



# THE 2025 PETROLEUM & ENERGY CONFERENCE



**Hydro Power Needs Bankable Land Access**

ALLAN GUO  
Date: 9<sup>th</sup> OCT



# Section 1

# Exciting Energy Resources

- 1 Papua New Guinea Does Have
  - ) Substantial Sustainable Renewable Energy
- 2 By Today's Technology and Climate
  - ) Imposed Aspiration PNG Can Have a Secure Economy Based on Green Energy Intensive Intrusives and Energy Export.



# Vast Hydro Energy Potential

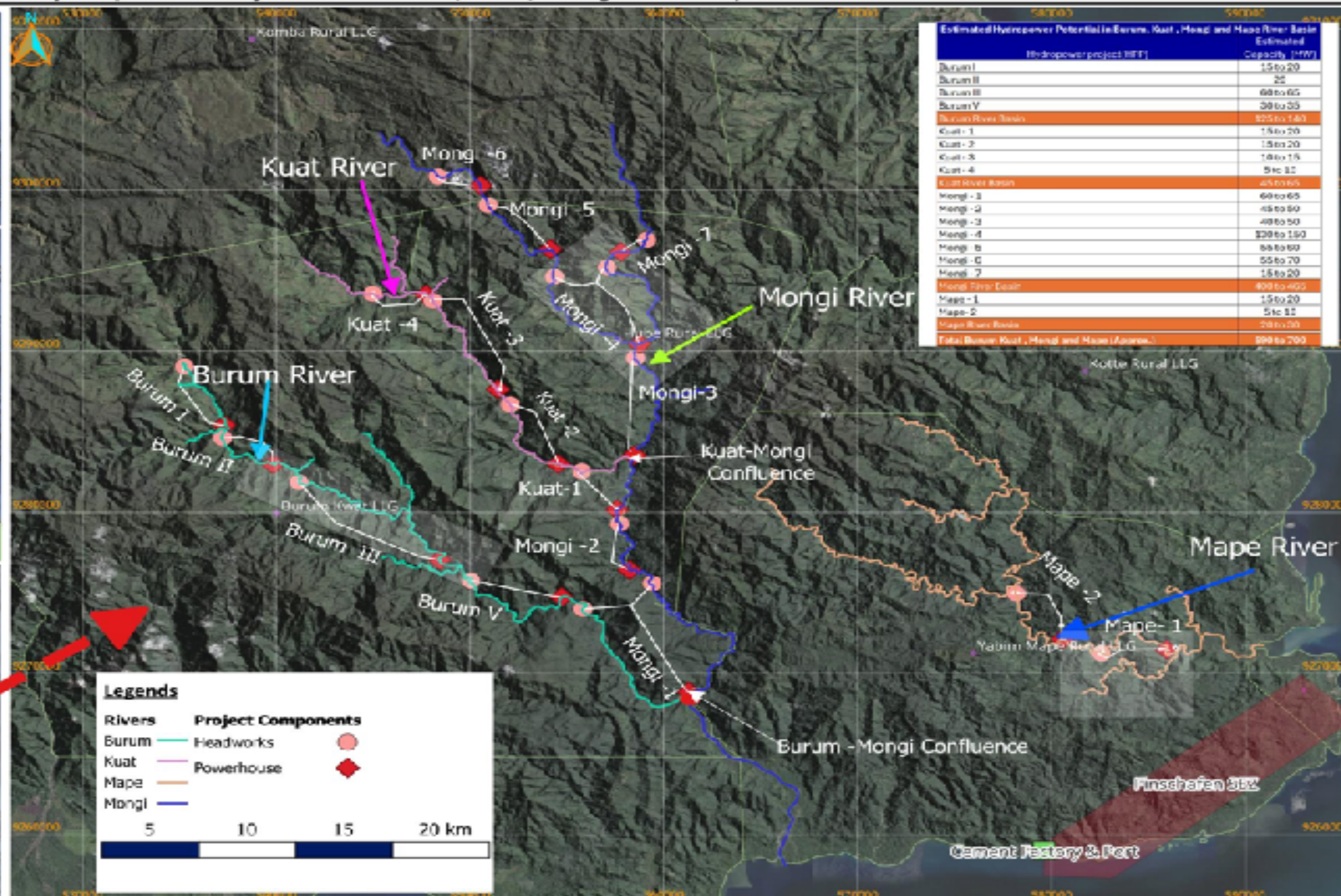


## World Bank Report (1994)

- Gross Potential –20,000 MW
- Technically Feasible –14,000 MW
- Installed Capacity Total to Date:  
Less Than 2% of Potential
- = 9.8 Million Tonnes Methanol  
= 7.8 Billion USD



# Potential Hydropower Projects in Burum, Kuat, Mongi and Mape River in Finschhafen District





# Section 2

# PNG Government Vision And Plan



## **Vision 2050**

**1)GoPNG Vision 2050 Launched in October 2009**

**2)100% of Households to Have Access to**

**Electricity by 2050**

## **PNG Strategic Development Plans 2010-2030**

**1)The PNGSDP Reinforces the Fundamental Directives Under the vision 2050 and Sets the Mid-**

**term Targets to be Achieved by 2030**

**2)For Energy,The Target Under PNGSDP is 70% of Households to Have Access to Electricity by**

**2030**





# Papua New Guinea NDC Implementation Roadmap Electricity Sector

Papua New Guinea (PNG) has an opportunity to embrace its abundant natural resources to transition away from diesel and heavy fuels and reach its 2030 target of ensuring 78% of installed on-grid electricity capacity comes from renewable energy.





# Section 3

# Landowners Ready

**Landowners Welcome Development  
From The Bottom of Their Hearts**







**Village & Local Leaders Are Really Keen to Secure Development Interest**



**Landowners Are Cooperative and Supportive**



# Section 4

# Investment Interest

**The Genuine Investors Are Around and Out There**

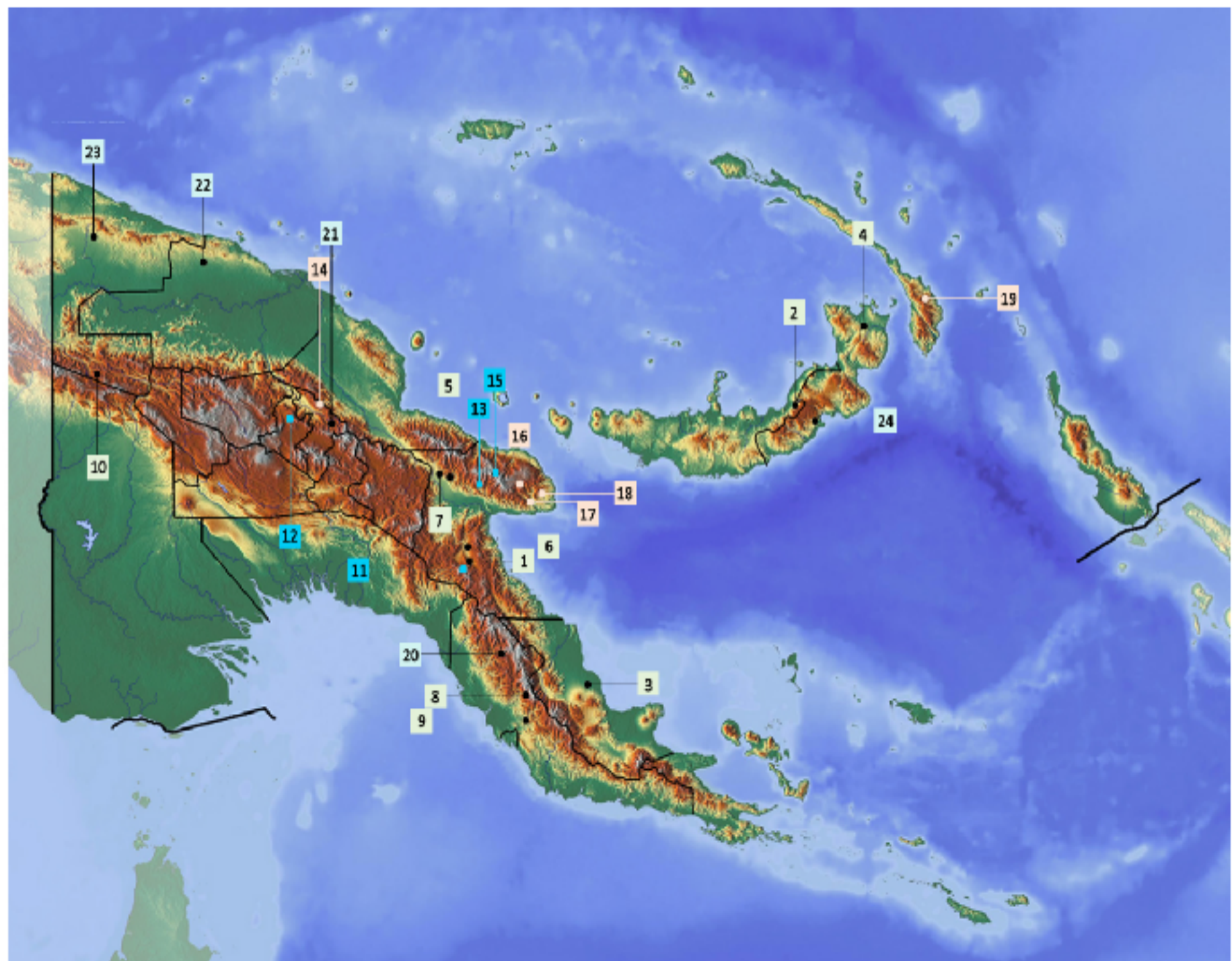




## Our footprint in the Hydro Energy

	Project Area	Capacity	Notes
1	Upper Balyun HPP	9.4 MW	2012
2	Lake Hargy HPP	1.4 MW	2019
3	Divuna HPP and Transmission Line	3 MW	2020
4	Warrangoi HPP	12 MW	2021
5	YTOD HPP	18 MW	2021
6	Balme HPP	12 MW	2022
7	Ramu 1 Unit 4 Refurbishment	15 MW	2022
8	Edevu HPP	54 MW	2023
9	Edevu-Moltaka Transmission Line & Substation	132kv	2023
10	Telefomin HPP	100 Kw	2025
11	Bapa Hydro	12 MW	Power tunnel completed
12	Pilikambi HPP	20 MW	Ready for construction
13	Burum II HPP	20 MW	Associated bridge construction
14	Gembogi HPP	6 MW	Ready for construction
15	Burum III + IV HPPs	62 MW	Full feasibility study completed
16	Kuat I to IV HPPs	48 MW	Pre-feasibility study completed
17	Mongi I to IV HPPs	430 MW	Pre-feasibility study completed
18	Mape I & II HPPs	25 MW	Pre-feasibility study completed
19	Dalum serial HPPs	25 MW	Pre-feasibility study completed
20	Tolu Mineral HPP		Proposal submitted
21	Wara Simbu HPP	18 MW	Initial investigation
22	Sowon HPP	10 MW	Initial investigation
23	Damap HPP	20 MW	Initial investigation
24	Torfo HPP	30 MW	Initial investigation

	Completed
	In Progress
	Feasibility study
	Initial investigation





# Projects in Progress (Hydro)

NO.	Projects	Capacity	Provinces	Initial Partners	Status
	Hydro Projects	MW			
1	Bapa Hydro	12	Morobe	AGE	Power tunnel completed
2	Pilikambi HPP	20	Enga	AGE & EPG	Ready for construction
3	Burum II HPP	20	Morobe	AGE & Finschhafen DDA	Bridge under construction Premobilization
4	Gembogl HPP	6	Simbu	AGE & Kundiawa/Gembogl DDA	Full feasibility study completed
5	Burum I + III to V HPPs	85	Morobe	AGE & Finschhafen DDA	Full feasibility study progressing
6	Kuat I to IV HPPs	48	Morobe	AGE & Finschhafen DDA	Pre-feasibility study completed
7	Mongi I to IV HPPs	430	Morobe	AGE & Finschhafen DDA	Pre-feasibility study completed
8	Mape I & II HPPs	25	Morobe	AGE & Finschhafen DDA	Pre-feasibility study completed
9	Dalum serial HPPs	25	New Ireland	AGE & Namatanai DDA	Pre-feasibility study completed
10	Tolu Mineral HPP		Central	AGE & Tolu Minerals	Proposal submitted
11	Wara Simbu HPP	18	Simbu	AGE & Sina DDA	Initial investigation
12	Sowon HPP	10	Wewak	AGE & Wewak DDA	Initial investigation
13	Damap HPP	20	West Sepik	AGE & West Sepik Province	Initial investigation
14	Torlo HPP	30	East New Britain	AGE & Pomio DDA	Initial investigation



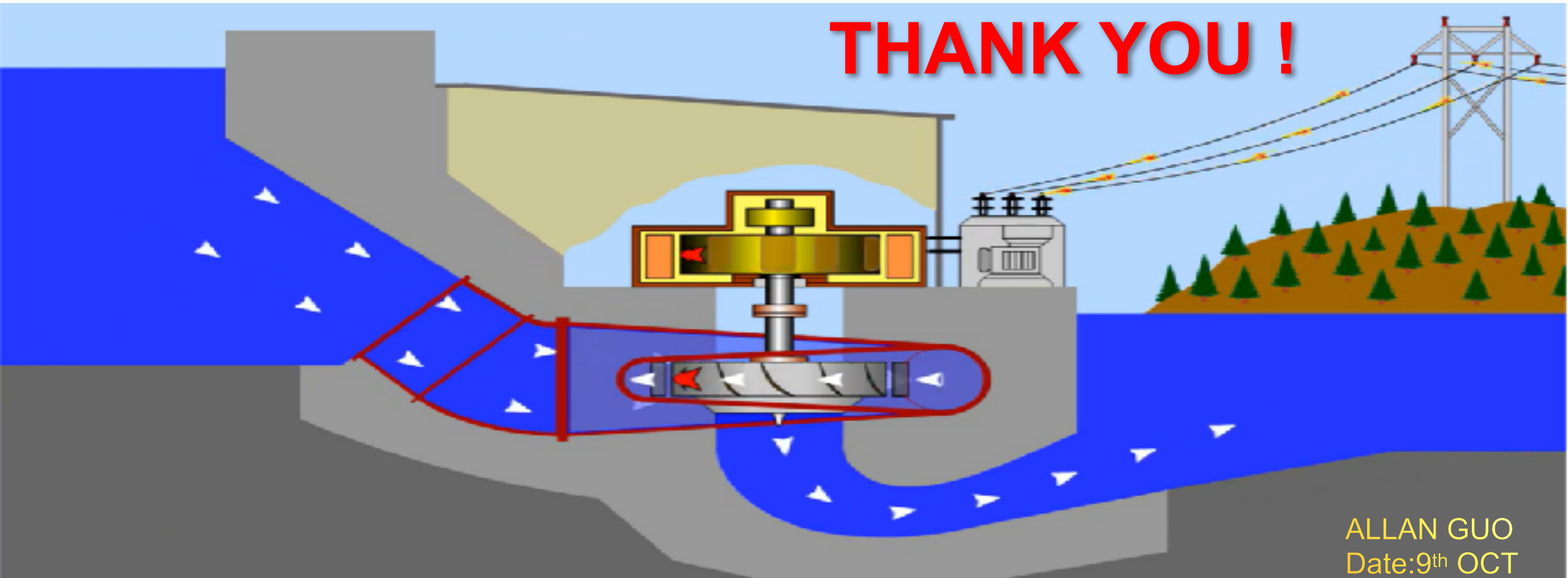
# Section 5

# No Land Access No Excitement

**All Enablers Are True and Real But a Bankable Land Title is a Must.**

**Tailored Policies and Focused Efforts by Leadership, Officials, Magistrates on The Ground to Action Are The Key!**

**THANK YOU !**



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