



# 2025 CANCONEX Presentation

RAMU NICO MANGEMANT (MCC) LIMITED



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MCC Ramu NiCo

# Kurumbukari Exploration Site 1962







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# Kurumbukari Mine Locality





# Types of Operations at KBK Mine Site





# Load and haul mine operation





# Washing Plant at KBK Mine (Innovative Mining)





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## Process Flow of KBK Mine



Ore Mining Techniques (Conventional & Sluicing Mining)



Primary slurry preparation-Washing



Chromite Removal-Beneficiation Plant



Thickened slurry preparation-Beneficiation Plant



Slurry transported via Pipeline to BSK Refinery





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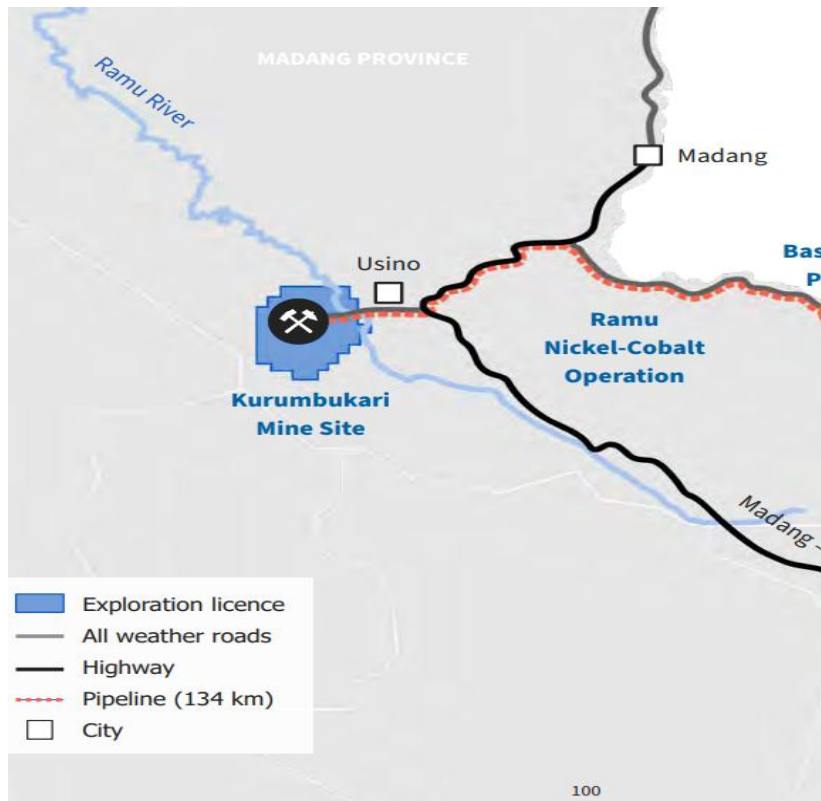
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# Basamuk Refinery





## Basamuk Refinery Location





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## Basamuk Refinery Overview



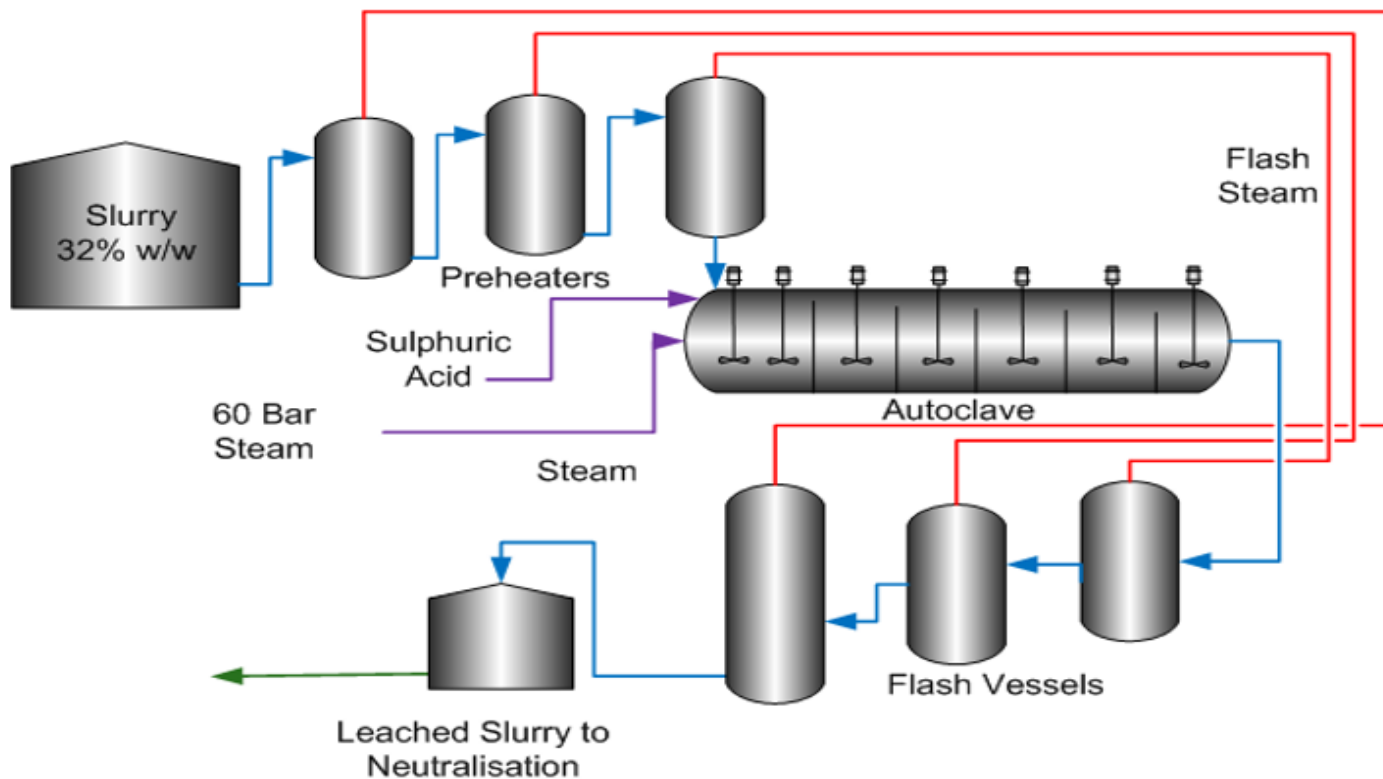




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## Process Overview - HPAL





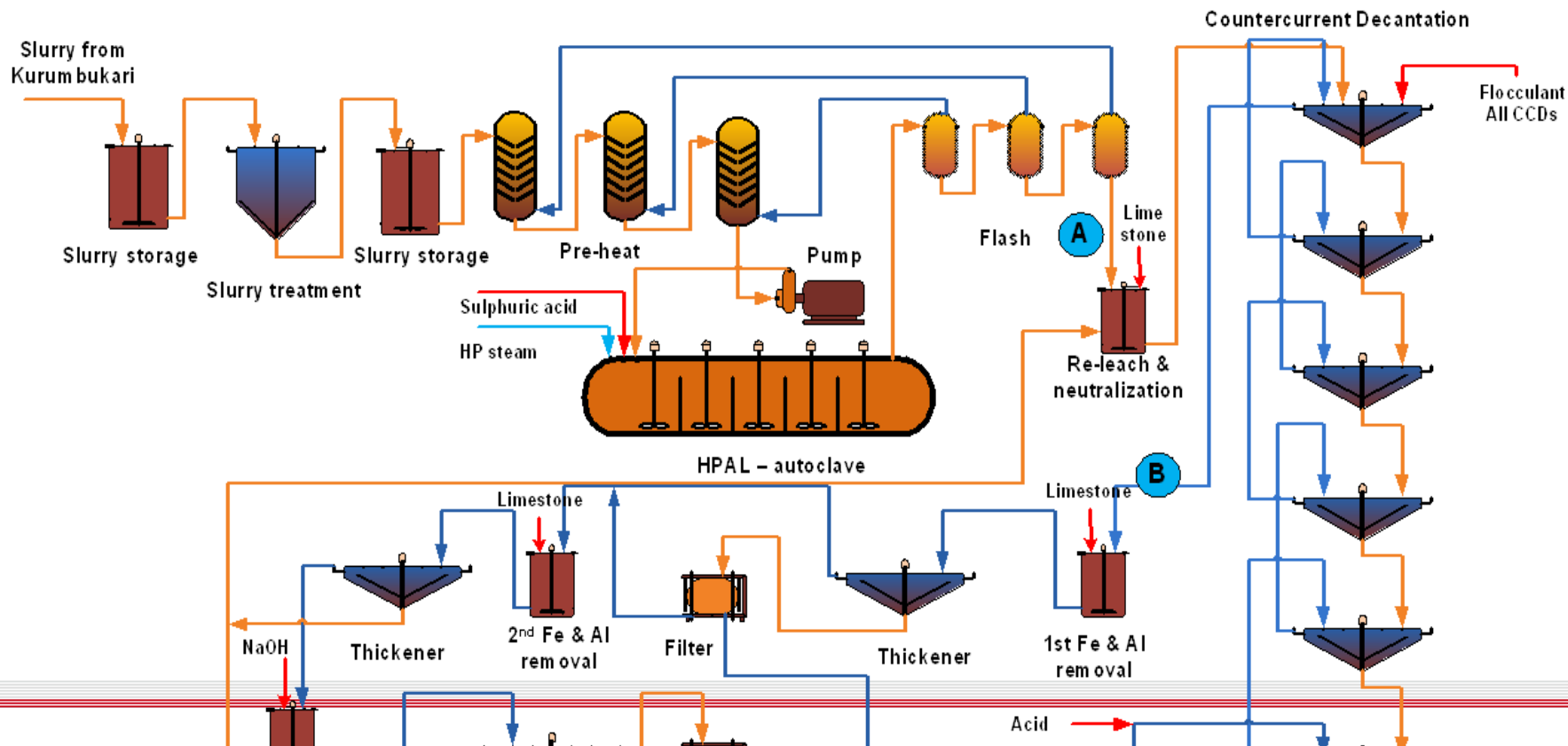
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# Basamuk Project Flowsheet – Basamuk Processing Plant

## Ramu Nickel Project Flowsheet – Basamuk Processing Plant





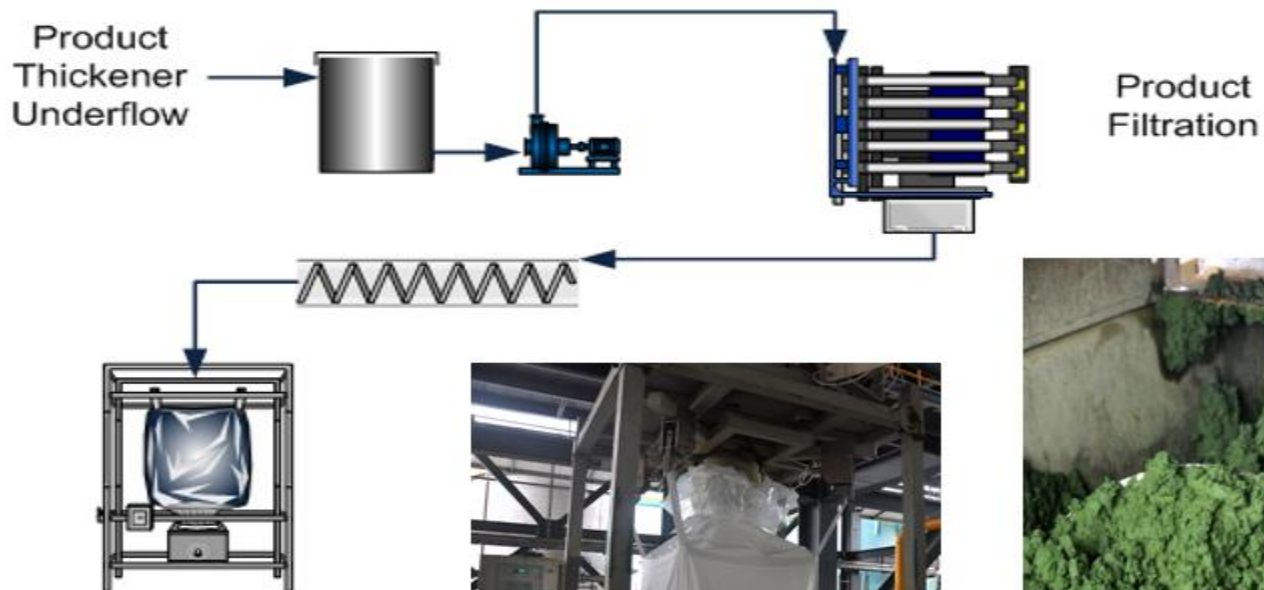


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# Final Product





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# Basamuk Refinery Overview



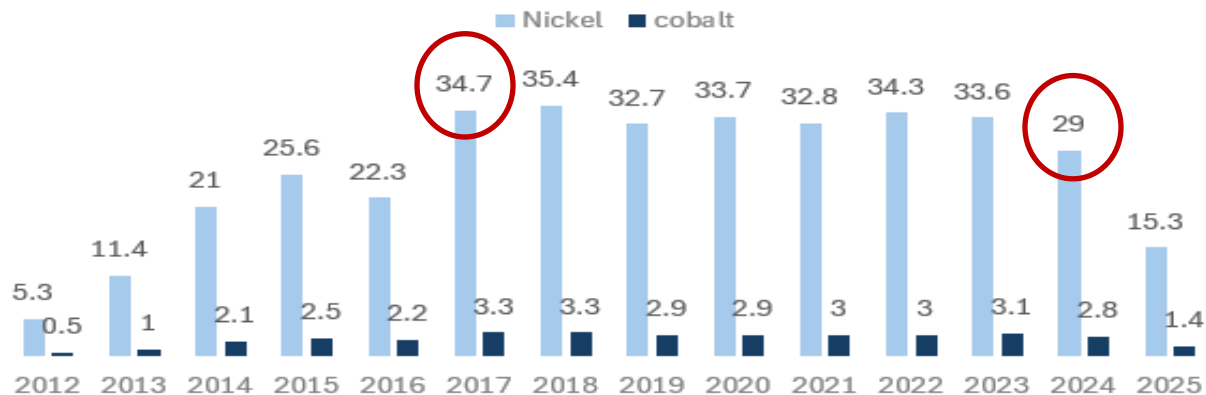


## Basamuk Refinery Overview

RNML – Basamuk

Production has exceeded design capacity since Q4, 2016.

### Production in Mixed Hydroxide (000s of Tonnes)





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## Basamuk Refinery – Non-Process







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## Ramu NiCo Workforce

### Workforce.

- Basamuk Plant Site – 1 207
- KBK Mine Site - 1 044
- Madang Office - 249

**Total workforce - 2500 (approximate)**

### Workforce groups are;

- Locals
- National
- Chinese
- Others

### Workforce groups & Contractors

- Landowner companies
- Raibus Group ( security/Engineering/lbour hire)
- NCS (Catering
- Individual Local Landowner groups.
- PNG registered companies
- Others

## Social Economic Development and Community Engagement (RNML).

### 1. Health and Education.

- Annual subsidies under MOA, donations, and school fees subsidies are provided.

### 2. Business Spinoff and Landowners Companies: Logistics and transport, catering, security, labour hiring, and camp Services.

### 3. Royalty and Land Use Compensation.



Trades Training

Operations – Fixed Plant

Operations – Mobile Plant

HSE – Inductions

HSE – Safety

Third Party – Specialised

Graduate Programs

Vacation Professional Work Experience



# RNML Commitment to Occupational Health and Safety

- RNML company's policy on OH&S aligns with the principles of ISO45001, safeguarding a safe and healthy working environment for all employees.
- RNML continues to identify and manage risks, improve OH&S performance, and comply with legal and regulatory requirements.
- ISO 45001 is an international standard that provides a framework for organizations to establish, implement, maintain, and continually improve an Occupational Health and Safety (OH&S) management system.

## **RAMU NICO MANAGEMENT (MCC) LIMITED**

Section 95, Allotment 18, Modilon Road, Madang, Papua New Guinea.

Health and Safety Management System has been assessed and registered as conforming with the requirements of **ISO 45001:2018**.

### Scope:

Provision of Mining (Soil) and Refining Nickel and Cobalt

Certificate Registration No. 002167-1-PG-1-OHS

Certified Since 20.03.2025

Valid from 20.03.2025

Valid until 19.03.2026

Recertification due before 19.03.2028



Managing Director

Business Systems Certification Pty, Ltd. (BCert) 15 Colman Close, Ropes Crossing NSW 2760, Australia.

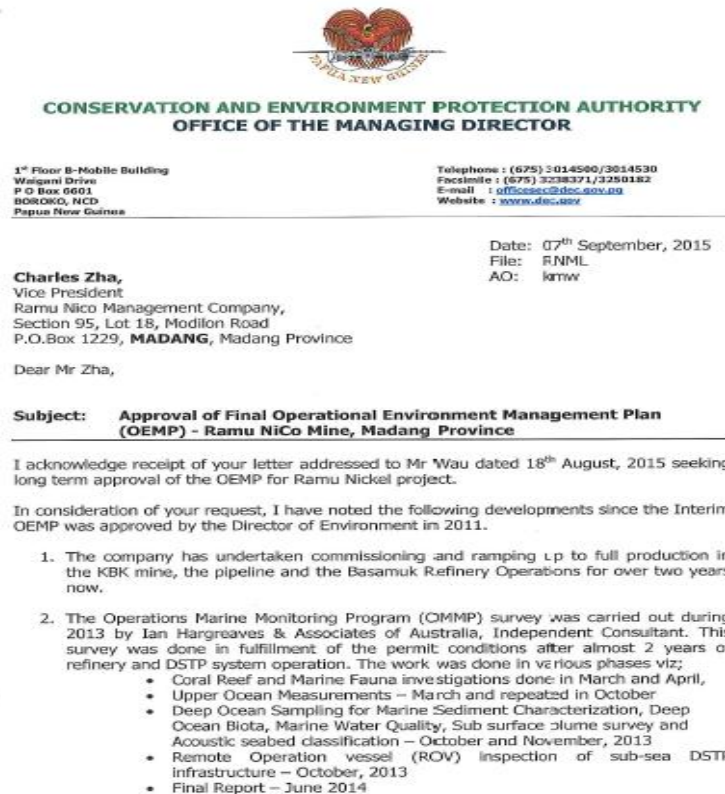
Certification is subject to satisfactory ongoing Surveillance Assessments.  
The validity of this certificate can be verified at [www.jasanz.org/register](http://www.jasanz.org/register).

Issue No. 2 Date: 20.03.2025



## Conservation and Environmental Protection (CEPA) Environmental Permit WD-L3 (115) approval

- Set accountabilities
- Limit acceptance, monitoring points identification and frequency reporting
- Hazard and risk analysis
- Review and Audits





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## Enviromental Management – ROV Survellience

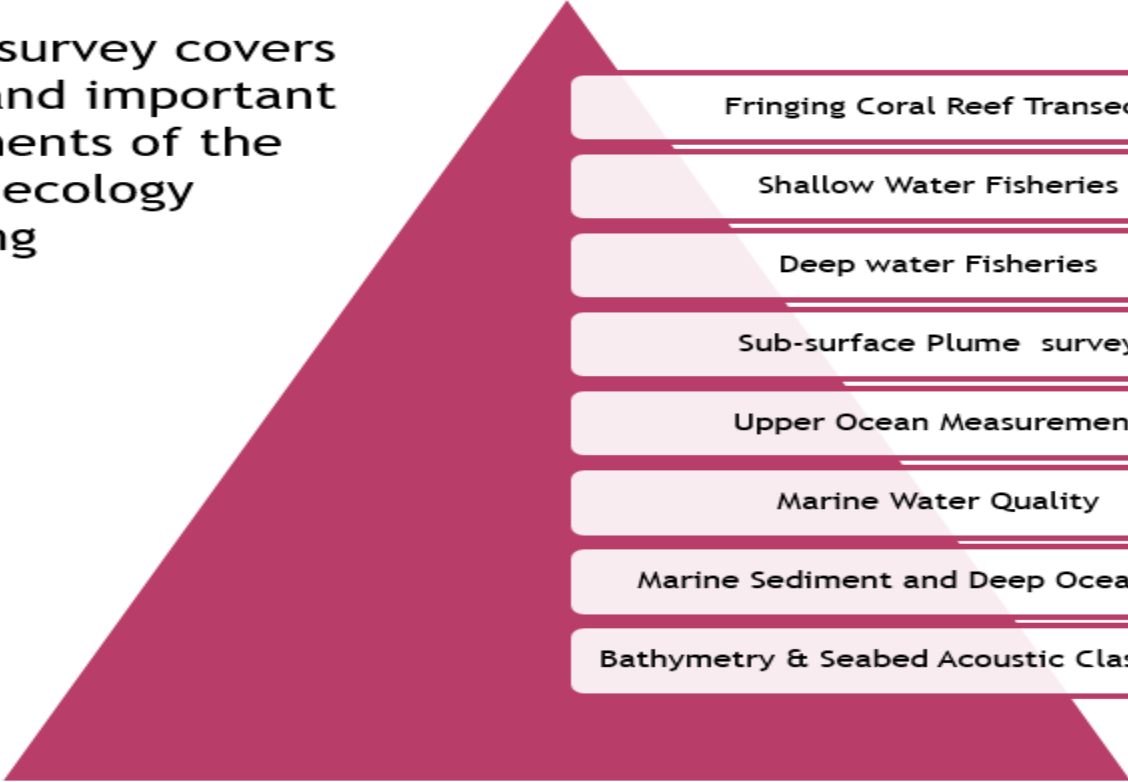
### Remotely Operated Vehicle (ROV). Inspection of DSTP pipeline.

- No interruptions were reported on the DSTP pipeline system.
- No visible defects or anomalies observed
- DSTP pipeline's integrity is maintained.

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- Marine survey covers major and important components of the marine ecology including



Fringing Coral Reef Transect

Shallow Water Fisheries

Deep water Fisheries

Sub-surface Plume survey

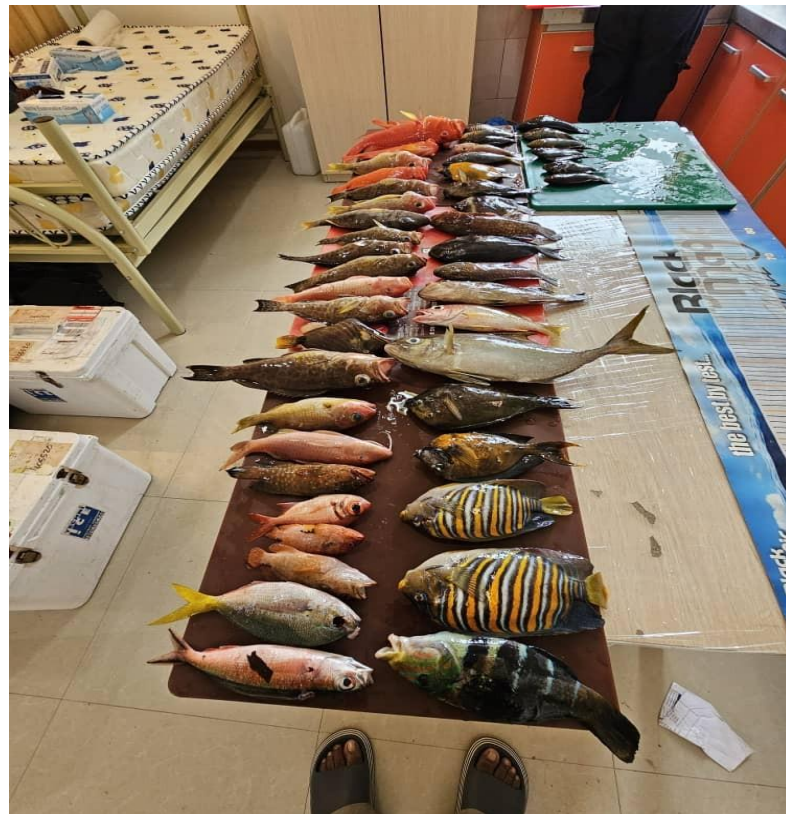
Upper Ocean Measurement

Marine Water Quality

Marine Sediment and Deep Ocean Biota

Bathymetry & Seabed Acoustic Classification

## Basamuk Marine Testing



1. Fringing Coral Reef Transect
2. Fish & Molluscs Abundance, Diversity & Tissue Metal Content
3. Upper Ocean measurement
4. Marine Water Quality
5. Deep Ocean biota
6. Marine Sediment Acoustic seabed classification



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# Navigating Global Markets

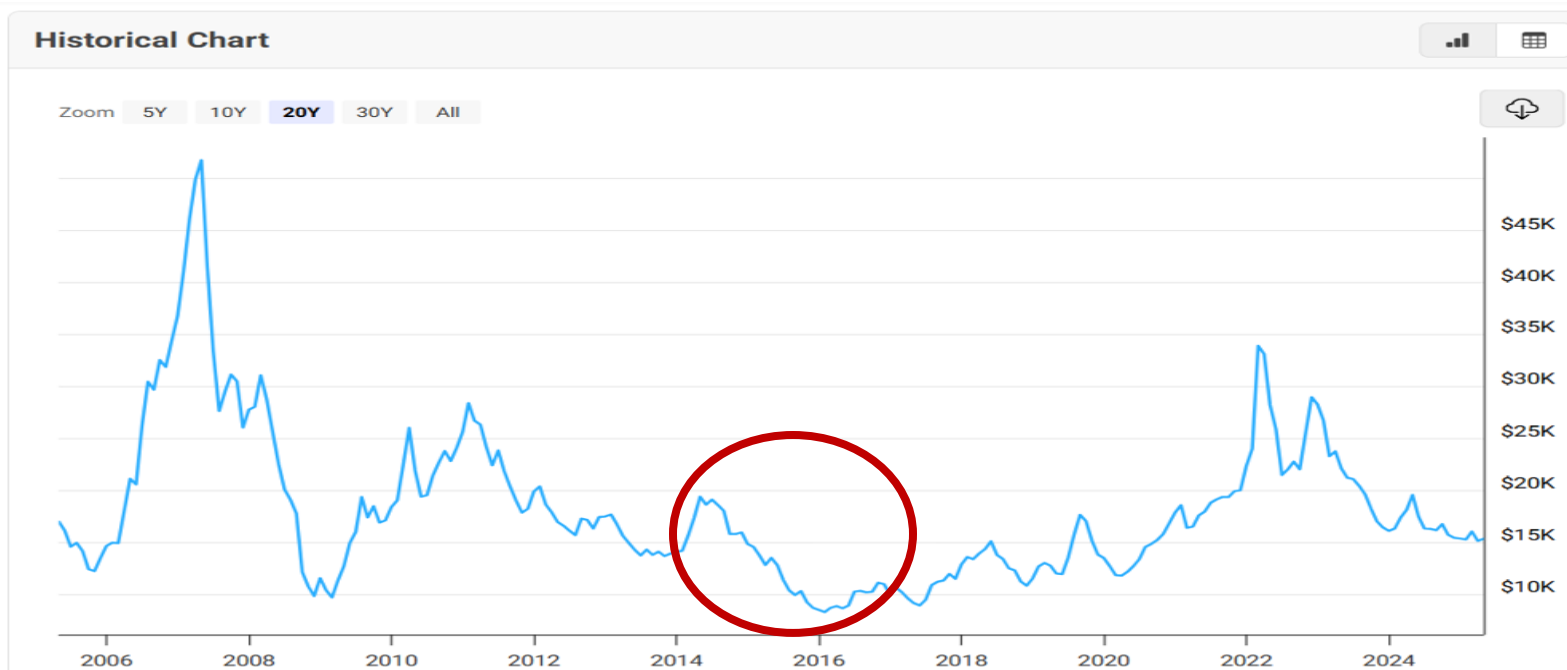
The global market has remained challenging due to volatility caused by Indonesian companies. They will continue to drive forces in the international markets. The Indonesian supply chain is the largest producer market at 50% in 2023.

The Ramu Nickel project's capital at start-up was USD 2.2 billion.



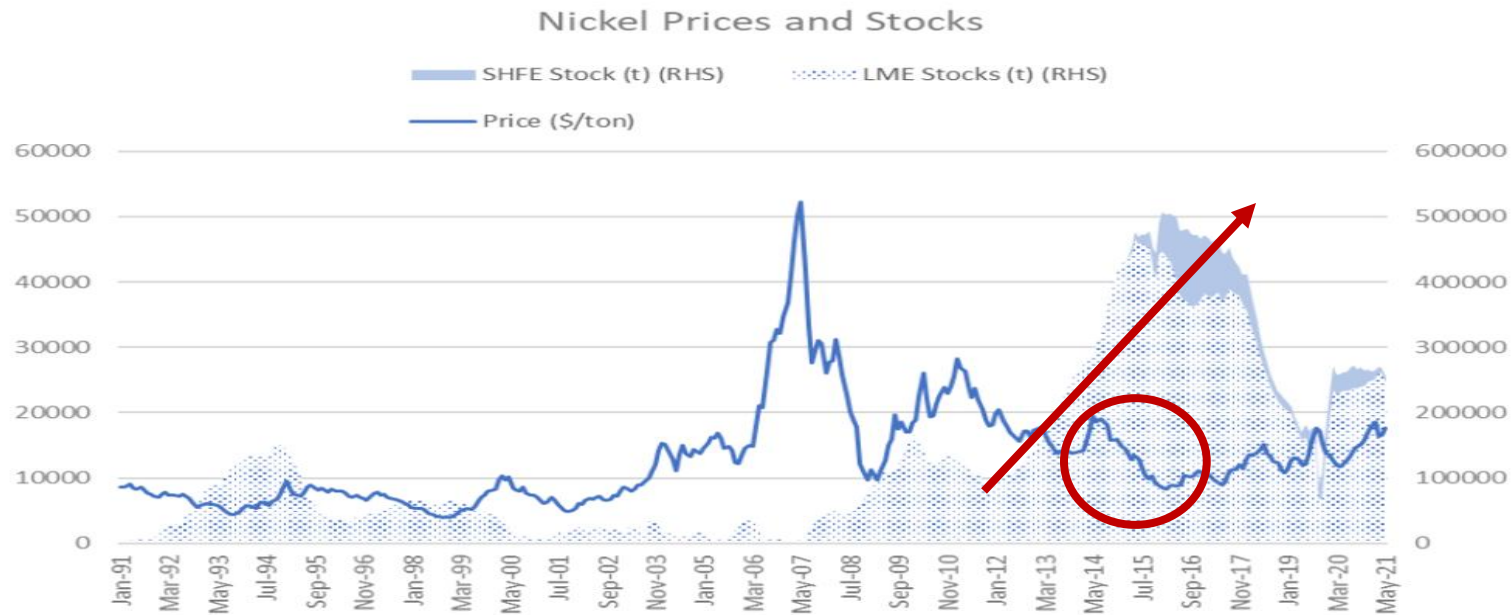
## Navigating Global Markets

The Ramu Nickel Project's trajectory coincides with a volatile period in the global nickel market. **2012-2025**, the industry weathered unprecedented fluctuations in supply, demand, and pricing:



# Navigating Global Markets

**2016–2019:** An export ban imposed by Indonesia stabilized market conditions, coupled with growing demand from the emerging electric vehicle (EV) industry. Prices rebounded to approximately \$14,000 per metric ton, signalling recovery.

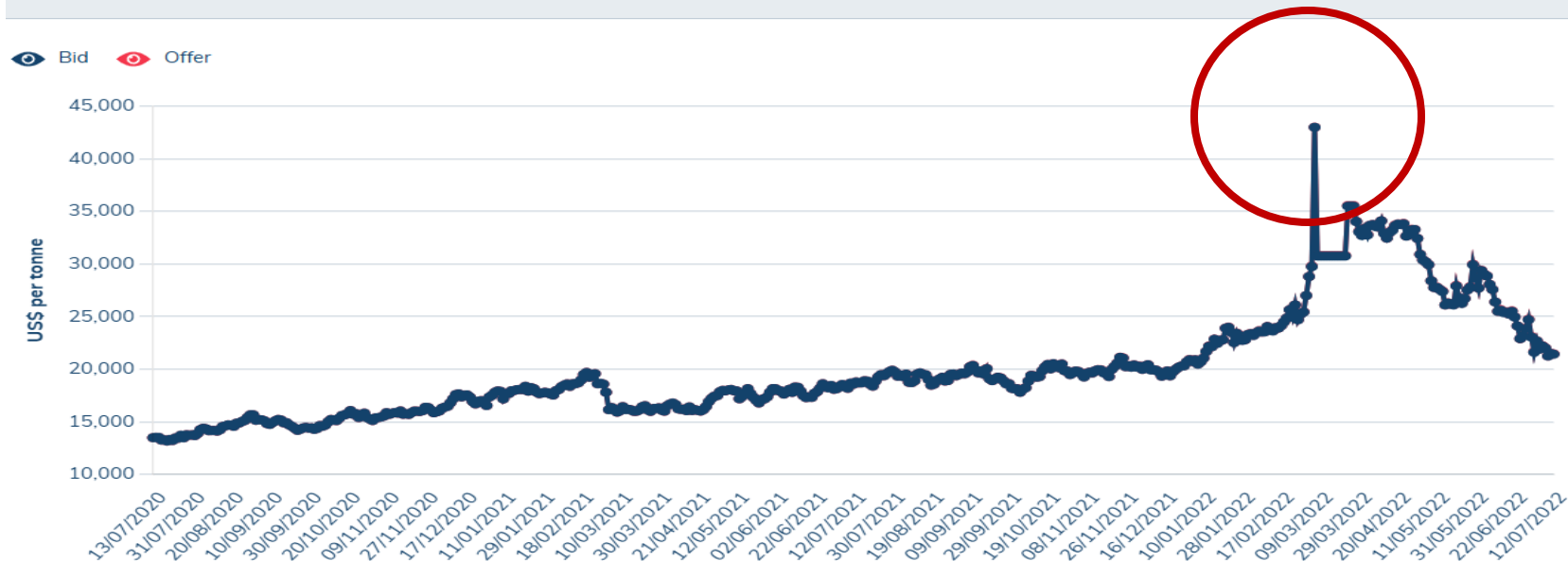


World Primary Nickel Production, Usage and Market Balance (in 1000 tonnes)

# Navigating Global Markets

**2020–2022:** Amid the COVID-19 pandemic and subsequent geopolitical disruptions—including the Russia-Ukraine conflict—nickel hit record highs of \$48,000 per metric ton in 2022.

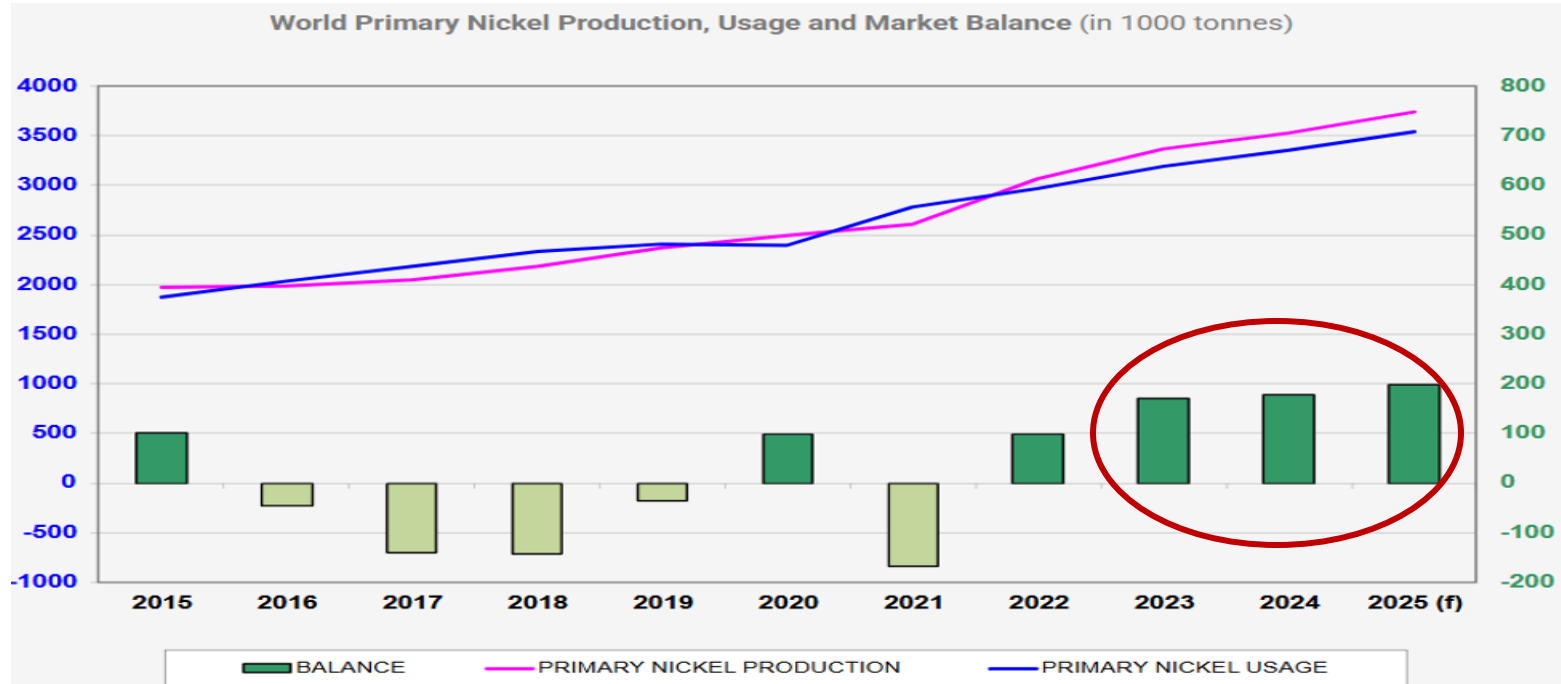
LME Nickel Official Prices graph





# Navigating Global Markets

**2023–2025:** Relative stabilization has returned to the market, with projected prices ranging between \$15,000 and \$16,000 per metric ton. Key drivers include Indonesia's investment in refining and the EV sector's reliance on nickel-intensive batteries.



## Building on a Legacy of Excellence

Looking ahead, Ramu NiCo Management (MCC) Limited is poised for even greater achievements. The company's Phase Two expansion will double production capacities, enable greater local economic benefits and boost government revenues. Currently, Ramu NiCo holds SML8, which is a 54 square kilometre of land size. Ramu NiCo is expected to make an application for a new Special Mining Lease to convert 56 square kilometres of land into a new SML.

Alongside these efforts, plans for establishing downstream processing facilities in collaboration with Kumul Minerals Holdings mark a turning point for Papua New Guinea.

By championing value-added production, the nation will reduce its reliance on raw exports and align itself with the global trend of industrial self-reliance.

## Final Reflections

The Ramu Nickel Project is more than a mining enterprise; it is a symbol of progress, responsibility, and vision.

Ramu NiCo Management (MCC) Limited has redefined what is possible in a sector often criticized for its environmental and social costs. By aligning cutting-edge technology with inclusive community development and steadfast environmental stewardship, Ramu NiCo proves that mining can be harmonious with sustainability and human advancement.

With its roots firmly planted in Papua New Guinea's rich soil, Ramu NiCo continues to shine as a global leader.

Guided by the principles of collaboration, innovation, and purpose, its legacy reaches far beyond the confines of its mines. The story of Ramu NiCo is one of transformation—not just of metal but of lives, landscapes, and the promise of a brighter, more sustainable future.





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## Conclusion

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Thank You.

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