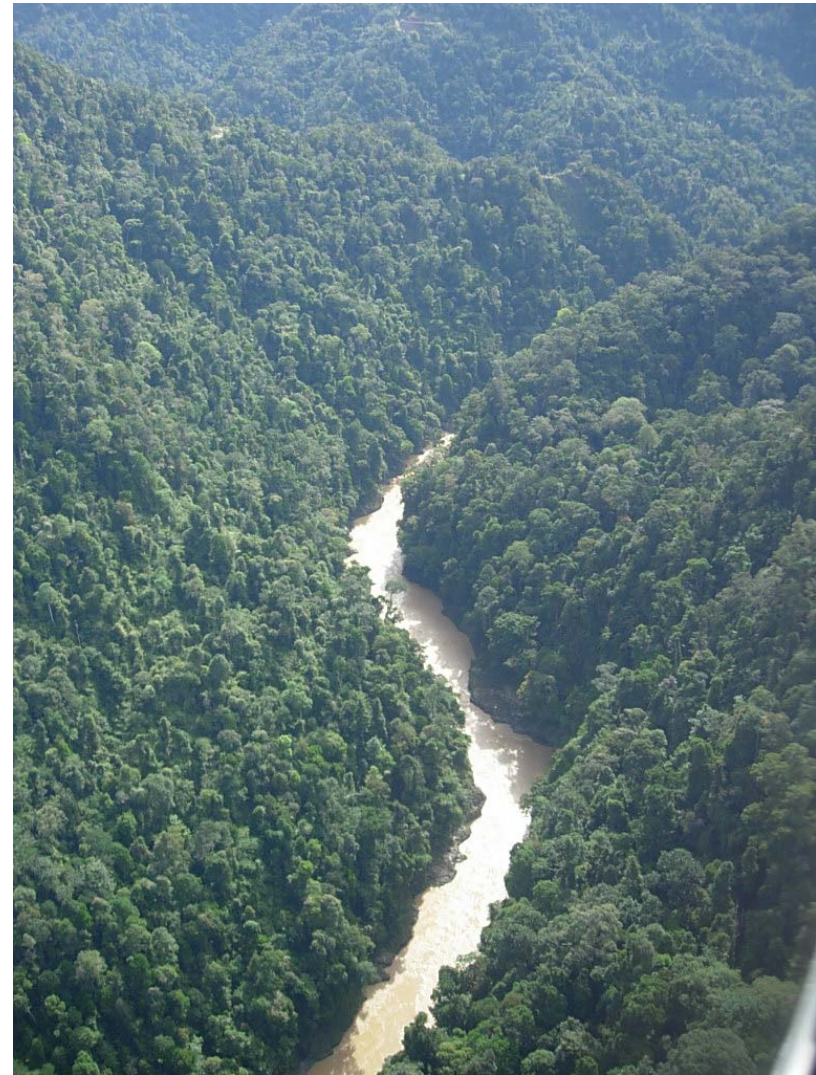
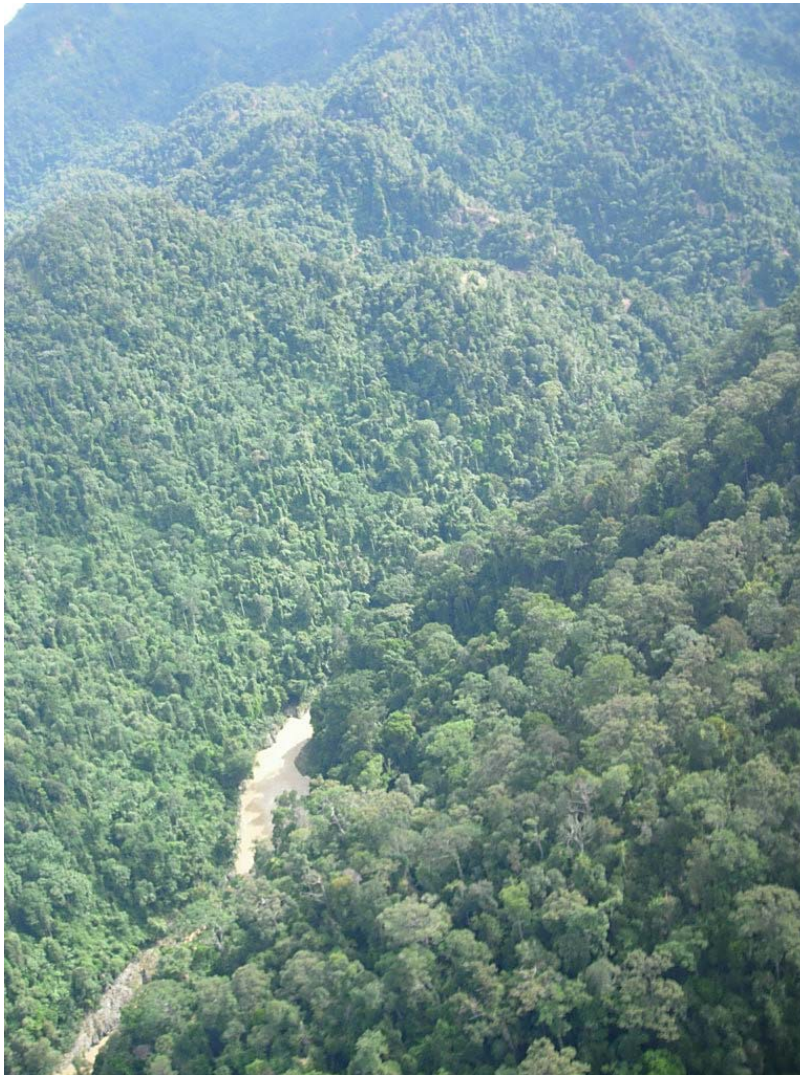
## Belaga Dam Site (260MW)





# Tutoh Dam Site (220MW)

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# Combined-Cycle Project



# 110MW Miri Combined-Cycle Project



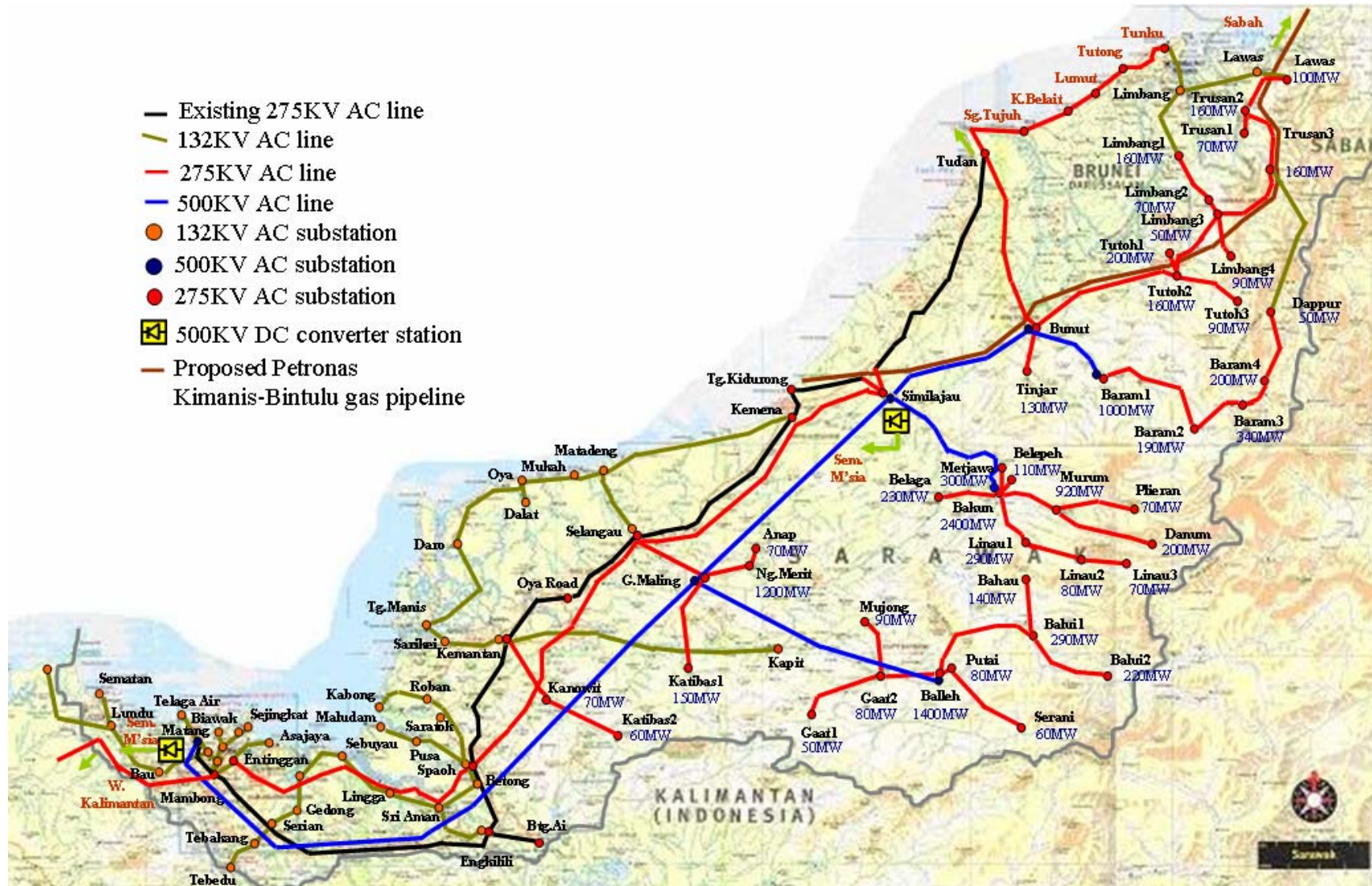


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# Far into the future...



# Future Power System Development Plan





# Thank You!