EIGIGU
PROCUREMENT

Nauru Waste Power Plant Project Update Jan 25

Background

- Concept planning of the Waste Power Plant (WPP) Project commenced in October 2023
- Initially focused on commercial opportunities and additional revenue streams

Recent years has seen the implementation of renewable energy projects in Nauru with a transition from diesel generated energy to renewable energies

Goal of 100% renewable energy

Ensure VFM for use of government funds

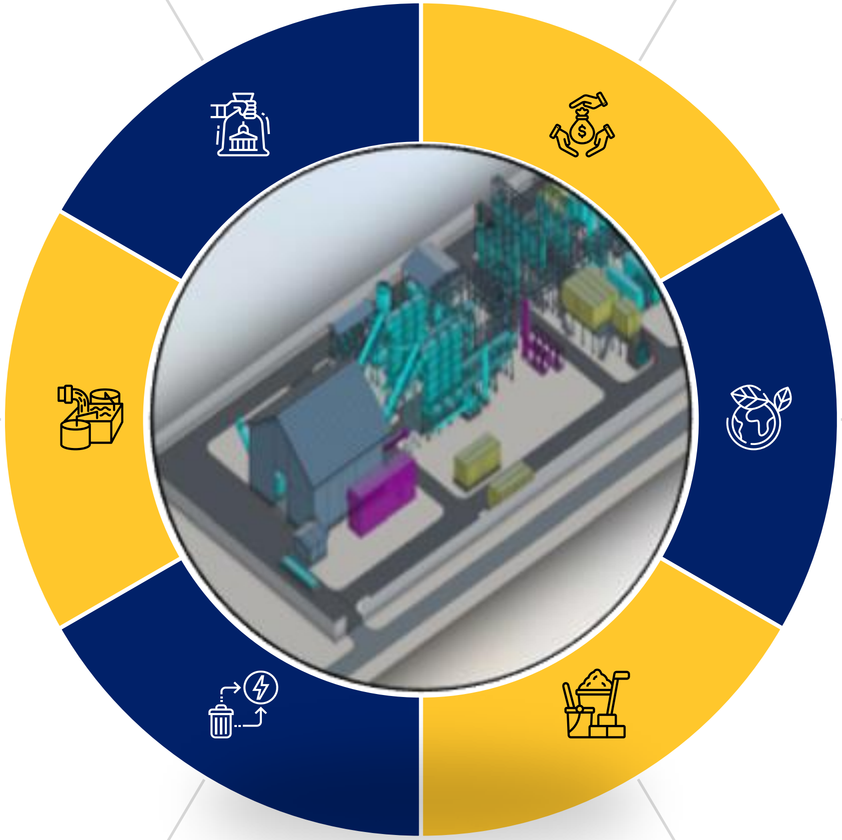
Contribute to the ongoing economic and social development, and resilience of Nauru

Waste Power Plant Project

EIGIGU PROCUREMENT

Provisional Government support obtained for the proposed WPP

External fundings from GCF, ADB, WB, DFAT, NZ MFAT



1.1MW power station that is a modular design

Environmentally safe & sustainable processes

Uses waste to create electricity through gasification technology (approx. 10,000 tonnes of waste consumed per year)

Byproduct construction material produced (approx. 1,800 tonnes per year) for roads and seawalls

Project Information

- The proposed aid-funded WPP is based on Waste-to-Energy gasification technology
- The estimated net power output is 1.1MW and is approximately 50% cheaper than diesel generated energy
- Designed to process around 10,000tpa of waste, and produce 1,800tpa of construction aggregate

Activity	Commenced	Completed	Status
Feasibility Study	February 2024	July 2024	Completed
FEED Study	September 2024	March 2025	Ongoing
Funding Phase	November 2024	June 2025	Under the Direction of PAD, Dept of Finance
Construction Phase	June 2025	July 2026	Planned
Operational Phase	July 2026	July 2046	Planned 20 Year Design Life

Contribute to the energy security and waste management of Nauru

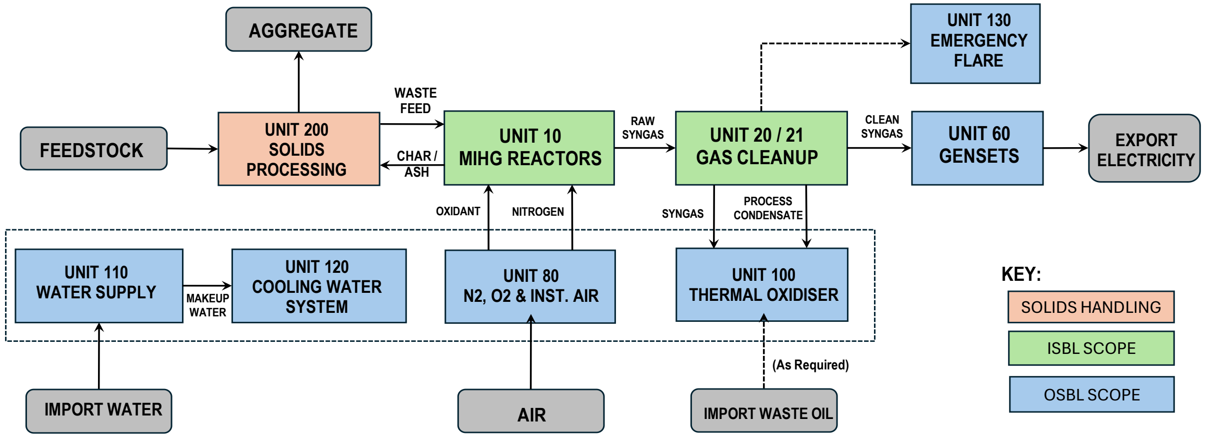
Feasibility Study Outcomes

EIGIGU PROCUREMENT

1. Confirmed viability of the Moving Injection Horizontal Gasification (MIHG) technology for Nauruan waste profiles
2. Conducting six pilot trials to confirm energy and waste outputs
3. Confirmed optimal design configuration and material and equipment lists
4. Identification of primary and secondary site locations based on defined criteria
5. Development of design model, project schedule, estimated OPEX and CAPEX

FEED Study Outcomes

1. Engineering design of Solids Handling, ISBL and OSBL facilities
2. Integration of the ISBL basic engineering package into the overall plant design
3. Class estimate for the project CAPEX and OPEX to AACE Class 2 ±15%
4. MIHG and Gas clean-up engineering
5. Grid connection, geotechnical study, water connection, permitting, logistics and constructability



Progress of FEED Study

EIGIGU PROCUREMENT

Engaged engineering contractors to deliver packages

Package	Engineering Contractor	Status
• Management of FEED Study and Contractors • MIHG and Gas clean-up engineering	Wildfire Energy	Engaged & Ongoing
• Engineering design of Solids Handling, ISBL and OSBL facilities • Class estimate for the project CAPEX and OPEX to AACE Class 2 ±15% • Integration of the ISBL basic engineering package into the overall plant design	thyssenkrupp Uhde	Engaged & Ongoing
• Electrical Grid Connection	GHD	Completed
• Water Connection	TBC	Tendering
• Geotechnical Study	TBC	Tendering
• Constructability	TBC	Tendering
• Logistics, Procurement and Permitting	Eigigu Procurement	Self Preform

Benefits

To Nauruan Government and Community

Delivers 1.1MW

Reduced greenhouse gas emissions of approx. 10,000tpa

Increased 24/7 energy production and reliability

50% cheaper than diesel generated energy

Reduced environmental pollution and waste profile

Creates 16 fulltime jobs

Increased renewable energy production

Reduced reliance on imported diesel

Increased energy security

Significant savings in international shipping and logical costs

Production of 1,800tpa of construction aggregate

EIGIGU PROCUREMENT

Thank You!