EDEVU HYDROPOWER

AG GROUP (AG INVESTMENT | AG ENERGY)

AG Airport Portfolio

Kagamuga Airport Hagen



Goroka Airport Goroka



Momote Airport Manus



Kagamuga Airport Mt. Hagen



Titt



Momote Airport Manus

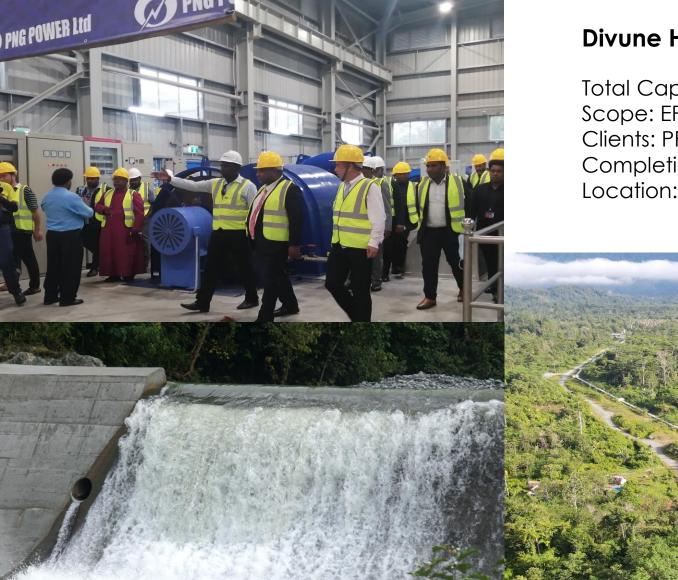


Air Niugini 🙀

Upper Baiyun Hydropower

Total Capacity: 9.4MW Scope: EPC Clients: PNG Forest Products Completion: Dec 2012 Location: Bulolo, Morobe Province





Divune Hydropower Project

Total Capacity: 3MW Scope: EPC Clients: PPL & ADB Completion: June 2021 Location: Kokoda, Oro Province



YTOD Hydropower Plant Upgrade

Total Capacity: 18MW Scope: EPC Clients: PPL & ADB Completion: Aug 2021 Location: Yonki –EHP



Ramu I Hydropower Upgrade

Total Capacity: 5x15MW Client: PPL & DFAT Completion: Ongoing from 2022 Location: Ramu, Eastern Highlands Province



Baime Hydropower Project

Total Capacity: 12MW Client: PNG Forest Products Completion: Nov 2022 Location: Bulolo, Morobe Province



Bapa Hydropower Project

Total Capacity: 12 MW Scope: Power Tunnel Clients: AG Energy Ltd. Status: In progress Location: Bulolo, Morobe Province



Bapa Hydro Power Tunnel Breakthrough

- Breakthrough Ceremony, 20th August, 2023

- Prime Minister Visit, 9th November, 2023

A Case of Green Energy Edevu Hydropower Project

54MW PGK650 Million 14 Years Practical Developer +Landowners +Government = Success

added als



Edevu Hydro Pioneering renewable Solar Energy

- 1MW floating solar being installed
- 5MW total planned

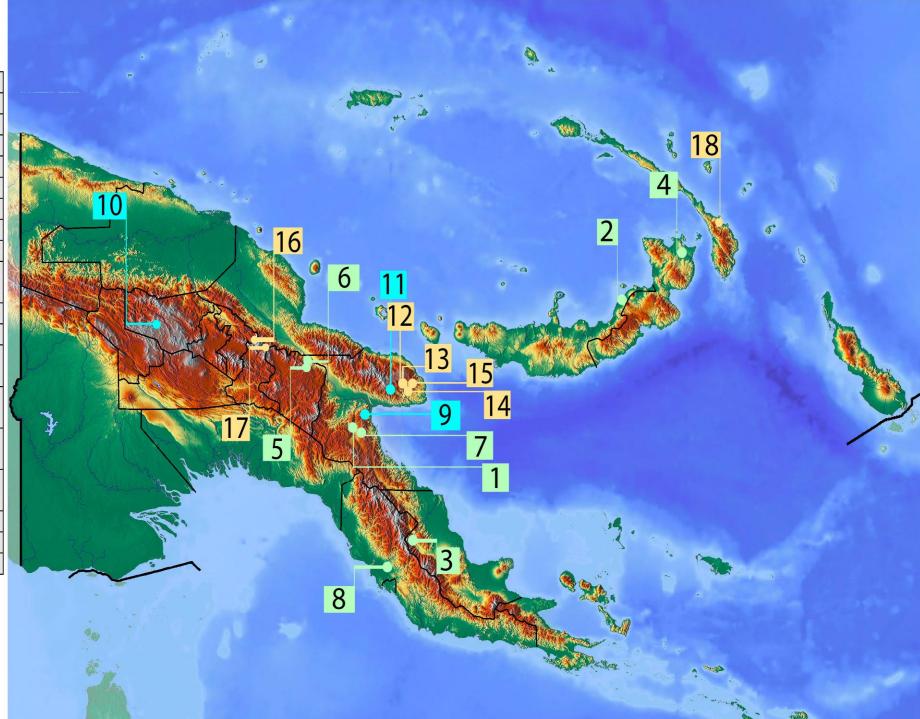


Edevu – Moitaka Transmission Line

- 132 KV Double Circuit
- 2 Substations
- 35 Km
- Completion 2023

	Project Area(s)	Capacity	Notes	
1	Upper Baiune	9.4MW	2012	
2	Lake Hargy	1.4MW	2019	
3	Divune HPP	3MW	2020	
4	Warrangoi HPP	10MW	2021	
5	Yonki TOD	18MW	2021	
6	Ramu I repair	30 MW	2021	
7	Baime HPP	12MW	2023	
8	Edevu HPP	54MW	2023	
9	Bapa HPP	12MW	Tunnel	
			Breakthrough	
10	Pilikambi HPP	20MW	Pre-construction	
11	Burum II HPP	20MW	Pre-construction	
12	BURUM Cascades	100-120MW	FS/Finschhafen	
	1+3 to 5 (4)			
13	KUAT Cascades	45-65MW	FS/Finschhafen	
	1 to 4 (4)			
14	MONGI Cascades	400-465MW	FS/Finschhafen	
_	1 to 7 (7)			
15	MAPE Cascades	20-30MW	FS/Finschhafen	
	1 to 2 (2)			
16	Gembogl HPP	6 MW	FS/Kundiawa	
17	Simbu HPP	18MW	FS/Sinesine	
18	Dalum HPP	7MW	FS/Namatanai	

Completed In Progress Feasibility Study



Hydropower Potential World Bank Report (1994) Estimate

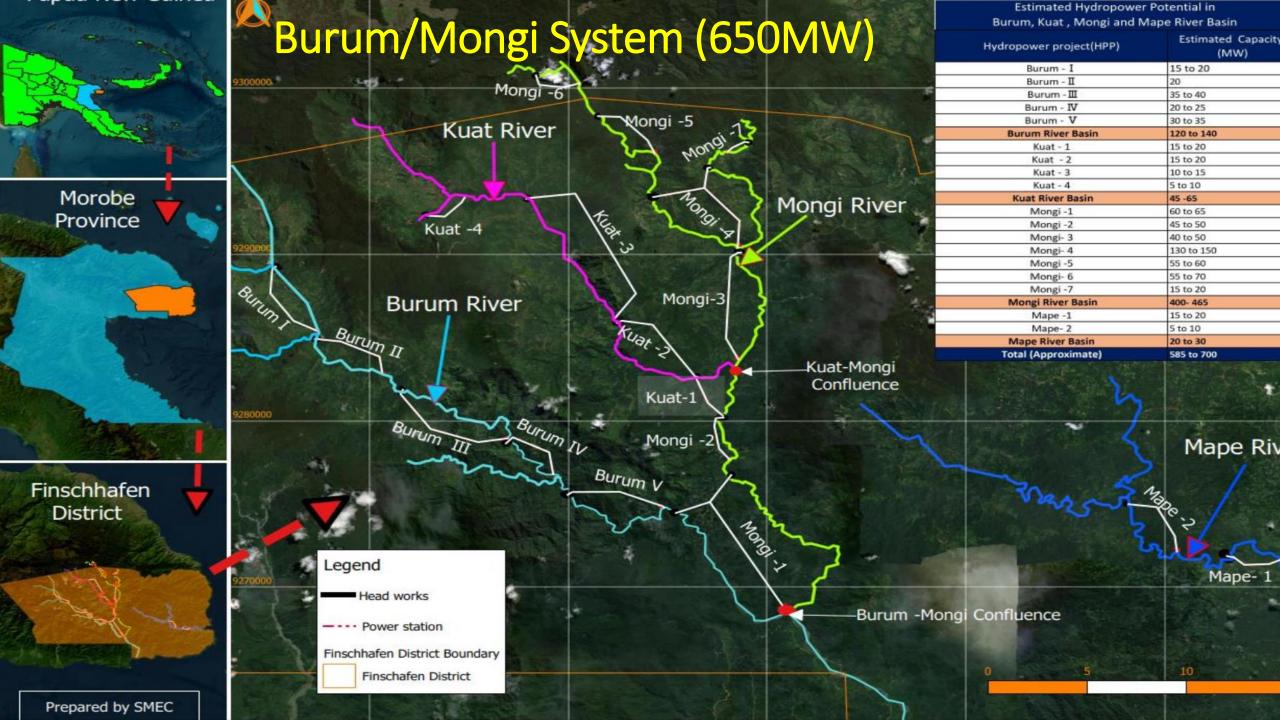
- Gross Potential 20,000 MW
- Technically Feasible 14,000 MW
- One of the highest hydropower potential per head in the world
- To date total generation is just 2% of potential

1	Large Potential Hydros			
	Purari	2500MW	Gulf	
	Waghi/ Karamui	1800MW	Simbu	
	Ramu II	180MW	Eastern Highlands	
	Narou Brown	120MW	Central	
	Burum Mongi	650mw	Morobe	

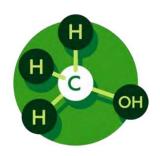


PNG Blessed with Abundant Hydropower

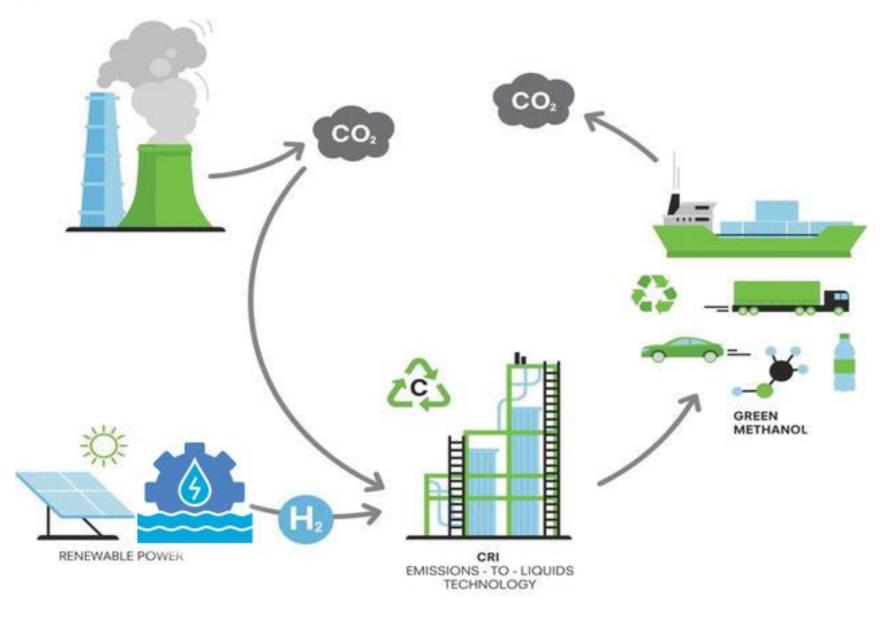
- Good heads due to mountainous terrain
- Plenty rainfall due to tropical weather
- Natural reservoir due to big forest cover



Hydro Energy & E- Methanol A Net Zero Pathway



- Back in 2011, commercial scale production process of methanol out of CO₂ and hydrogen was established.
- Our zero carbon hydro energy can produce green hydrogen to react with captured CO₂ for E methanol
- COP28 UAE of United Nations Climare Change Conference will definetely achieve firm commitments for green energy.
- The Era of PNG is coming as a key
 hydrogen & E methanol provider



- Green methanol is 100% carbon neutral and can power our decarbonized future
- In 2021 shipping giant Maersk ordered the global first methanol enabled vessels and in 2023 fresh oder of bigger vessel was again placed.
- By now over 100 methanol fueled shipps are on order (CMA CGM ,COSCO, MSC and HMM etc)
 - With the government commitment and gigantic green energy potential PNG is an investment paradise of green energy, be it hydro, hydrogen or methanol.



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