



Excitement of PNG Renewable Just Started

AG GROUP (AG INVESTMENT | AG ENERGY)

Sydney. December 11th 2024

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1. Net Zero 2050 Commitments

As responsible global community members, both the Australian government and the government of PNG are committed to Net Zero Emission by 2050 to limit the temperature rise below 1.5 °C above the pre-industrial level.

- ① United Nations Framework Convention on Climate Change (UNFCCC):
1992 and 1993
- ① Paris Agreement (COP21): 2015
- ② United Nations Convention to Combat Desertification (UNCCD): 2000
- ③ The Pacific Islands Framework for Climate Change Adaptation (PIFCCA):
2050 Strategy for the Blue Pacific Continent.

2. Our Strength in Green Energy

Energy investment SPV, AG Energy Limited (AGE), well-grounded via energy projects implementation of AG Investment Limited (AGI).

| No. | Project | Particular | Client | Location | Completion |
|-----|-----------------------------------|------------|------------|------------------|------------|
| 1 | Upper Baiyun HPP | 9.4 MW | PNGFP | Morobe | 2012 |
| 2 | Lake Hargy HPP | 1.4 MW | PPL & ADB | West New Britain | 2019 |
| 3 | Divune HPP | 3 MW | PPL & ADB | Oro | 2020 |
| 4 | Warangoi HPP | 12 MW | PPL & ADB | East New Britain | 2021 |
| 5 | YTOD HPP | 18 MW | PPL & ADB | East Highland | 2021 |
| 6 | Baime HPP | 12 MW | PNGFP | Morobe | 2022 |
| 7 | Ramu 1 HPP Unit 4 | 15 MW | PPL & DFAT | East Highland | 2022 |
| 8 | Edevu HPP | 54 MW | PNG Hydro | Central | 2023 |
| 9 | Edevu-Moitaka Line & Sustation | 132kV | PPL | Central | 2023 |



Baime Hydropower Project

Total Capacity: 12MW

Client: PNG Forest Products

Completion: Nov 2022

Location: Bulolo, Morobe Province





Warrangoi Hydropower Upgrade

Total Capacity: 12MW

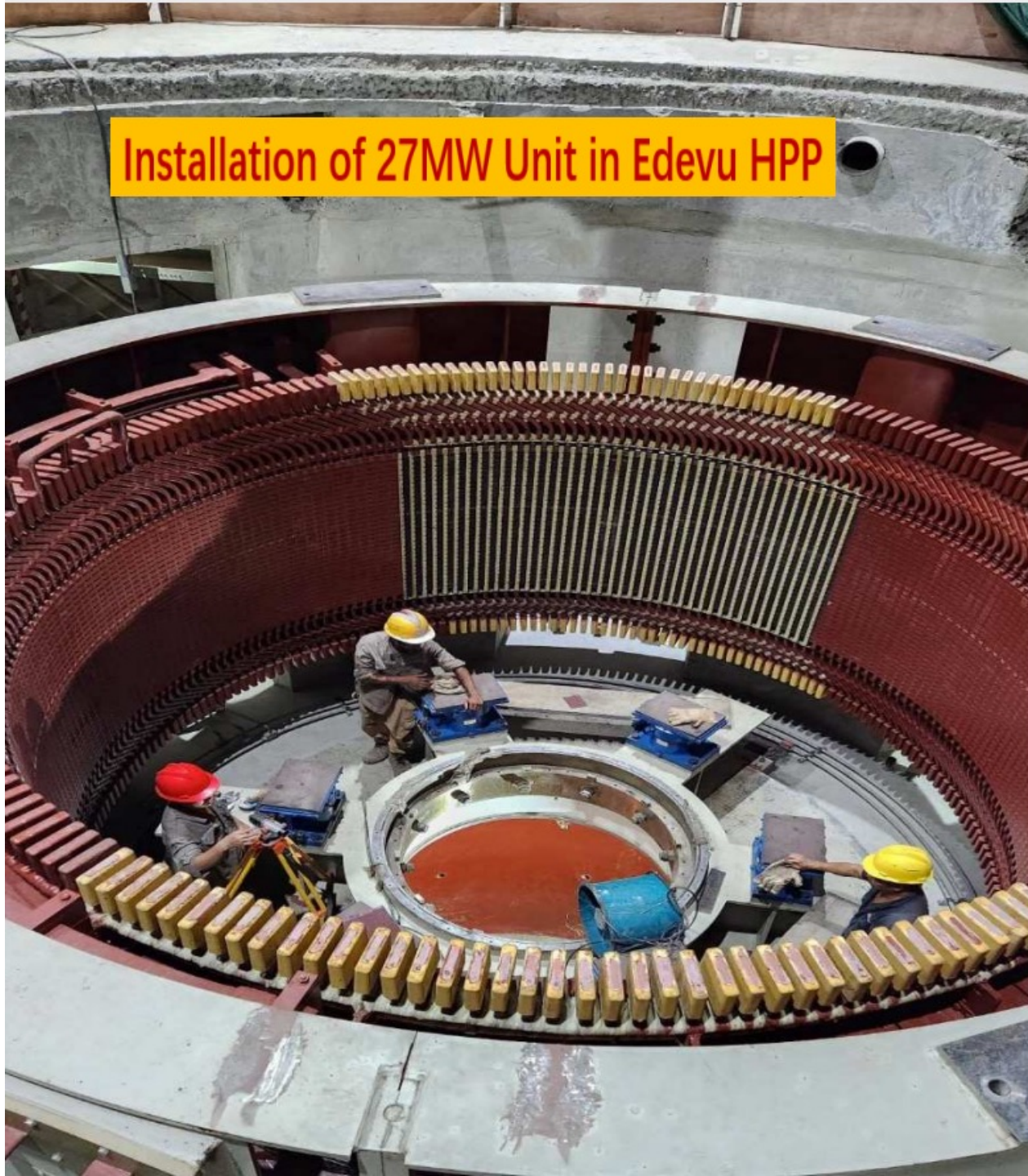
Scope: EPC

Clients: PPL & ADB

Completion: Nov 2021

Location: Warrangoi, ENB

Installation of 27MW Unit in Edevu HPP



Ramu I Hydropower Upgrade

Total Capacity: 5x15MW

Client: PPL & DFAT

Completion: Ongoing from 2022

Location: Ramu, Eastern Highlands Province





Divune Hydropower Project

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





Edevu – Moitaka Transmission Line

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



3. AGE Actioning Carbon Reducing

Renewables

Doable & Doing More

| NO | Projects | MW | Provinces | Initial Partners | Status |
|----|-------------------------|-----|------------------|----------------------------|---|
| 1 | Edevu Hydro & Solar | 55 | Central | AGE & PNG ENERGY & LO | Commissioned 2023 |
| 2 | Bapa Hydro & Solar | 12 | Morobe | AGE | Power tunnel completed |
| 3 | Namatanai Biomass | 0.5 | New Ireland | AGE & Namatanai DDA | Installation |
| 4 | Pilikambi HPP | 20 | Enga | AGE & EPG | Ready for construction |
| 5 | Burum II HPP | 20 | Morobe | AGE & Finschhafen DDA | Ready for construction |
| 6 | Gembogl HPP | 6 | Simbu | AGE & Kundiawa/Gembogl DDA | Full feasibility study (SMEC) |
| 7 | Burum I + III to V HPPs | 110 | Morobe | AGE & Finschhafen DDA | Full feasibility study progressing (SMEC) |
| 8 | Kuat I to IV HPPs | 48 | Morobe | AGE & Finschhafen DDA | Pre-feasibility study (SMEC) |
| 9 | Mongi I to IV HPPs | 430 | Morobe | AGE & Finschhafen DDA | Pre-feasibility study (SMEC) |
| 10 | Mape I & II HPPs | 25 | Morobe | AGE & Finschhafen DDA | Pre-feasibility study (SMEC) |
| 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 |

Edevu Hydro & Solar

In the past one year, 228,000MWh green energy contributed to POM grid, replacing 79,166,667 Ltrs of diesel, reducing 212,167 MT OF CO₂ emission.



PNG Hydro Development Limited

3.1 Finshhafen Special Economic Zone (SEZ)

Green Energy Powered Industrial Hub (Realistic SEZ)



Pre-feasibility Master Planning of Finschhafen Special Economic Zone (FSEZ)

FSEZ VISION, MARKET ANALYSIS AND CASE STUDIES

November 2024


smec.com



Cement & CO₂ For e-Methanol

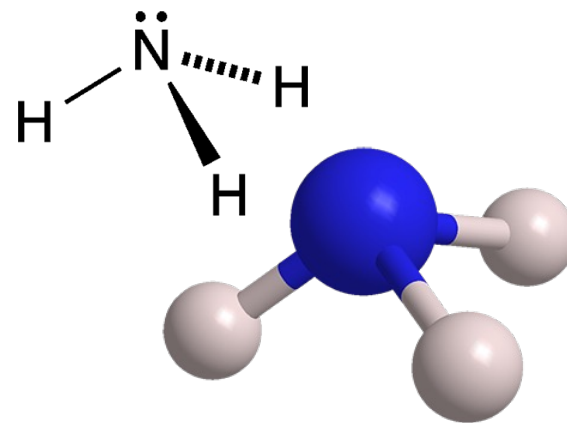
PHASE 2 Deep Water International Port

Aims:

- To drive  the price of cement, to build the nation to prosperity
- To replace import and save forex
- To build skills capacity onshore
- To use green energy to make cement **greener** for a start, and **carbon zero** through e-methanol eventually.

PNG CEMENT LTD

3.2 Green Ammonium & Nitrate Project (20,000T) Out of Bapa Hydro & Solar



AMMONIA



HONOR 60
108MP Matrix Camera





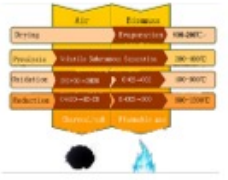






Bapa Pilot Project of Green Ammonia & Ammonium Nitrate

4. Attractive Green Energy Resources in PNG

Mostly virgin ground



| | | |
|---|--|---------------------------------------|
|  HYDRO | <p>World Bank Report (1994) Estimate</p> <ul style="list-style-type: none"> • Gross Potential – 20,000 MW • Technically Feasible – 14,000 MW • Developed capacity to date @2% | |
|  SOLAR |  | <p>Rich but small-scale trial</p> |
|  BIOMASS |  | <p>Rich but at small scale trial</p> |
|  WIND | <p>Little on ground</p> | |
|  GEO THERMAL | <p>Rich but isolated</p> | |
|  WAVE | <p>No known development</p> | |
|  TIDAL | <p>No known development</p> | |

5. Invitation to Investors & Financers

- In the unchartered water, AGE has shown the do-ability and achievability.
- Tropical Papua New Guinea is a virgin land of green energies with abundant hydro, solar, wind, geothermal, biomass, and so on.
- We are there to partner or to assist by sharing hands-on knowledge.
- Grab the opportunity, your investment return is tangible.

Thank you & Merry Christmas!

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