

Company Profile

Overview of

Harita Nickel













From Obi, for Indonesia

A beautiful view from the Komodo reclamation area at Site Obi



Key Highlights of Nickel in Indonesia



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Key Highlights of Nickel in Indonesia



Key Highlights of Nickel in Indonesia

Indonesia is a key player on the global stage due to its large size, strategic location, and rich natural resource endowment.





World's largest Nickel reserves*

World's fourth largest population



17,500 islands with +108,000 km of coastline

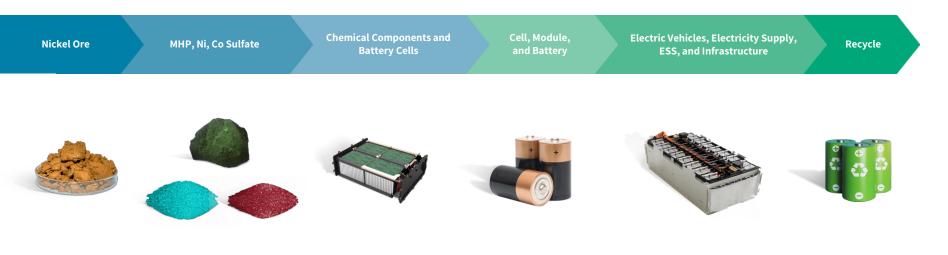


Strategic location for international shipping access

*based on Mineral Commodities Summaries 2002 report by United States Geological Survey



Indonesia's Journey Towards Nickel Industrialization





Overview of Harita Nickel





Vision

To optimize the value of our resources to best contribute to shareholders, stakeholders, and the nation.

Mission

Sustainable excellence through continuous improvement of people and process.







Established over a century ago, Harita Group has more than 40,000+ employees across various sectors.



Palm oil plantation

52% in Singapore-listed Bumitama Agri, a palm oil cultivator and producer, with a market capitalisation of US\$1b.



Mining

One of the largest nickel ore producers in Indonesia with mines located on Obi Island

Listed on the Indonesia Stock Exchange - ID

Processing

Two ferronickel smelters One HPAL Refinery

Expansion plans on HPAL & Refinery are on going

Total Capacity 230k tons of nickel per year by 2024

Stainless Steel Plant in pipeline



Bauxite Mining

Harita owns 61% in Indonesia listed CITA, the largest bauxite miner in Indonesia, with a market capitalisation of US\$820m

Alumina refinery

CITA owns 30% in WHW, a Smelter Grade Alumina refinery with capacity of 2 million tons per annum

Glencore owns 32% of CITA



Shipping

140 vessels including tugs, barges, floating cranes, tankers, ferries

Mining support

Operational and logistical support to the mining operations of related companies

Real Estate

Partnered with Perennial Real Estate to develop a property project in Sentul City

Plywood and Timber

78% in Tirta Mahakam Resources, a manufacturer of plywood and related products

Securities



From Obi, for Indonesia



Located in the eastern part of Indonesia Kawasi Village, Obi District, Halmahera Selatan, North Maluku National Strategic Project

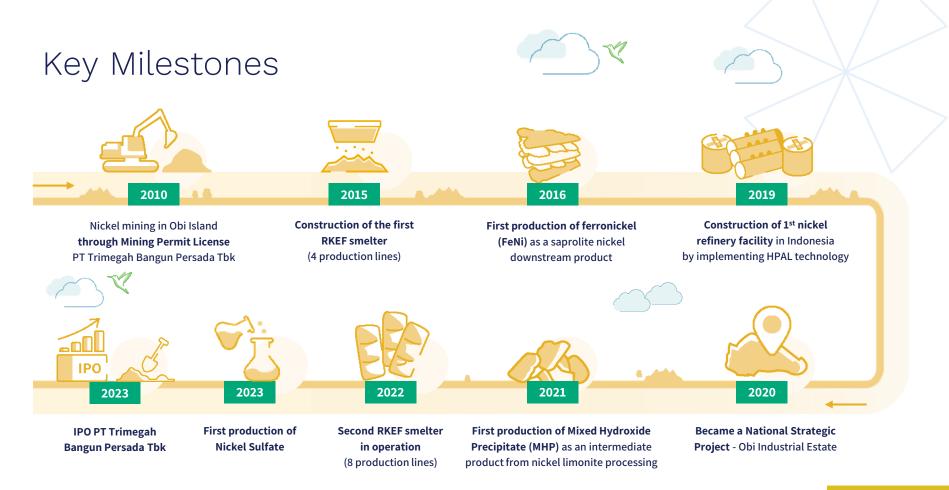
National Vital Object

>20,000 Employees

>85% Indonesians

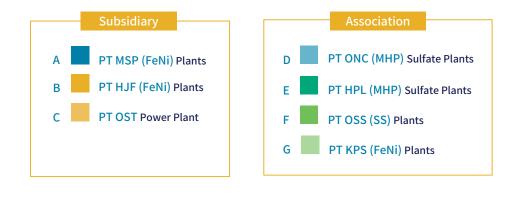
>50% Employees from North Maluku







Integrated Nickel Mining and Processing on Obi Island



Strong Exposure to Battery Materials Unique Geographical Advantage with Low Operating Cost





Nickel Processing Facilities on Obi Island



2016



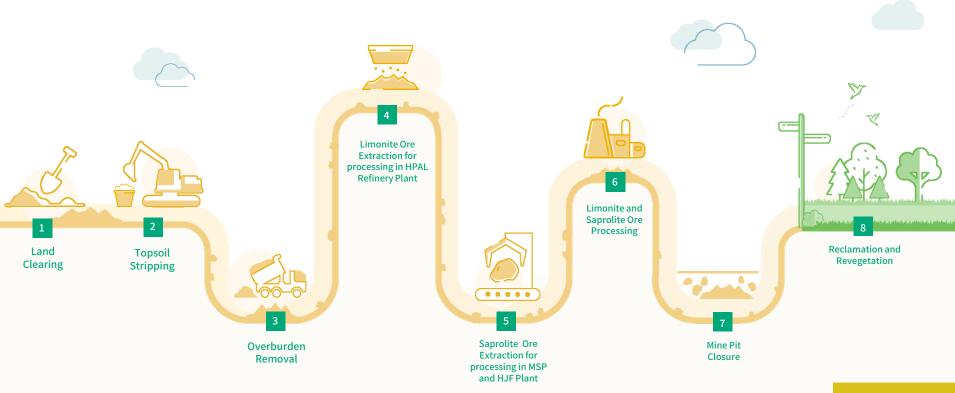


2024 2025

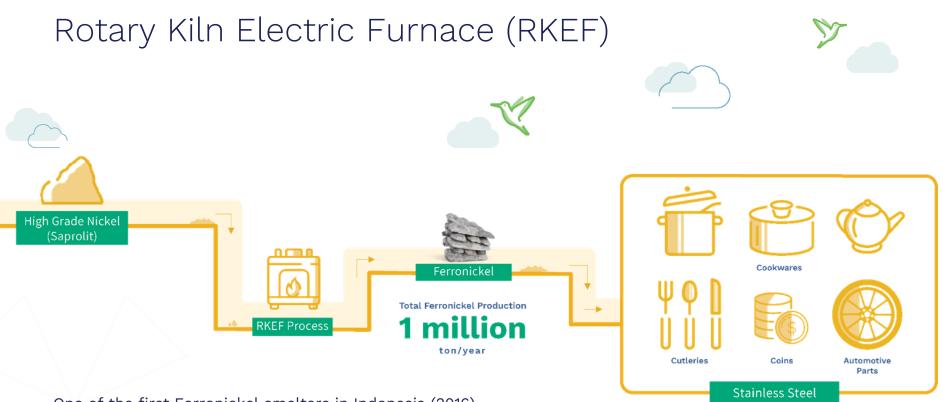
3 smelters are on operational 2 smelters are in the construction process Total investment > Rp50 billion *until mid-2023



Nickel Mining Processing

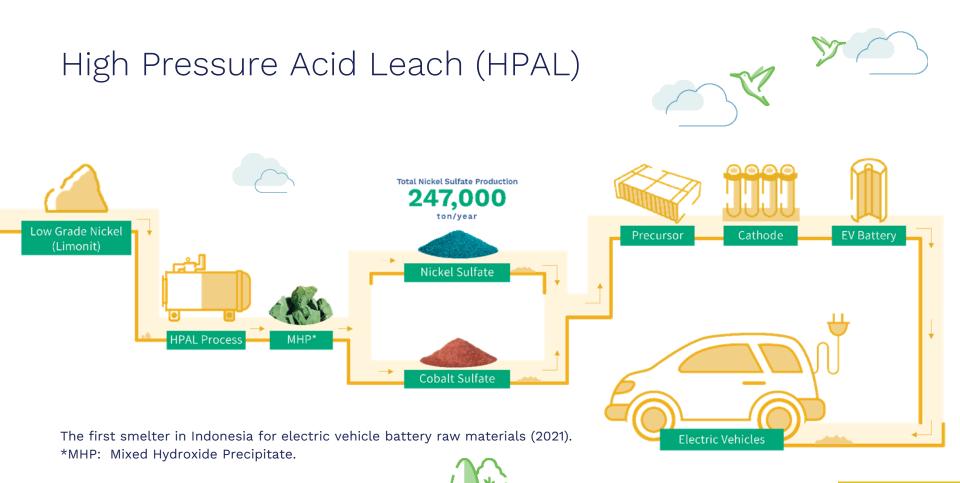






One of the first Ferronickel smelters in Indonesia (2016).

HARITA





Sector March March March March March March March March

Waste Management



Types of the Nickel Byproducts

- Nickel slag: a byproduct of RKEF process technology, a granulated slag formed by natural cooling or water quenching of a melt formed during the smelting process of nickel metal
 - **Tailing slurry**: a byproduct of HPAL technology, composed of a low percent of solids and relatively high water content.
 - Both types of byproducts are considered as non-hazardous and non-toxic.











The Use of Nickel Slag

- Repurposing slag nickel, a ferronickel smelting byproduct, for building materials like bricks and concrete mix.
- Nickel slag concrete applied in factory road, construction, and industrial zone drainage.
 - Utilized a total of **409,715 m²** of nickel slag concrete.



Tailing Neutralization Process

We utilize **Dry Stack System** with the procedure as follow.

- Wet tailings are neutralized in the tank to adjust pH.
- Our Environmental team and 3rd party' study shows that dried tailings are classified as nontoxic, non-reactive, non-flammable, nonexplosive, and non-corrosive.
- Filter-pressing follows for the tailings, directing them to the Liquid Wastewater Treatment Plant (WWTP).









Environmental Protection & Management



From Mines to Meadows

- Total area of mine pit as on 2022: **262.4 ha**
- Plant type: local plant and fast growing

Monitored regularly by independent 3rd party





Water and Sea Monitoring

- To ensure we remain compliant with government regulations, water quality is monitored regularly by independent, registered third party assessors and by the Harita team.
- Testing is carried out within the operation and at marine discharge points to ensure the organic chemicals, pH levels, temperature, salinity and total suspended solid measurements are within range.
- We use the **Environmental Protection and Management** law and the **Wastewater Standards for Nickel Mining** law as quality benchmarks.



Environmental Conservation Programs

Artificial Reefs

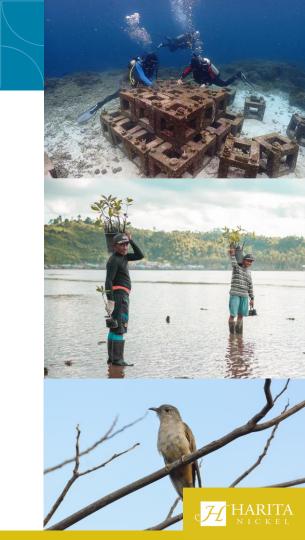
- Management of Water Quality & Water Pollution Control (Government Regulation No. 82 Year 2001)
 - Waste Water Quality Standard (Baku Mutu Air Limbah) for Nickel Mining Activities (Minister of Environmental & Forestry's Regulation No. 9 Year 2006)

Mangrove

- Up to Mar. 2023, total mangrove seeds planted are 47,000 seeds. Total area planted: 22,49 hectares
- **Location**: Soligi, Awango, Belang-Belang, and Guriaping Kayoa

Biodiversity

- The commitment for biodiversity include the net terrestrial conservation gain within 20 years by conducting rehabilitation to maintain green space
- Our commitment to achieve net conservation include marine program such as preservation and restoration of mangrove areas and watershed



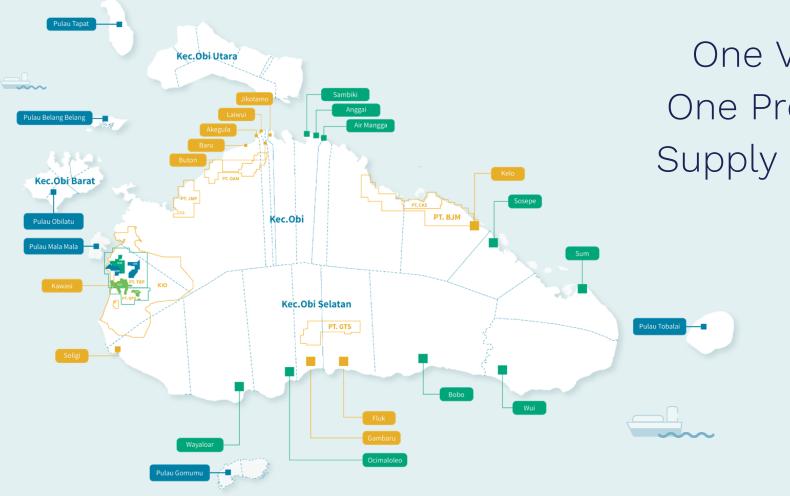
Impact on Communities



Empowering Communities

Harita Nickel demonstrates its commitment to society well-being on Obi Island, not only through environmental concerns but also through active engagement with the local community.







One Village One Product Supply Chain

Infrastructures Improvement

PIJAR OBI, provision of basic electricity infrastructure to the residents of Kawasi Village, Tabuji Hamlet, and Baru Village.



Infrastructures Improvement





Electricity supply for 250 families at Kawasi Villages and 36 Families at Tabuji Villages



Obi Regency Building; Total building area 543 m2



Maintenance & Refurbish piping equipment, spring water facilities



Provision of churches and mosques in 4 Villages



Donations of Fire Trucks and Garbage Trucks



Drainage Construction at Kawasi Village



Normalization of Soligi River





Health Service Initiatives

Posyandu Assistance, Harita Nickel supports efforts to improve the quality of maternal and child health in the villages of Kawasi and Soligi.



Health Service Initiatives





1.359 Patients at Polindes Kawasi



251 Patients at Polindes Soligi



568 babies & mothers treated at POSYANDU Soligi



Free Medical Services; 4 MDs and 14 paramedics



399 babies & mothers treated at POSYANDU Kawasi



Providing 1 MD at Polindes Kawasi



Company's Clinic to serve Public Emergency Case



PHBS Trainings by Puskesmas Laiwui



Regular Medicine Donations for Polindes Kawasi



Economic Empowerment – Development

OBI SEHATI, Cultivation of Watermelon and Melon to boost the local economy in the mining's surrounding communities.



Economic Empowerment – Development

Agribusiness







Fishermen group empowerment program with various support such as building facilities, power generator units, boats and engines, and storage facilities.

Women SMF Business

Fisheries



31 members

15 members



Education Service Initiatives

Educational Facilities and Infrastructure, Harita Nickel promotes teaching and learning by supplying new furniture to all schools in the new Kawasi location.



(e)



Provision of incentive monthly assistance for 62 honorary teachers



Teaching supports at Kawasi & Soligi villages



School Renovations; incl. school equipment & facilities

Education Service Initiatives



Sharing by internal employee in "Harita Mengajar" Program



Scholarships for students



Reading materials Distribution of comic "*Dari Obi untuk Indonesia*" for 4 schools





Apprenticeships at UNKHAIR - Ternate, and 3 apprenticeships at UPN Veteran Yogyakarta



Students received immunization for Measles & Rubella





*Data as per September 2023

Socio-Cultural Improvement

Lomba Tr

Ngibi Traditional Dance Festival, Harita Nickel hosted a dance art festival to preserved traditional Butonese dances in Soligi Village, Obi Island.



Socio-Cultural Improvement





Art Festivals – Supporting Ngibi & Cakalele dance festivals



Sport Activities – Supporting local sport tournaments



Youth & Religious Activities - Supporting Religious Youth Programs



Disaster victims, providing **food packages for 904 poor people,** providing **kerosene for 384 families** at Kawasi Village





Social Donations -Supporting 502 orphans



New Kawasi Village



.



New Kawasi Village



259 unit with **4 types** of houses building



24 hours electricity

access & clean water



Public Services Facilities: Village Office & BUMDES Sub-district Health Center Hitualamo (Hall), Children's Playground Area



Central **Economic** Services: Mini Market, Market Stalls, Food Court, Laundry, Bank.



School Facilities Early childhood education, Islamic school, Elementary school, Junior High School, High School



Religious Facilities: Mosque, Prayer Room, and Church



Sport facilities for students & community



Integrate Farming Area Development & Training in High-Value Agricultural Commodities



- Public use **1,5 Ha** - Public Port

- 7-meter and 5-meter Concrete Roads - Integrated Waste Management







