



◆ Analyst Call 9M23

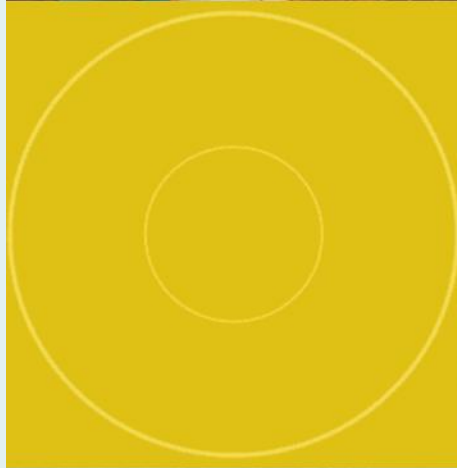
# Company Presentation 9M23

December 2023

[tbpnickel.com](http://tbpnickel.com)



From Obi,  
for Indonesia



A photograph capturing a serene sunset over the ocean. The sun is low on the horizon, casting a golden glow across the sky and reflecting on the water's surface. In the foreground, several children are silhouetted against the bright light. One child is captured in mid-air, running or jumping towards the water. Other children are scattered in the shallow water, some standing and others splashing. The overall mood is peaceful and nostalgic.

From Obi for Indonesia.

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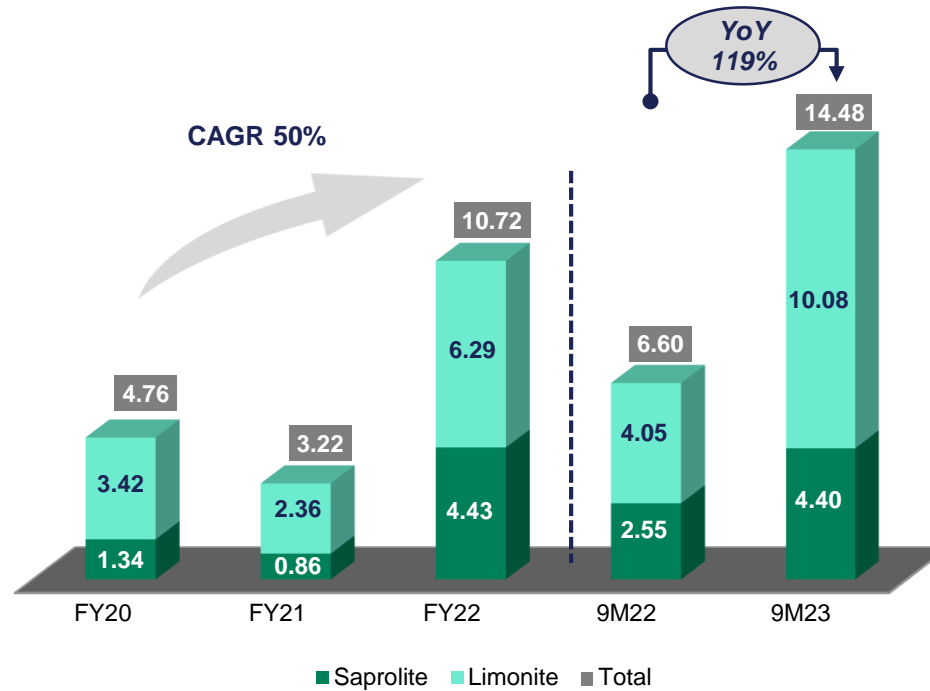


# Operation Overview

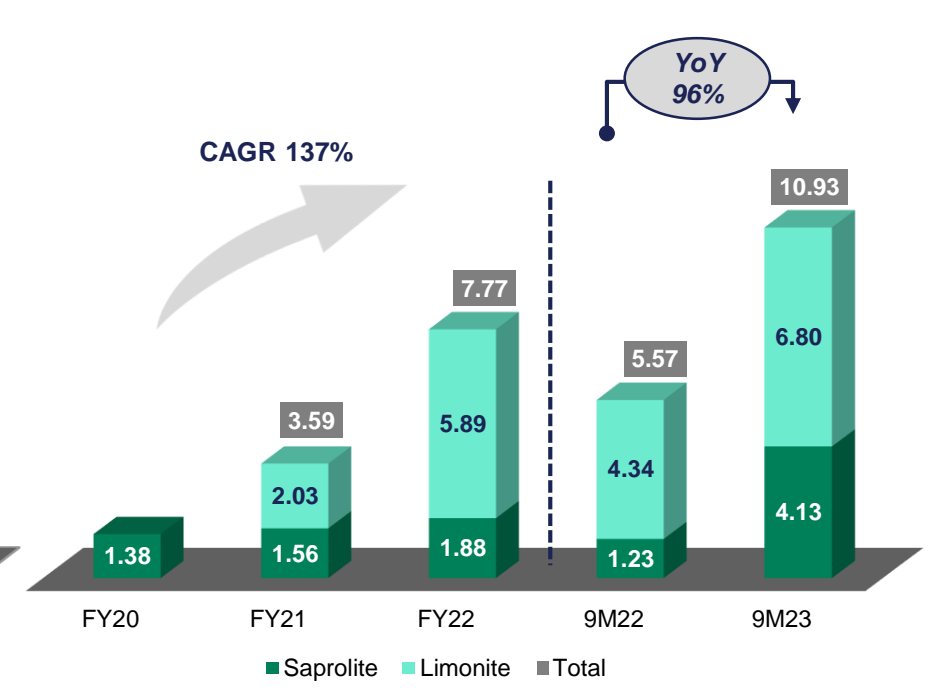
# Mining Operations



Mining Production Output (million wmt)



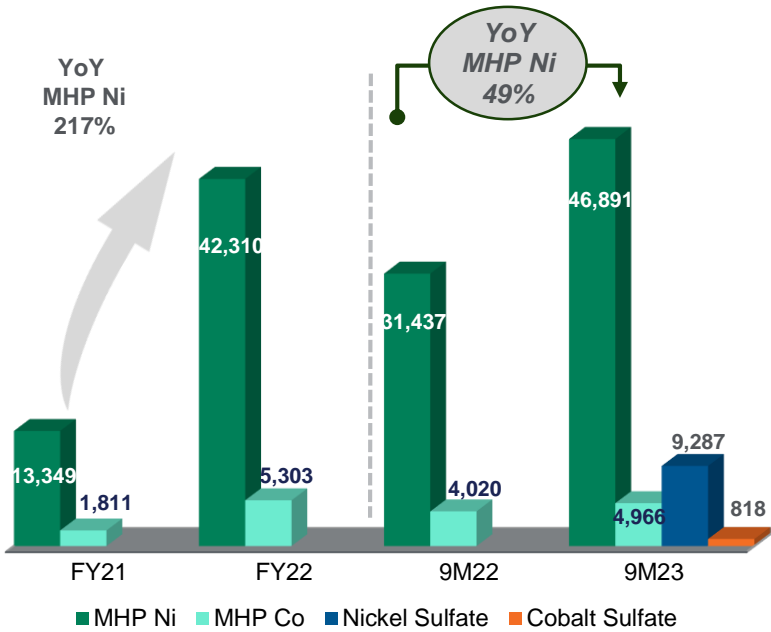
Nickel Ore Sales (million wmt)



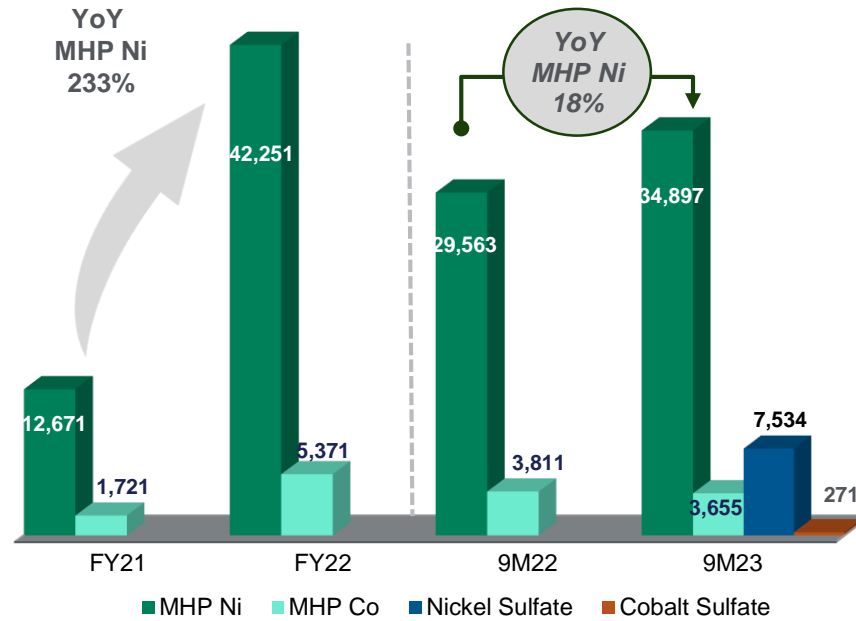
- Ore production comes from **2 operating mines (TBP & GPS)**; while **JMP** and **OAM** are not in operation yet.
- **Strong growth in mining production** was in line with the increase in smelter and refinery production capacity.
- In 9M22, TBP only had 1 operating smelter RKEF (PT MSP) with 4 production lines and production capacity 25,000 tons contained Ni/year. In HPAL capacity, TBP had 2 production lines of HPAL (PT HPL) with capacity of 37,000 tons contained Ni/year.
- Higher demand of nickel ore in 9M23 was coming from **commissioning of the 3rd line of HPAL (PT HPL)** and also **completion of 8 production lines of RKEF (PT HJF)**. Therefore, **TBP has a total 12 production lines with 120,000 tons contained Ni/year of RKEF capacity and 3 production lines of HPAL with total capacity 55,000 tons contained Ni/year by end of 9M23.**

# HPAL Operations

## HPAL Production Output (In ton)



## HPAL Sales Volume (In ton)



Notes: YoY represent growth percentage from year on year.

- At the end of 2021, 2 production lines of HPAL (PT HPL) have commenced its operation with designed capacity of 37,000 tons contained Ni/year. The 3<sup>rd</sup> line with designed capacity of 18,000 tons contained Ni/year commissioned in January 2023 and ramped up to full capacity within 2 months.
- **PT HPL started to produce Nickel Sulfate in April 2023 and did the initial export in May 2023. furthermore, in July 2023 PT HPL started to produce and initial export of Cobalt Sulfate.**
- In production output, Nickel Sulfate output is part of MHP output, because Nickel Sulfate is product conversion from MHP. While in sales volume, total sales will be MHP + Nickel Sulfate volume.



# HPAL Ongoing Project (ONC)



# 65,000

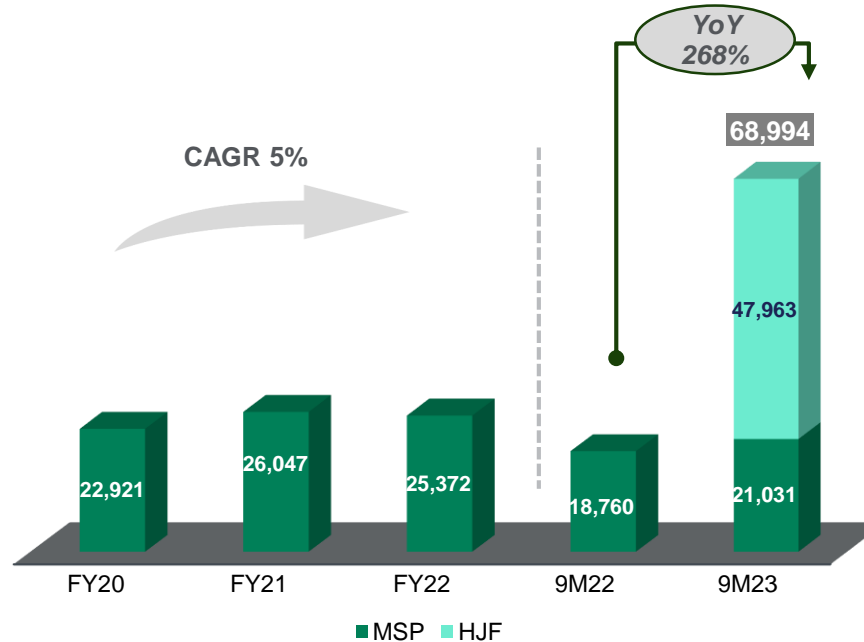
Tons contained Ni/year MHP

- **PT. ONC** will have **3 production lines** of HPAL.
- Designed capacity of **65,000 tons contained Ni/year**.
- Expected commissioning in **2<sup>nd</sup> quarter of 2024 (1<sup>st</sup> line)**.

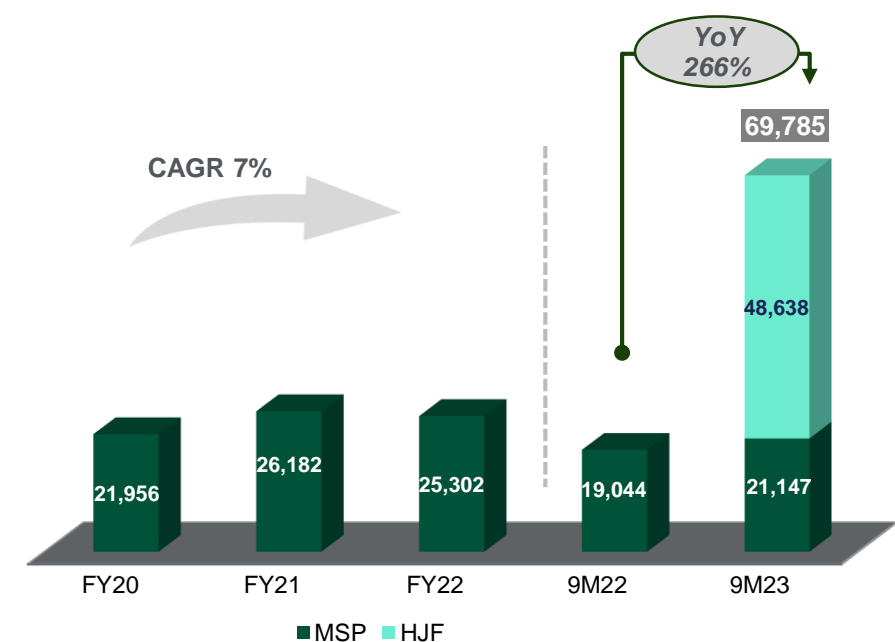


# RKEF Operations

FeNi Production Output (In metal ton)




FeNi Sales Volume (In metal ton)



- From FY20 - FY22, FeNi production came from PT MSP, which has been operating since 2017.
- PT HJF RKEF has commenced its operation at the end of FY22 with 2 production lines. The next 3 production lines, 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> lines were completed in January 2023, February 2023 and March 2023, respectively. The remaining 3 production lines completed by end of 1H23. **PT HJF reach 100% production capacity in 3Q23. Thus, it drives the significant growth of FeNi sales YoY.**
- **Actual average production of PT HJF in August – September already reach 8,390 tons contained Ni/month, above 6% from the name plate capacity.**




# Production Capacity Growth Plans (Total Tons Contained Ni/Year)



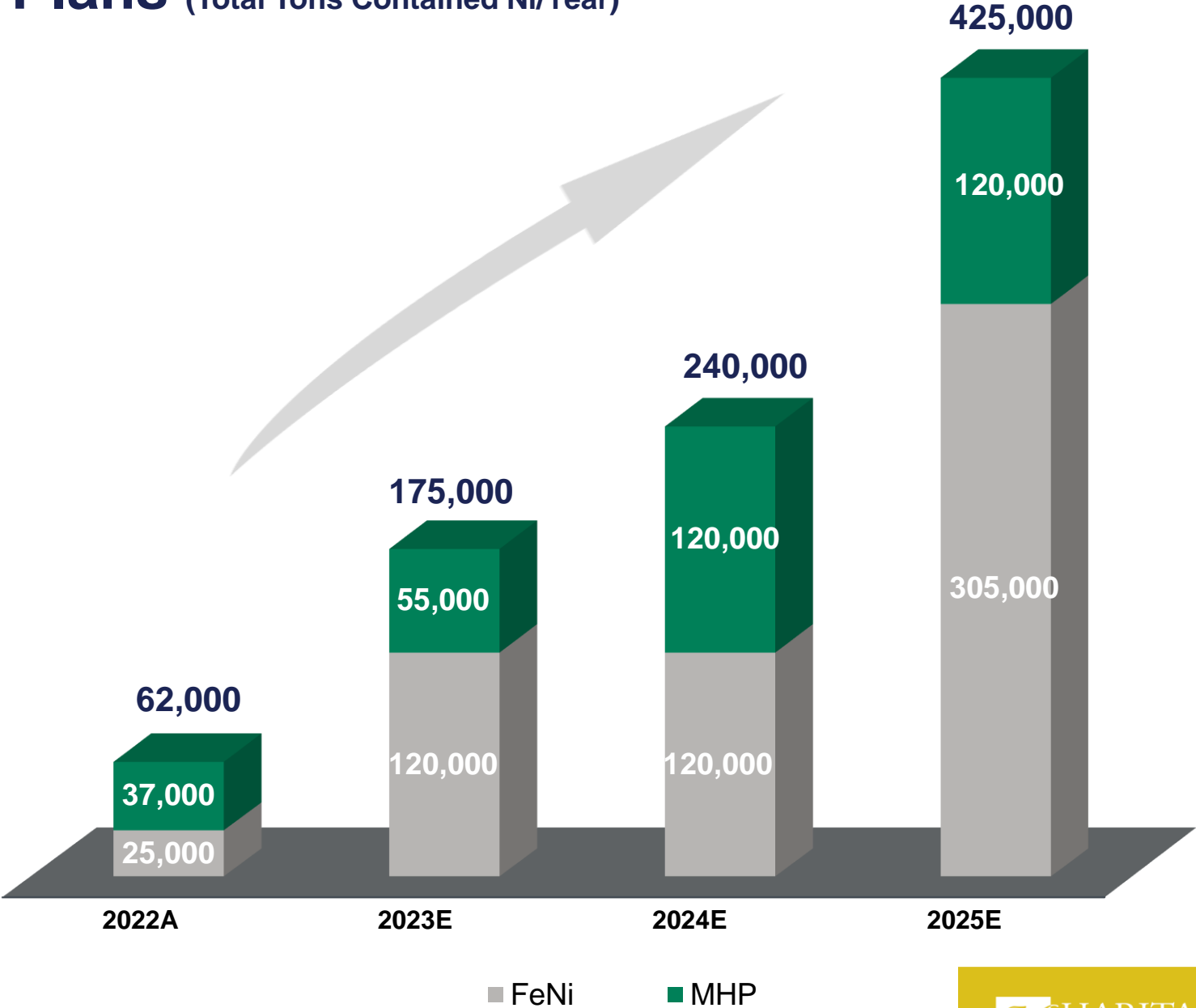
**Mixed Hydroxide Precipitate (MHP)**

- Intermediate nickel product produced by the HPAL process.
- Can be further processed into nickel sulfate.
- Mixed Hydroxide Precipitate (MHP) (tons contained Ni/year).



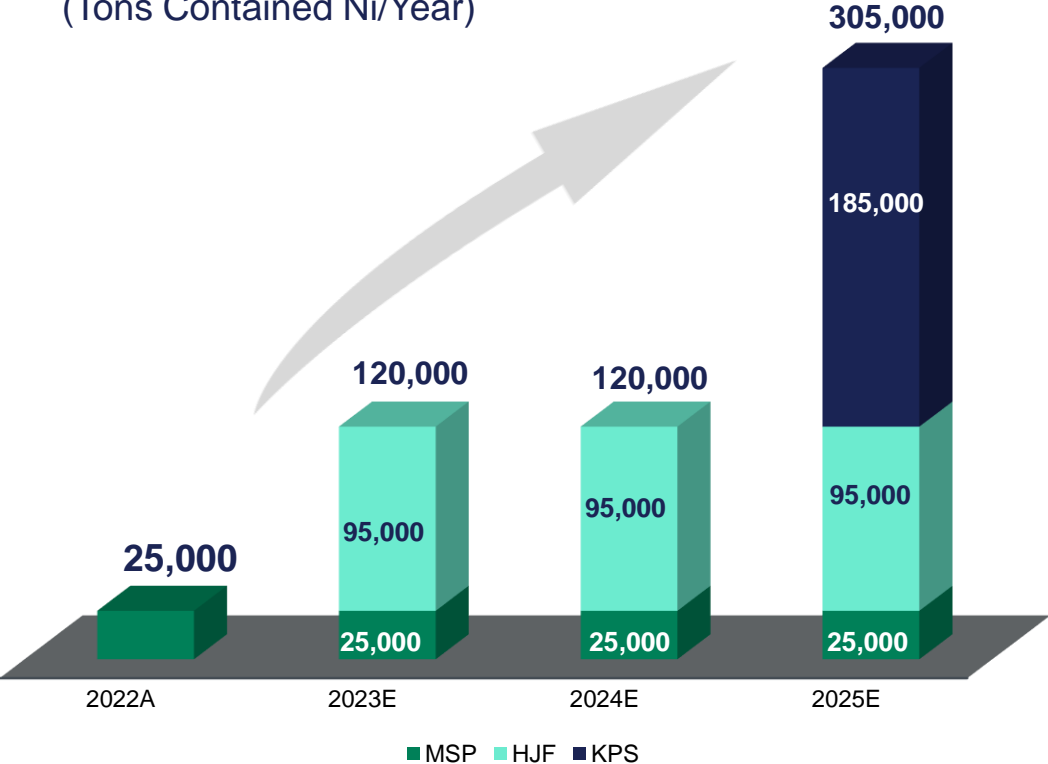
**Ferronickel (FeNi)**

- Ferronickel is used for the production of stainless steel.
- Ferronickel (FeNi) (tons contained Ni/year).

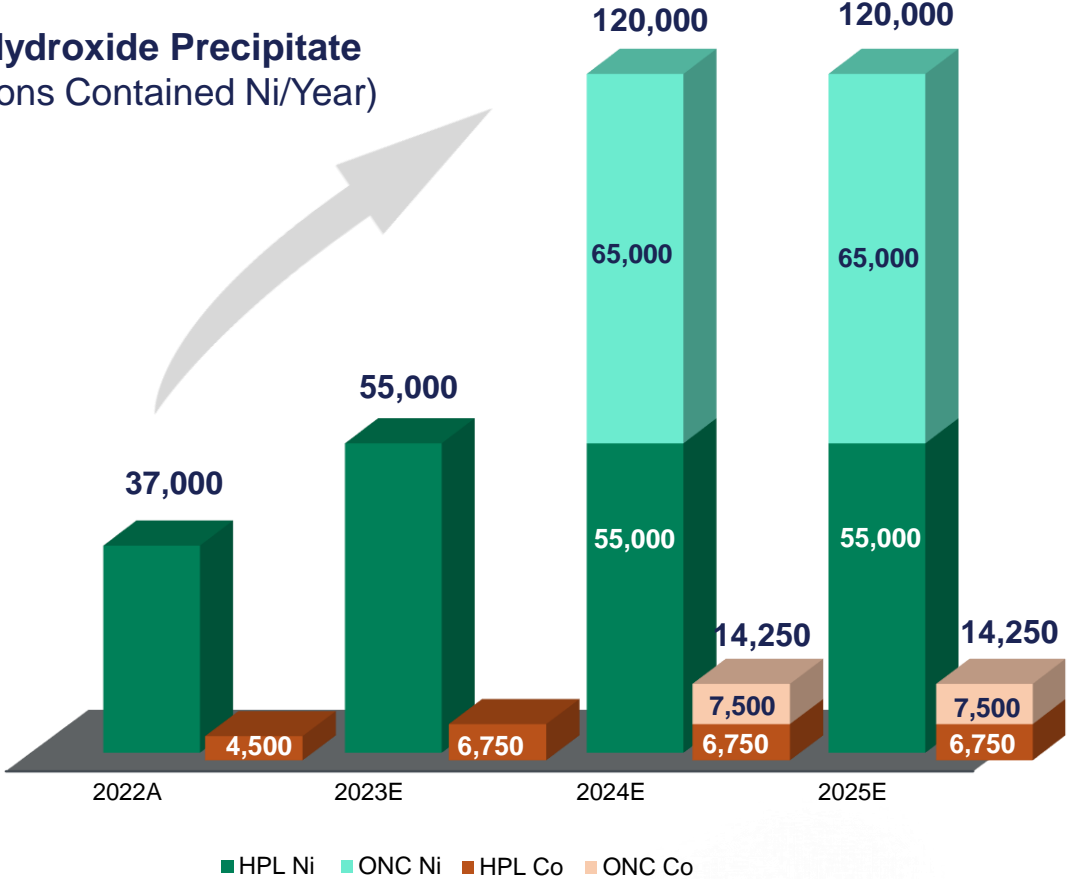



# Production Capacity Growth Plans (by Product)

**Ferronickel (FeNi)**  
(Tons Contained Ni/Year)




**Mixed Hydroxide Precipitate (MHP)**  
(Tons Contained Ni/Year)

- Ferronickel is used for the production of stainless steel.

**Ferronickel (FeNi)**



- Intermediate nickel product produced by the HPAL process.
- Can be further processed into nickel sulfate.

**Mixed Hydroxide Precipitate**




**Nickel Sulfate**      **Cobalt Sulfate**

Precursor material for cathode materials for lithium-ion batteries.

An aerial photograph of a large cargo ship, heavily loaded with white containers, being escorted by two tugboats in a wide bay. The sun is low on the horizon, creating a golden glow over the water. In the distance, another ship is visible near a forested coastline.

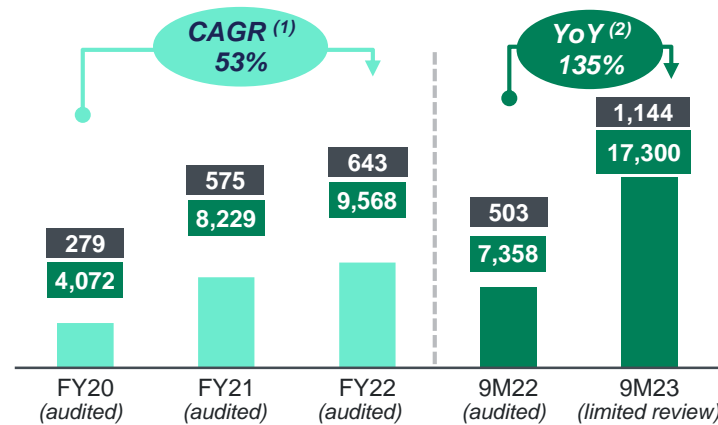
# Financial Highlight

# Profit & Loss Statements Highlights

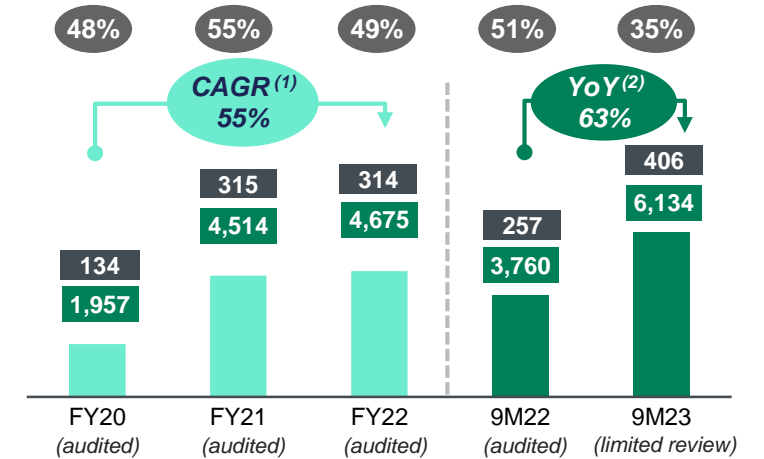
## – 9M22 to 9M23

- Strong track record of revenue growth driven by **production ramp up in mining and nickel processing facilities (smelter)**.
- Healthy profitability margin with **double digit gross profit, EBITDA and profit attributable to owners of the parent company**.
- Slower growth of performance's EBITDA and profit attributable to owners of the parent company in 9M23** was due to **lower nickel and cobalt prices and share in net profit associates coming from PT HPL**.

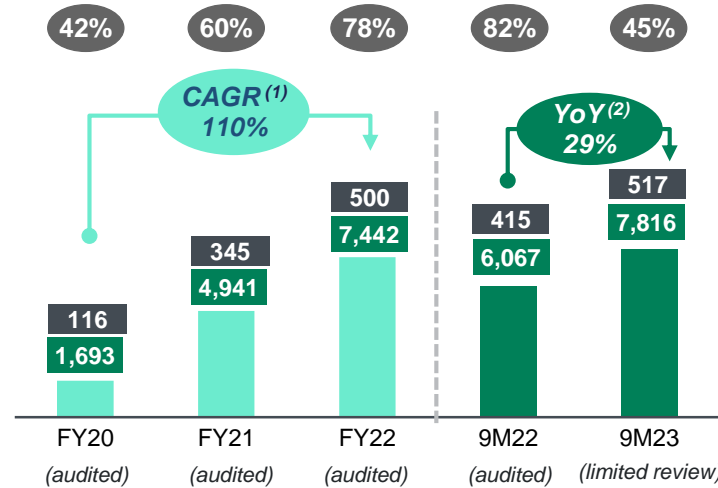
### Revenue



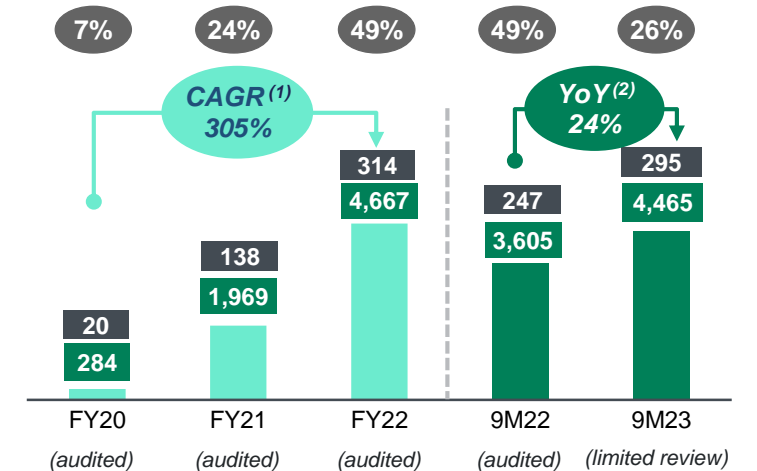
### Gross Profit and Margin



### EBITDA<sup>(3)</sup> and Margin



### Profit Attributable to Owners of the Parent Company and Margin



Notes: (1) CAGR is Compound Annual Growth Rate. (2) YoY represent growth percentage from year on year. (3) EBITDA is calculated using the sum of our profit from operations, share in profit of associates, finance income and depreciation and amortization. (4) Assumed exchange rate of USD/IDR 14,572 for FY2020, 14,312 for FY2021, 14,876 for FY2022, 14,621 for 9M22, and 15,121 for 9M23.

# Profit & Loss Statements 9M23

- Strong growth in revenue (135%)** was due to higher sales volume from mining business and new running smelter PT HJF. Higher sales in nickel ore due to additional 18k capacity of MHP in PT HPL and 95k new capacity of RKEF in PT HJF. **Mining sales volume grows 96% from 5.6 Mn ore to 10.9 Mn ore in 9M23.**
- Due to challenging market condition globally, nickel price drop YoY and impact our gross profit margin. GPM drop from 51% to 35% YoY, however **gross profit is grows 63% YoY from IDR 3.8 Tn to IDR 6.1 Tn. Profit for owners of the parent company grows 24% from IDR 3.6 Tn to IDR 4.5 Tn.**
- Merging entities' adjustments** represents the impact of business combination of **PT GPS** and **PT MSP** which affect retrospectively to TBP consolidated financial information.

	For The Nine-Months				
	Period Ended, September 30				
Exchange rate USD/IDR	14,621				15,121
<i>In IDR billion</i>	<i>Audited</i>				<i>Limited review</i>
	9M22	9M23	Increase/ (Decrease)	Variance (%)	
Revenue	7,358	17,300	9,942	135%	
Cost of good sold	(3,598)	(11,166)	(7,568)	210%	
<b>Gross profit</b>	<b>3,760</b>	<b>6,134</b>	<b>2,374</b>	<b>63%</b>	
Selling, general and administrative expenses	(623)	(1,053)	(430)	69%	
Other income (expenses), net	271	343	72	27%	
<b>Profit from operations</b>	<b>3,408</b>	<b>5,424</b>	<b>2,016</b>	<b>59%</b>	
Financing charges, net	(209)	(278)	(69)	33%	
Changes in fair value of hedging instrument	22	9	(13)	-59%	
Share in profit of associates*)	2,273	1,376	(897)	-39%	
<b>Profit before income tax</b>	<b>5,494</b>	<b>6,532</b>	<b>1,038</b>	<b>19%</b>	
Income tax expense	(713)	(866)	(153)	21%	
Merging entities' adjustments	(1,248)	-	1,248	-100%	
<b>Profit for the year</b>	<b>3,533</b>	<b>5,666</b>	<b>2,133</b>	<b>60%</b>	
Profit/(loss) for the period attributable to:					
Owners of the parent company	3,605	4,465	860	24%	
Non-controlling interests	(72)	1,201	1,273	-1,769%	
Other comprehensive income (loss)	686	(187)	(873)	-127%	
<b>Total comprehensive income</b>	<b>4,219</b>	<b>5,479</b>	<b>1,260</b>	<b>30%</b>	
Gross profit margin	51%	35%			
Operating profit margin	46%	31%			
Net profit margin	48%	33%			

Notes: \*) Share in profit associates mostly represents HPL profit on TBP's ownership.

# Profit & Loss Statements of QoQ

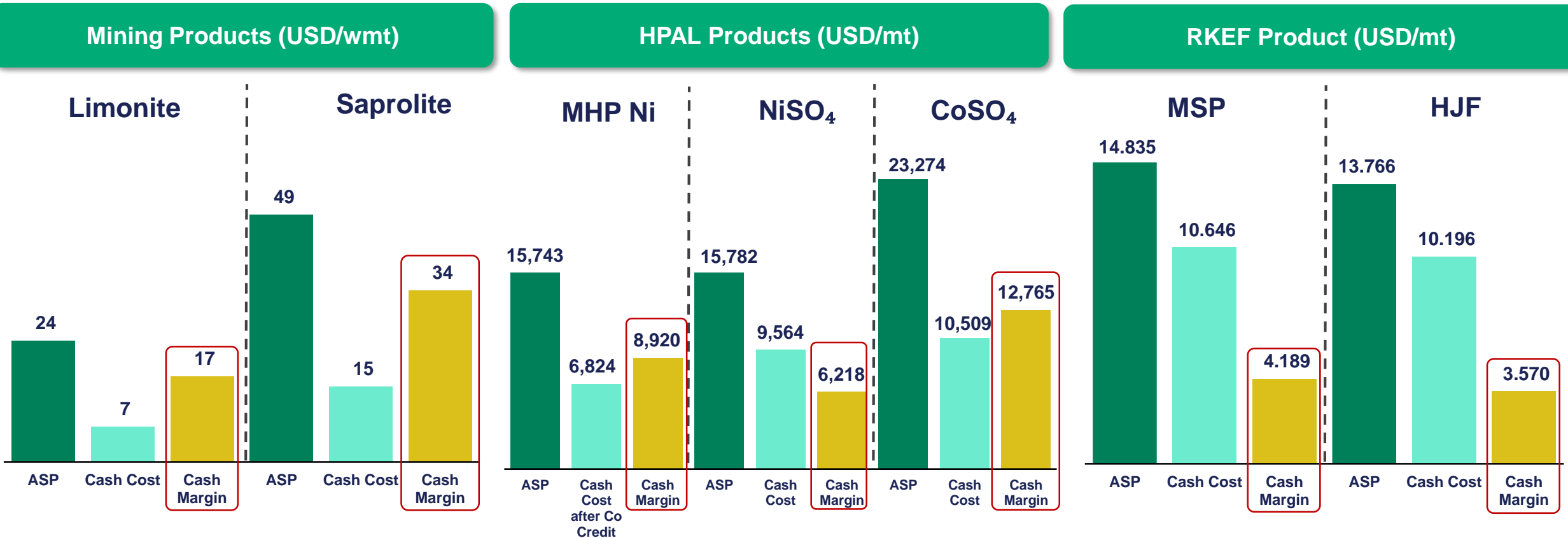
- Growth in gross profit in Q3 2023** from Q2 2023 was mainly due to the **higher efficiency of HJF production. HJF cash cost was reduced from USD 10,429/metal tons in Q2 2023 to USD 9,231 / metal tons in Q3 2023.**
- Net profit attributable to owners of the parent company** experienced a **healthy growth of 25%** in Q3 2023 compare to Q2 2023.

	In IDR Billion		
	Exchange rate USD/IDR		
	14,866	15,214	
	Unaudited	Unaudited	
	2Q23	3Q23	Variance (%)
Revenue	5,456	7,057	29%
Cost of good sold	(3,524)	(4,422)	25%
<b>Gross profit</b>	<b>1,932</b>	<b>2,635</b>	<b>36%</b>
Selling, general and administrative expenses	(358)	(301)	-16%
Other income (expenses), net	77	116	50%
<b>Profit from operations</b>	<b>1,651</b>	<b>2,450</b>	<b>48%</b>
Financing charges, net	(80)	(157)	96%
Changes in fair value of hedging instrument	-	9	100%
Share in profit of associates *)	417	437	5%
<b>Profit before income tax</b>	<b>1,988</b>	<b>2,738</b>	<b>38%</b>
Income tax expense	(279)	(281)	1%
Merging entities' adjustments	-	-	-
<b>Profit for the year</b>	<b>1,709</b>	<b>2,457</b>	<b>44%</b>
Profit/(loss) for the period attributable to:			
Owners of the parent company	1,377	1,719	25%
Non-controlling interests	332	738	122%
Gross profit margin	35%	37%	
Operating profit margin	30%	35%	
Net profit margin	31%	35%	

Notes: \*) Share in profit associates mostly represents HPL profit on TBP's ownership.

	In Thousand USD		
	Exchange rate USD/IDR		
	14,866	15,214	
	Unaudited	Unaudited	
	2Q23	3Q23	Variance (%)
Revenue	367,019	463,869	26%
Cost of good sold	(237,049)	(290,659)	23%
<b>Gross profit</b>	<b>129,970</b>	<b>173,210</b>	<b>33%</b>
Selling, general and administrative expenses	(24,071)	(19,771)	-18%
Other income (expenses), net	5,127	7,621	49%
<b>Profit from operations</b>	<b>111,026</b>	<b>161,061</b>	<b>45%</b>
Financing charges, net	(5,390)	(10,339)	92%
Changes in fair value of hedging instrument	-	593	100%
Share in profit of associates *)	28,046	28,747	2%
<b>Profit before income tax</b>	<b>133,681</b>	<b>180,062</b>	<b>35%</b>
Income tax expense	(18,735)	(18,470)	-1%
Merging entities' adjustments	-	-	-
<b>Profit for the year</b>	<b>114,946</b>	<b>161,592</b>	<b>41%</b>
Profit/(loss) for the period attributable to:			
Owners of the parent company	92,614	113,018	22%
Non-controlling interests	22,332	48,573	118%
Gross profit margin	35%	37%	
Operating profit margin	30%	35%	
Net profit margin	31%	35%	

# 9M23 ASP, Cash Cost and Cash Margin (Mining & Processing Business)



- **Healthy cash margin** in mining business: **71% margin** for Limonite and **69% margin** for Saprolite.
- In 3Q23, PT HJF average cash cost already reach **USD 9,231**, compare to **USD 11,185** in 1H23, while PT MSP average cash cost is **USD 9,334** in 3Q23.
- Cash margin of **MHP** is around **USD 8,920**, while cash margin for **FeNi** is around **USD 3,800**.
- **TBP** is one of the lowest cash cost integrated nickel player due to its strategic location and efficient operation in Obi Island.

An aerial photograph of a dense, lush green forest covering a hillside. The trees are vibrant green, and the canopy is thick. A semi-transparent green rectangular box is overlaid on the left side of the image, containing the text 'CSR, ESG & Sustainability' in white. The top and bottom of the image have a blurred green border.

# CSR, ESG & Sustainability





House - Outside



Clinic



Church



Community's port



Access road to community's port



House - Inside



Mosque



Adequate electricity supply



Business area



# CSR – New Kawasi Village

Progress **95.75%**  
(as of September 2023)

Update information:

- **259 houses and the public facilities** such as; Mosque, Church, Electricity, Health Center, Village office are **completed**.
- **Access Road to community's port** is under construction.
- **209 stores in the commercial area** still on progress, where as permanent stores also are **on progress (36.61%)**.



New Kawasi Village



Salam Kawasi

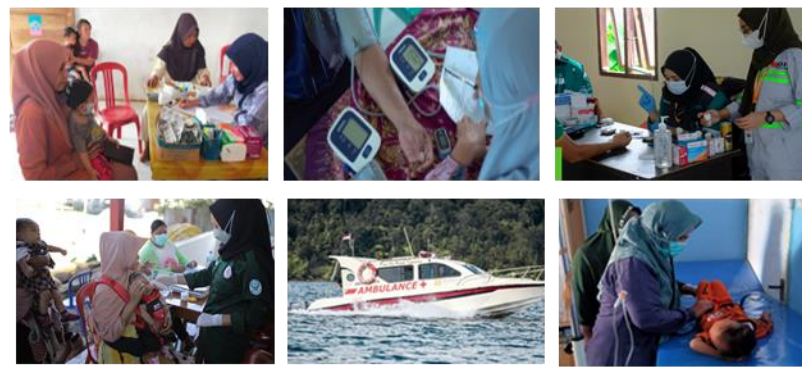
# Community Development & Empowerment Program as of 9M23



## Agribusiness & Farm Business

**691** Job Creation      **65** Local Suppliers      **26** Farmers Group

## Women SME Business



## Health Service

**631** Patients per month at Polindes  
**277** Medical Screening  
**499** Mothers and Babies are served per month  
 Free Medical Services; **4** Doctors,  
**14** Medical Staffs, **1** Ambulance and **1** Marine Ambulance



## Education

**6** Beneficiary Schools      **72** Teachers received incentive supports      **500** Students  
 Development new school in New Kawasi (computer lab, library, canteen, internet connection, school bus)



## Infrastructure

**543m<sup>2</sup>** Obi reGENCY office  
**286** Household electric supply



## Socio Culture

**198** Programs      Cultural Art Activities, Youth Activities, Religious & Sports Activities, and Social Donation  
**18** Activities

Average transaction amount/month



**IDR 11.9 Bn (~USD 793k)**



# Recognized & CSR Awards



## Sustainable Village Development February, 2023

From **Minister of Villages, Development of Disadvantaged Regions, & Transmigration of Indonesia**

- 3 Golds and 1 Excellent Award in **Corporate Social Responsibility (CSR)** and **Sustainable Village Development**.



## TOP CSR Awards June, 2023

From **Top Business**

- Top CSR Awards 2023 (4 stars) awarded to Harita Nickel through the **Community Development and Empowerment Program**.
- **Top leader in CSR commitment** awarded to Stevi Thomas as External Relations Director of Harita Nickel.



## CSR Detik.com Awards September, 2023

From **Detik.com**

- As an integrated nickel Company with **excellent corporate social responsibility (CSR)**.

# Decarbonization



*MSP RKEF plant reduced 795 GJ energy consumption through the use of used cooking oil as coal replacement in 2022*

## Cooking Oil

Background	Opportunity
<ul style="list-style-type: none"> <li>Used cooking oil usage for global biofuel production is predicted to <b>increase from 8.3 billion liters in 2021 to 13.6 billion liters/year in 2027</b> (source: International Energy Agency)</li> <li><b>Large potential due to 30,000+ workers on Obi site</b></li> </ul>	<ul style="list-style-type: none"> <li>Cooking oil from approximately <b>30,000 workers</b> on Harita Nickel’s Obi Island site</li> <li><b>Large quantities of available cooking oil</b></li> <li><b>Significant energy reduction potential</b></li> </ul>



# Decarbonization

8

Commissioned projects

6

Sustainable Energy types

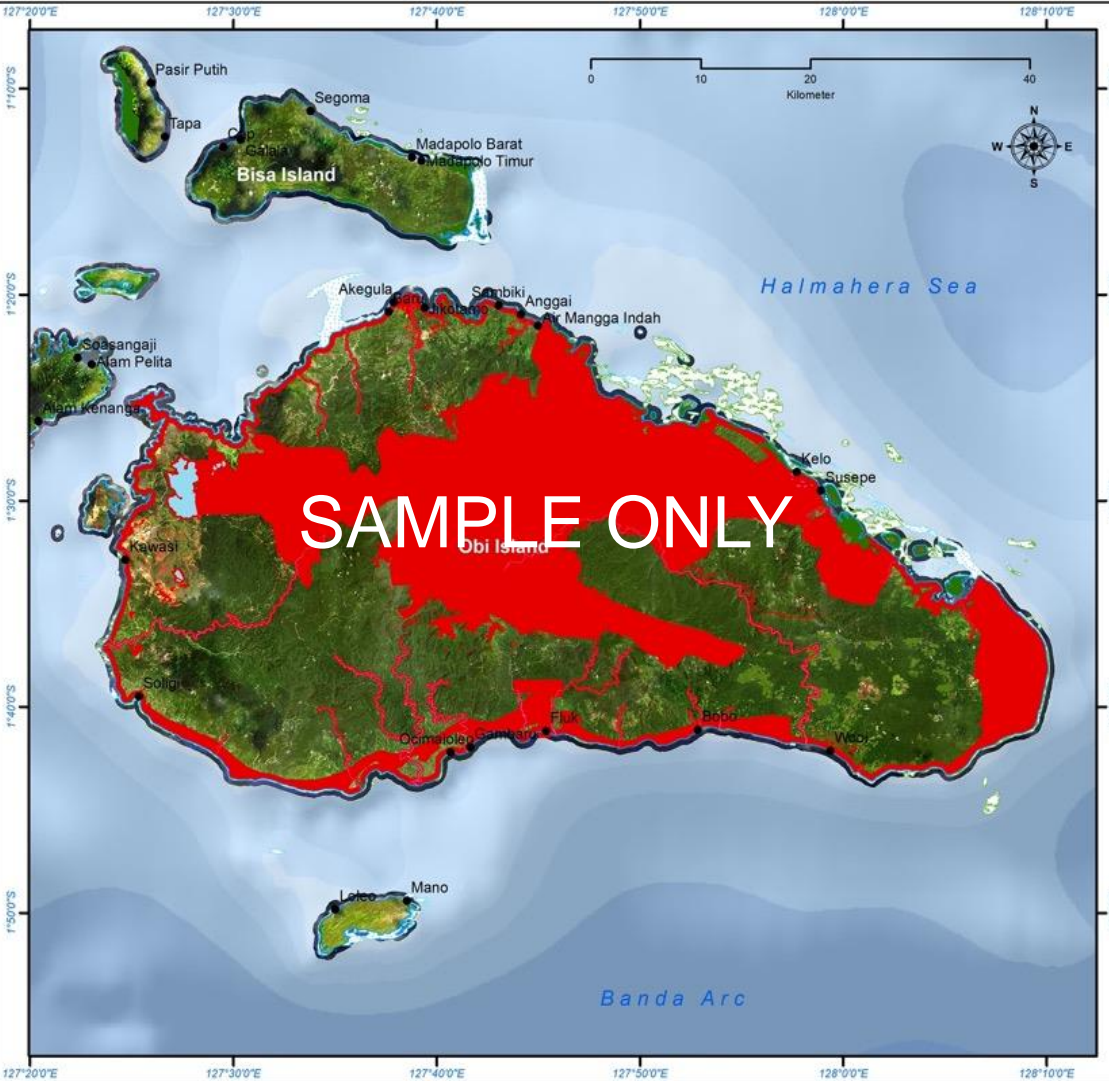
300 MWp solar panel facility to be commissioned in 2025



No	Project Name
1	Waste Heat Recovery for HPAL Plant.
2	Biodiesel (B35) Implementation.
3	Conveyor Coal Transport (Jetty to Coal Dome).
4	Street lighting-Solar PV (HPL - 30pcs @ 120Wp + 90pcs @ 60Wp), (TBP - 149pcs @ 60Wp), and (HJF - 17pcs @ 60Wp).
5	6 units of electric forklift.
6	6 units of electric towing.
7	Local community 1kWp Micro Wind Turbine + 2x200Wp Solar PV.
8	Cooking oil reuse as coal replacement for energy generation at RKEF.



# Biodiversity




## Commitments




- Net Terrestrial Conservation Gain** within 20 years
- Landscape-level Nature Risk Assessment**
- Detailed Environmental And Social Impact Assessments**

## Landscape-level Nature Risk Assessment




Background	Opportunity
<ul style="list-style-type: none"> <li><b>Only 1% of Obi Island’s land is used for mining</b></li> <li><b>Future mining activities (Harita and other) need to be planned carefully</b></li> <li><b>Sensitive biodiversity as part of coral triangle, Wallacea and home to several Key Biodiversity Areas</b></li> </ul>	<ul style="list-style-type: none"> <li><b>Create a holistic risk map for mining land usage</b></li> <li><b>Reduce and predict risk of biodiversity damage</b></li> <li><b>Create required compensation plans for mining land usage</b></li> </ul>

# Ecosystem and Environment



Reforestation


467,000 – 479,000 seeds/year

Total coverage area for reclamation 262.3 ha

2019


➔


2023

Reclamation area





>47,000 seeds, 23.08 ha, 4 locations




1,466 Artificial reef, 350 m<sup>2</sup>


Watershed rehabilitation

1



Sampling seawater quality

2


Sampling plankton

3



Sampling the water brightness

4


Seawater Column Profiling (CTD)



5



Fish and coral monitoring


6


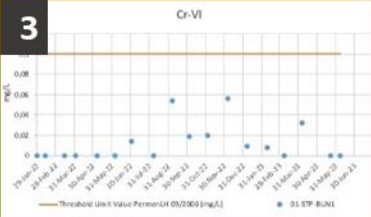
Monitoring water temperature using a thermistor



Marine Conservation


Water



1



2


3



4


(1) Tugurachi, and (2) Bunaken Sediment Pond. (3) CR Test and (4) TSS Test. Size >500 olympic-sized swimming pools.





Air Pollution Prevention: Coal Dome – indoor coal storage (600 x 140 mtr ~ 300,000 MT).


Marine Conservation

# Alignment With Best Practice Governance Standards

## IRMA Audit



A comprehensive standard for responsible mining and mineral processing that is supported by a wide range of stakeholders (Government, NGOs, etc.)

Background	Benefits
<ul style="list-style-type: none"> <li>• 3<sup>rd</sup> party certification requirements of EV battery material buyers.</li> <li>• IRMA is seen as the <b>strongest certification</b>, and has <b>broad support</b></li> <li>• <b>Strong recommendation from various stakeholders</b> (incl. Indonesian Government, NGOs, buyers)</li> </ul>	<ul style="list-style-type: none"> <li>• Realize growing <b>EU &amp; global market opportunities</b>.</li> <li>• Become <b>preferred supplier</b> by providing <b>assurance of compliance</b> with strong <b>responsible sourcing standards</b>.</li> <li>• <b>Risk reduction</b> through alignment with broadly accepted IRMA standard.</li> <li>• <b>Reduce need</b> for future <b>buyer audits</b>.</li> </ul>

## Standards & Certifications



*Creating Markets, Creating Opportunities*

Regular **compliance assessments** against **IFC Sustainability Performance Standards**



GREENHOUSE GAS PROTOCOL

**GHG Emissions Scope 1-3** calculated according to Greenhouse Gas Protocol



**95 GRI Indicators disclosed**, and **third-party assured** for [2022 Sustainability Report](#)



**GHG Emissions Scope 1-3** calculated according to **ISO 14064-1:2018**

**ISO 45001** and **ISO 14011** certification for mining operations & in progress for processing operations



**IFRS Sustainability Disclosure Standards indicator measurement progress**

(% indicators measured/calculated):

Standard 1: 87%

Standard 2: 64%

Standard 2 Industry-Based Indicators: 100%

**SASB Metals & Mining Indicators: 81%**



**Climate-related risk assessment completed**  
Implementation of recommendations **in progress**



# Recognized as ESG Leadership by Industry Thought Leaders

As of August 2023

## Low emissions technology



Steven Brown • Following  
Responsible mining and metals  
1w •

It's great to see the progress of some of Indonesia's emerging producers. Among them, **PT Trimegah Bangun Persada (Harita Nickel)** (TBP), which has recently listed on the IDX, stands out for its leading role in Indonesian battery-grade nickel production. Their latest report sheds light on their pioneering investments and commitment to responsible production.

There is a need for the rest of Indonesia's nickel sector to follow leaders such as TBP. Indonesia accounts for over half of global nickel supply, and all of that production is concentrated in one special type of environment called tropical ultramafic rainforests. This environment is highly unique and poorly understood. The cumulative impacts of the sudden surge in nickel production in such a small area have not been assessed.

Fortunately, there are some bright spots, showing that things can be done responsibly. The question remains, will others follow, and how long will it take to get there?

### Dry tails

Tailings management is a key issue in the mining industry. TBP has pioneered the use of dry stacking of its HPAL waste, becoming Indonesia's first company to use this method. This is widely considered to be the safest form of tailings storage, due to the stability of the structure. This is especially important in the high rainfall and seismically active region in which TBP operates.

TBP's dried stack is located in a mined out area that is backfilled with dry tails. All water from the tails area is collected and treated to meet regulatory limits. When full, the stack will be capped and revegetated back to its original forest cover to reduce risks to the environment.

Considering land availability and the complexity of tailings handling over larger distances, for the next phase, TBP will develop a tailings storage facility (TSF). This option was chosen after careful consideration of various factors, including the safe delivery of tailings over longer distances, and to reduce the operational risks of tailings management. This was done in consultation with relevant stakeholders, including local communities and government authorities.

**TBP's dry stack is an industry-leading method for safely storing tailings**

The new tailings dam is designed to meet international standards, including the Australian National Committee on Large Dams (ANCOLD) and International Committee on Large Dams (ICOLD), to ensure the highest level of safety design. The design is subject to a thorough review by the Indonesian Dam Safety Commission, which includes an international review. To provide for dam safety, as well as environment and infrastructure protection, TBP is also evaluating the new Global Industry Standard on Tailings Management (GISTM), and where appropriate will adopt these principles in the design and operation of the TSF.

### TBP's technological advances have led to significant reductions in carbon emissions.

TBP's initial RKEF investment, which commenced operations in 2018, provided an appropriate entry to the nickel supply sector, taking into account available technology and market conditions at that time. The carbon emission intensity of that investment was around 75 tonnes of carbon dioxide equivalent per tonne of nickel in ferrous nickel produced (t CO<sub>2</sub>e per t Ni).

Since that time, TBP has made critical investments to reduce carbon emissions. TBP's second RKEF development, which was commissioned in 2022, uses a range of energy efficiency improvements, such as the use of gasified coal. It is expected that this will reduce the carbon emission intensity of the new RKEF. Quantifiable reductions will be available by early 2024, once the plant has reached steady operations.

TBP's HPAL development uses a low energy and low emissions technology, making it Indonesia's lowest-emission nickel, alongside the other HPAL plants that have been built after TBP's breakthrough investment. The carbon emission intensity from the HPAL plant is just 10 t CO<sub>2</sub>e per t Ni, significantly lower than all previously built nickel plants in Indonesia.

**TBP's HPAL plant produces low carbon nickel**

### Human rights

Respecting human rights is important to the sustainable operation of TBP's business. TBP understands its potential to rectify impact, contribute to or be linked to human rights impacts on people through its operations and relationships with business partners stakeholders.

TBP respects internationally recognised human rights as set out in the Universal Declaration on Human Rights. TBP also ensures full compliance with the applicable laws and regulations of Indonesia, and operates in a manner consistent with the United Nations (UN) Guiding Principles on Business and Human Rights and the 10 UN Global Compact Principles.

As a significant producer of cobalt, TBP is aware of the importance of respecting human rights, including the use of child labor, which has been found in other cobalt mining regions around the world. While these problems are not present in the regulated Indonesian mining sector, TBP maintains strong policies to prevent human rights issues within its business entities and contractors.

TBP strictly prohibits, and is committed to taking strict and measurable action against any form of human rights violations, including but not limited to:

- The use of underage workers
- All forms of forced labor
- All forms of human trafficking
- All forms of discrimination based on differences in religion, ethnic group, gender, and language, as well as disabilities
- All forms of violence, sexual harassment/harassment, bullying, or intimidation between workers, work partners, stakeholders, and parties related to the TBP's operations.

TBP follows the following principles in recruitment:

- No recruitment of underage children. Each applicant must be at least 18 (eighteen) years of age.
- Recruitment is free of charge.
- The company does not cooperate with any travel agency.
- Announcements regarding job vacancy information are only through the TBP's official information channel.

### Independent reviews



Steven Brown  
Responsible mining and metals expert

TBP demonstrates its position as a leader in responsible nickel production in Indonesia. The company is leading the Indonesian industry in low emissions technologies and value-adding production. It has the systems in place to continuously improve its performance, in line with growing stakeholder expectations.



Eric Wakker  
PT Inovasi Digital

This report provides a crystal-clear description of TBP's operations that are well-managed. It offers essential baseline information, and it thereby addresses various misconceptions about the company's operations. As such, this report offers an excellent starting point for stakeholder engagement.



Fachruddin Tukuboya  
ST.MM  
Head of Environment Office (DLH) North Maluku Province

This report shows TBP's commitment in maintaining its responsible operations. The company ensures the principles of health and safety as well as sustainability are well integrated into the entire business operations. This report is also developed to communicate with stakeholders, allowing them to understand and evaluate the performance on Environment, Social, and Governance (ESG) areas. Proactively engaging the stakeholders throughout the process and making sure there are measurable impacts we can monitor from the operation is also an essential part of the company's sustainable-mining practices.



Ir. Irwan Iskandar, S.T., M.T, Ph.D.  
Institute Teknologi Bandung

As a leading HPAL technology company in Indonesia, the company has implemented good mining practices, including managing tailings and water properly and can be a role model in this business. The important key in mining sustainability is environmental management that does not only comply with quality standard parameters, but also how mining management pays attention to local wisdom and post mine development in the future.



Dr. Ir. Irdika Mansur  
M.For  
Head of Advanced Research Laboratory Unit at IPB University

This report gives a clear yet comprehensive report on TBP's business activities and its continuous improvement on the mining operation to ore processing, environmental impact management, social responsibility, and governance. From this report, stakeholders would find a strong commitment of the company to regulation.

**TBP has strict policies and procedures to respect human rights**

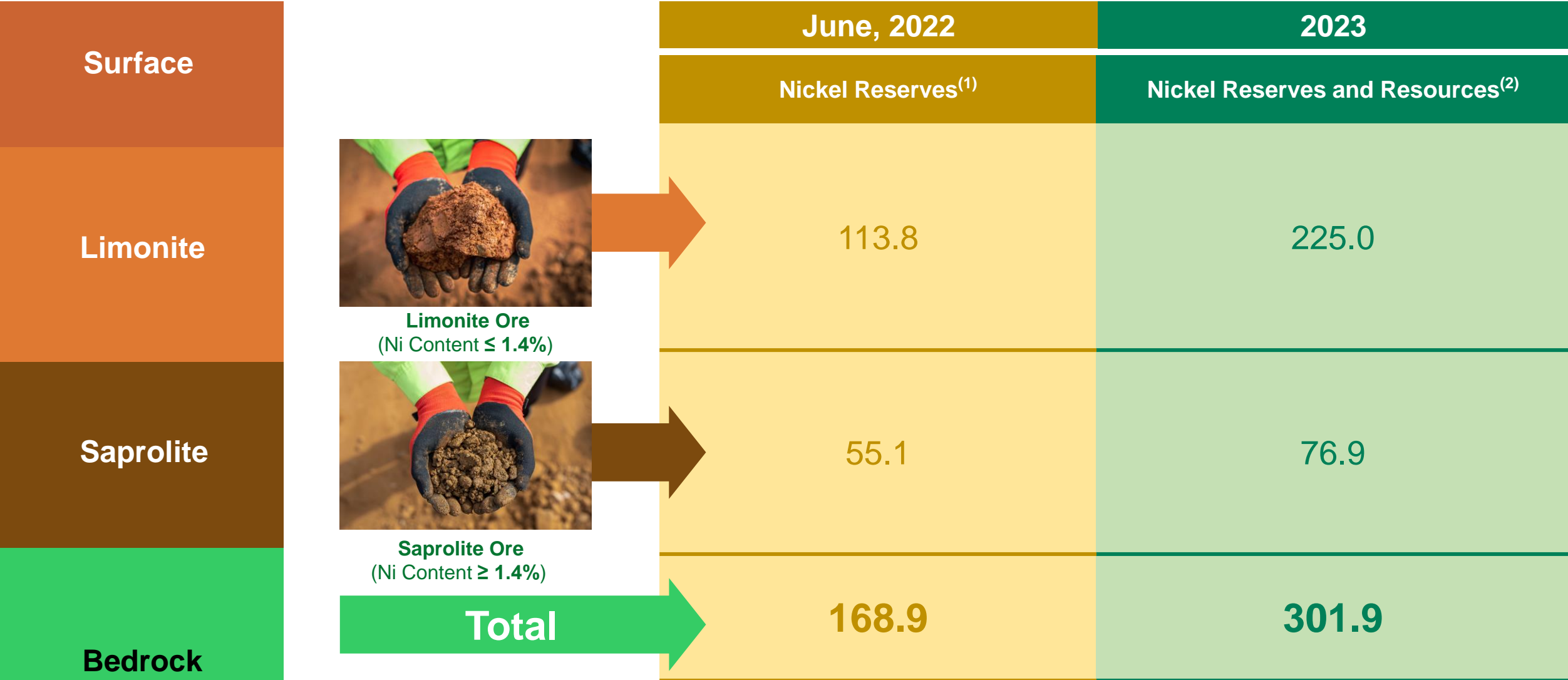
**Jobs created through community programs**

**691**



# Special Announcements

# Total Nickel Ore as of 2023 (Mn WMT)



Notes: (1) It's estimated based on TBP, GPS, and JMP  
 (2) It's estimated based on TBP, GPS, JMP and GTS

# Reserves Replacement Strategy

Strategy	Description
<b>Extensional drilling</b>	Undrilled areas within the areas covered by our existing IUPs
<b>Infill/development drilling</b>	Confirm the continuity of mineralization in a deposit and define mineable (proven/probable) reserves for detailed mine plans for production
<b>Drilling in old disposal / reclamation areas</b>	Identify buried waste material (< 1.8%) disposed during previous mining operations that mined high grade nickel ore at a CoG above 1.8%
<b>Beneficiation Studies</b>	Conduct some tests on lower saprolite materials (< 1.4% Ni) that potential for upgrading optimum nickel grades
<b>Lowering cut off grade (CoG)</b>	to attain average grade of nickel limonite at minimum 1.0% and saprolite at 1.70% or lower and improve smelter capability in processing lower nickel grades
<b>IUP Acquisition</b>	<p>Acquiring new IUPs that have economic potential:</p> <ul style="list-style-type: none"> <li>• Unexplored areas in existing IUPs or previous IUPs (which have been abandoned, expired, or revoked)</li> <li>• New areas not delineated or registered as IUPs</li> </ul>

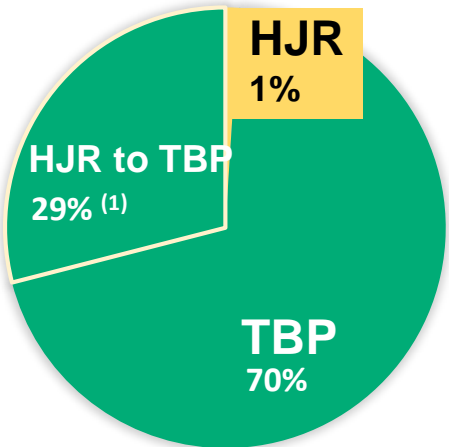


# Acquisition Updates

## GPS(2)

Limonite 56 Mn wmt  
Saprolite 15 Mn wmt

% of ownership in **GPS** from 70% to 99%.



Acquisition Cost



**IDR 48.8 Bn**  
~ USD **3.05 Mn**



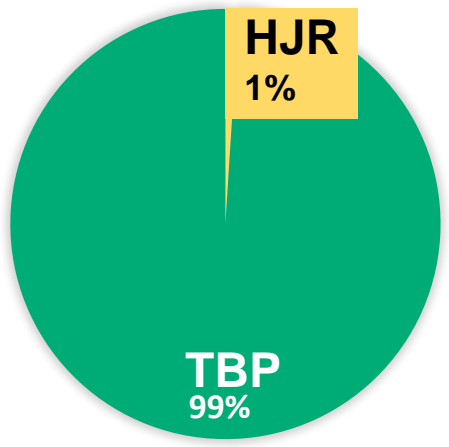
**Total area ± 1,300 Ha**, located in West Obi Island.



## GTS(2)

Limonite 26 Mn wmt  
Saprolite 12 Mn wmt

% of ownership in **GTS**.



Acquisition Cost



**IDR 7.9 Bn**  
~ USD **0.49 Mn**

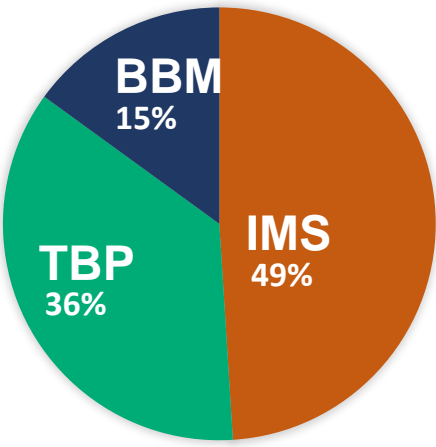


**Total area ± 2,300Ha**, located in South Obi Island.



## KTS

**TBP** has established JV with local partner in 2023, whereas the Shareholders are TBP, BBM, and IMS.



Initial Capital Injections



**IDR 450 Mn**  
~USD **0.03 Mn**



**Total area ± 3,500Ha**, located in South Obi Island.



Notes: (1) 29% reserves of PT GPS = 16 Mn wmt Limonite & 4 Mn wmt Saprolite, (2) Saprolite and Limonite consist of reserves and resources.

An aerial photograph showing a large, flat, tan-colored deck of an offshore platform. Two prominent red cranes are mounted on the deck, one on the left and one on the right. In the center, a green and white cargo ship is docked, its deck covered with numerous white containers, many of which have 'RISUN' printed on them. Two smaller tugboats are positioned around the cargo ship. The surrounding water is a deep blue-grey. The text 'Thank You!' is overlaid in large white font at the bottom of the image.

Thank You!