

Natural Resources and Manufacturing Projects Catalog



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MINISTRY OF INVESTMENT AND DOWNSTREAM INDUSTRY/
INDONESIA INVESTMENT COORDINATING BOARD

EV Battery Cathode Industry

Central Java Province

Investment Opportunity Map
to Support Green Economy



FOR MORE INFORMATION
SQAN QR HERE





Project Profile



The development of the NMC811 cathode battery requires a lot of nickel as the main raw material with a composition of 80% nickel, 10% manganese and 10% cobalt.



Indonesia has the world's **No. 1 Nickel** reserves, controlling 22% of reserves and 31% of nickel mining production, as well as **4% of the world's Bauxite** (Al) mineral reserves.



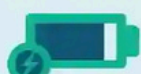
Supporting the roadmap of Nickel Downstreaming to increase added value through **electric vehicles (EV) development in 2030** with a production target of **600,000 units** for four wheels or more and **9 million units** for two wheels.



Supporting the acceleration of **energy transition** in accordance with the framework of **green investment** and meeting Indonesia's ENDC (Enhanced Nationally Determined Contributions) commitment.



Business Sector



KBLI

27203

Battery Industry for Electric Vehicles



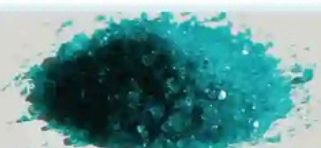
Investment Value



IDR 8.03 T

Types of Raw Materials & Production Capacity

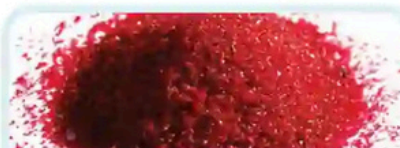
Types of Raw Materials



Nickel Sulphate
107,499 tons/year



Manganese Sulphate
9,230 tons/year



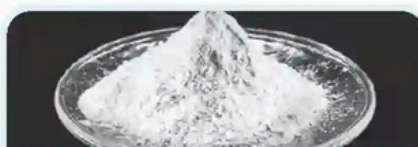
Cobalt Sulphate
14,312 tons/year



Lithium Hidroxiide
12,948 tons/year



Natrium Hidroxiide
37,031 tons/year



Ammonium Hidroxiide
3,606 tons/year



Aluminium Oxide
300 tons/year



Production Capacity

Cathode NMC811
30,000 tons/year

Project Location



Grand Batang City,
Gringsing District, Batang Regency,
Central Java Province

Managed by

PT Kawasan Industri Terpadu Batang

Land Area

53.25 ha

Land Status

Building Use Rights over Land Management Rights

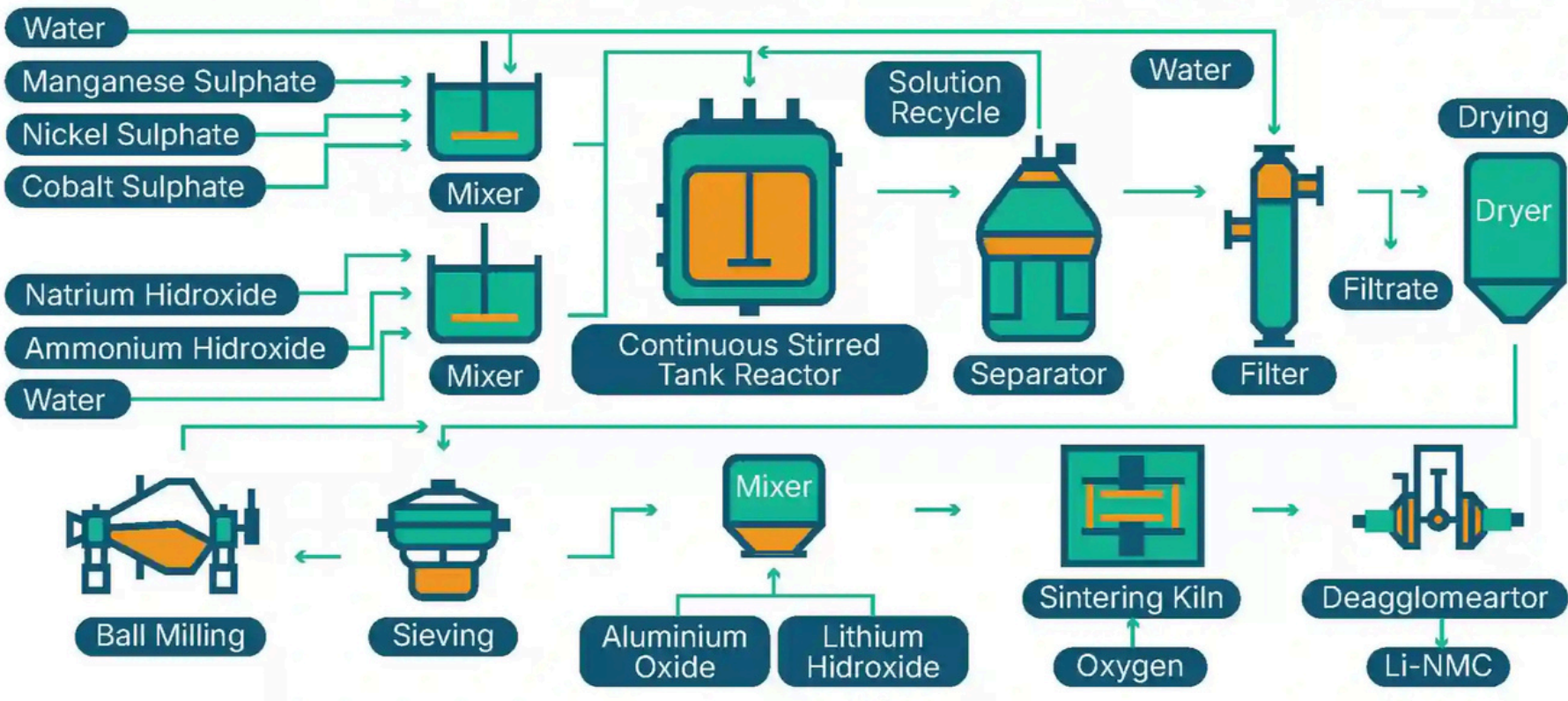
Land Lease Price

IDR 1,300,000/m²

Technical Aspect

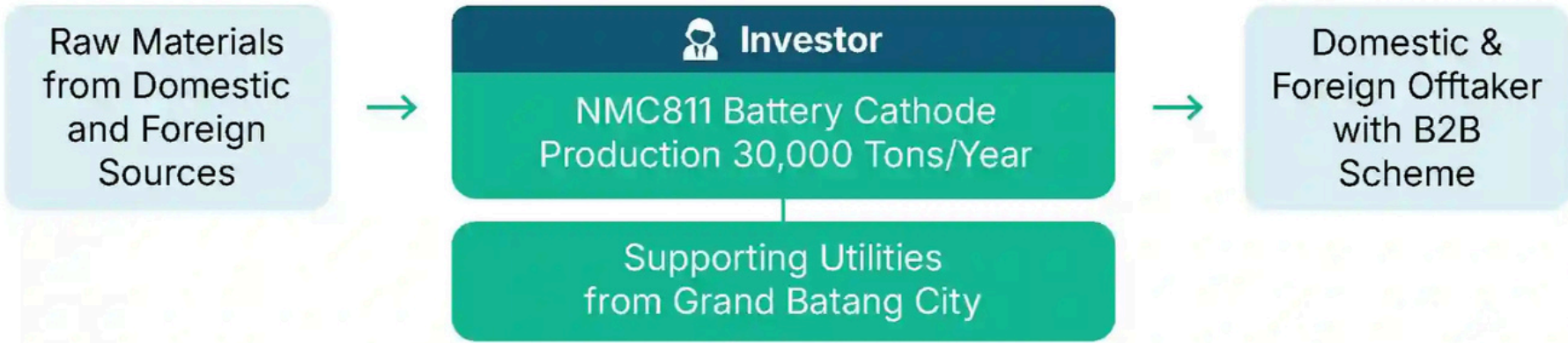
Flow of Production & Types of Technology

The NMC cathode production flow consists of two main processes: (1) co-precipitation process to produce NMC hydroxide precursor; and (2) solid state synthesis to produce NMC cathode active material.



Types of Technology	Co-Precipitation Process & Solid State Synthesis
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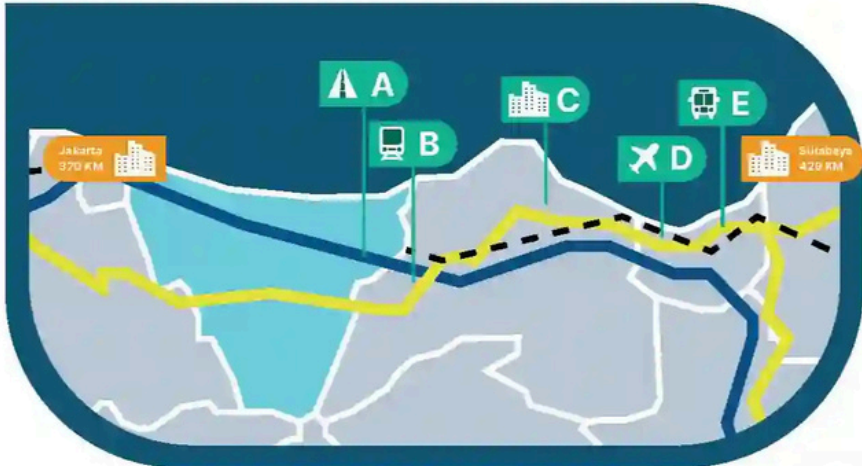
Business Scheme



Infrastructure

 Clean Water Requirement: 820 m ³ /day Water Treatment Plan (WTP): 285 l/s	 Gas Requirement: 0.76 MMSCFD Existing: 15 MMSCFD Plan: 25 MMSCFD
 Electricity Requirement: 34.25 MW Existing: 34 MW Plan: 2 × 60 MW	 Telecommunications Network Operation Center (NOC) & Fiber Optic (FO) network
 Waste Industrial Estate Wastewater Treatment Plant	 Supporting Facilities Multi-purpose terminal

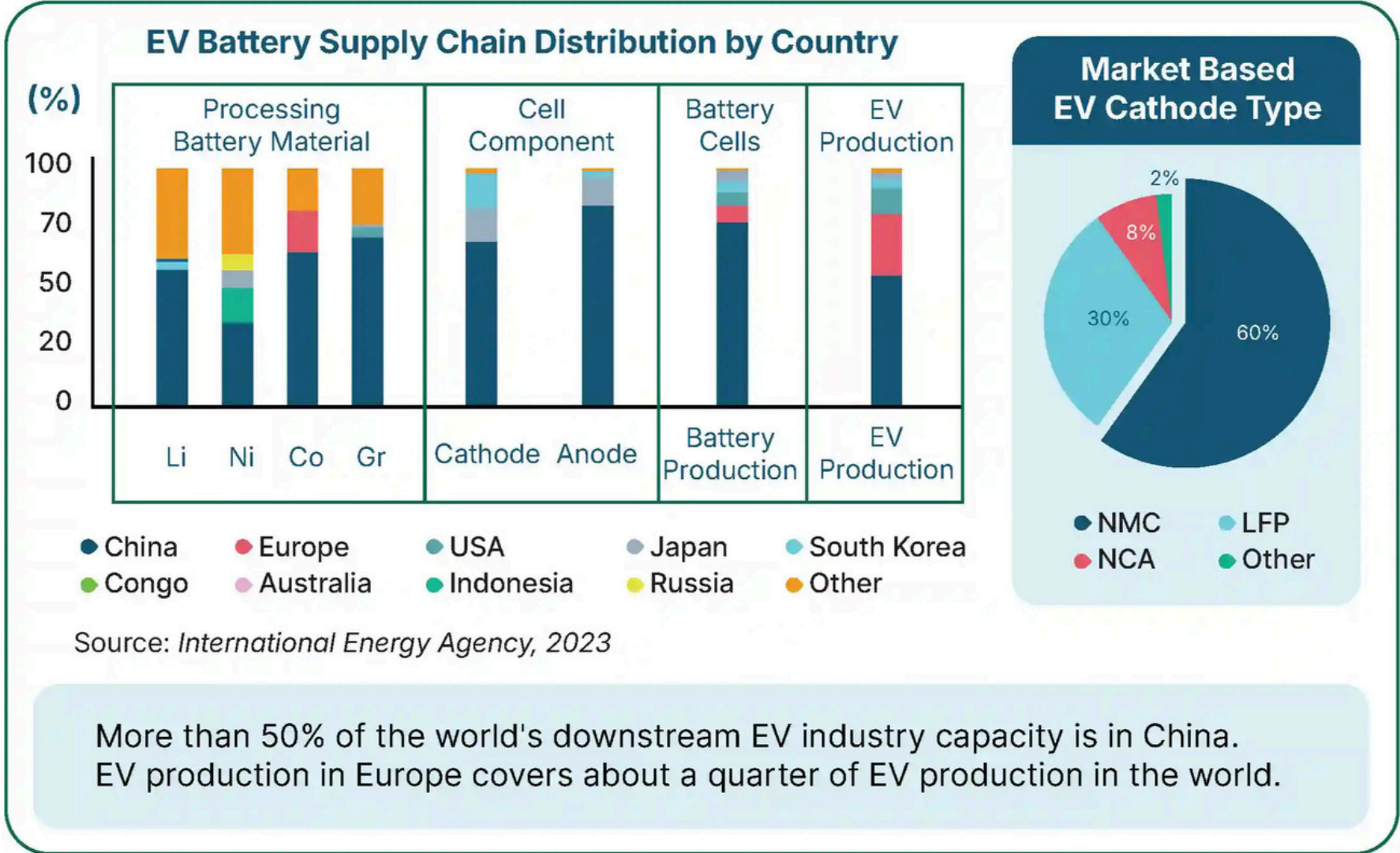
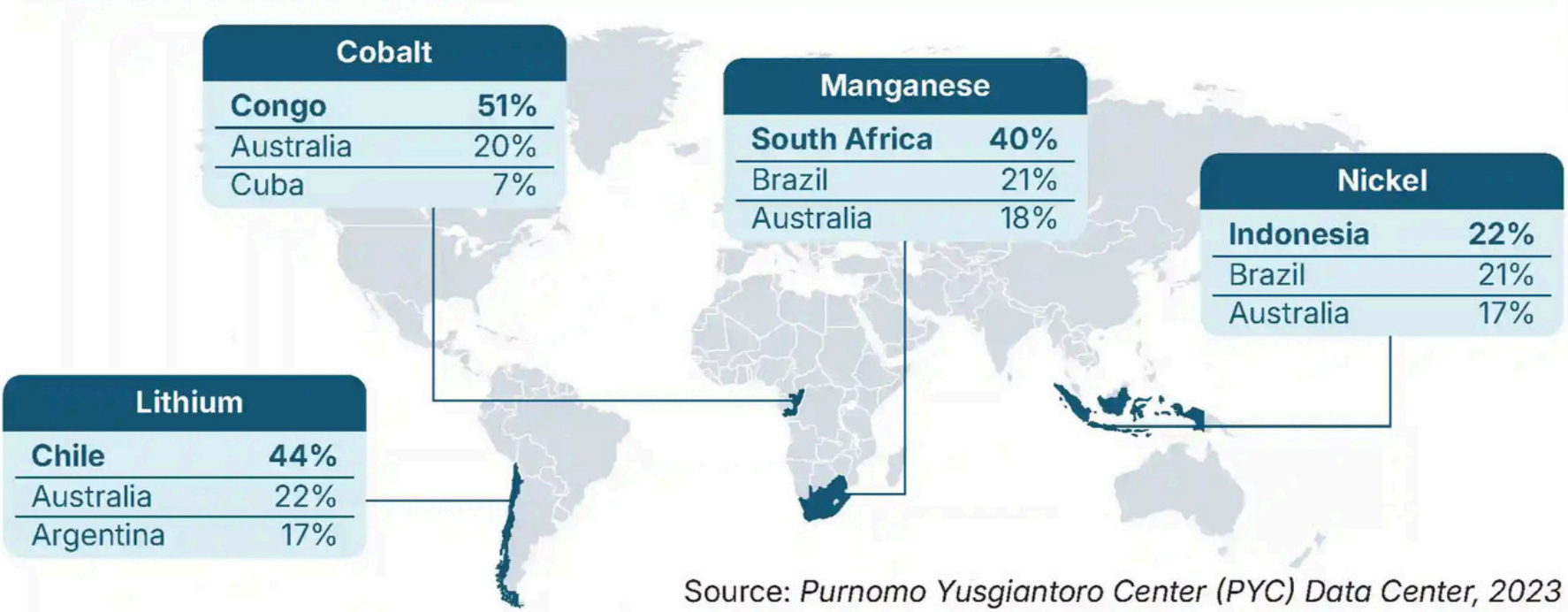
Accessibility

A KIT Bantang Tollgate  1 km  2 minutes	B Weleri Station (Jakarta-Surabaya)  19 km  23 minutes
	C Kendal City Center/Settlement  38 km  49 minutes
	D Ahmad Yani Airport  57 km  60 minutes
	E Semarang Container Terminal  68 km  93 minutes

Market Opportunity

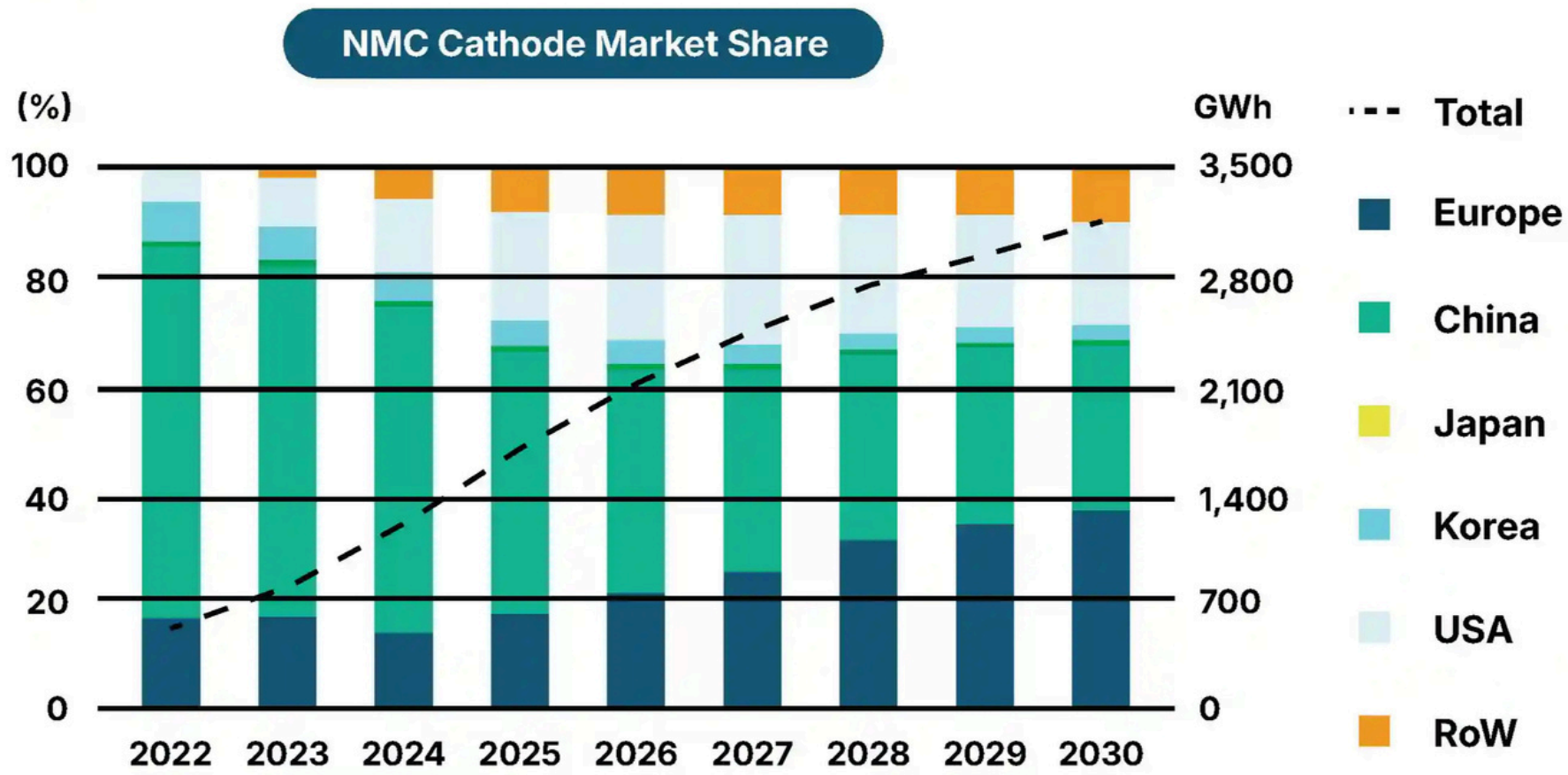
Supply & Demand

In the upstream industry, battery raw materials are spread across various countries including Indonesia and are able to supply the main materials for the cathode industry.



Market Share

The NMC811 cathode industry is essential for the growing electric vehicle battery cell industry in Indonesia, with potential for export as well.



Source: Fraunhofer ISI, 2023

Manpower Requirement



Manpower

700 people



Minimum Wage

IDR 2,379,702

Region Minimum Wage 2024

Financial Feasibility

CAPEX

Capital Expenditure

IDR 3.48 T

NWC

Net Working Capital

IDR 4.55 T

Including 4 months OPEX

WACC

Weight Average Cost of Capital

10.72%

IRR

Internal Rate Of Return

14.00%

NPV

Net Present Value

IDR 3.50 T

PP

Payback Period

13 Years

Financial Structure

60% Loan
40% Equity



Revenue

1st Year Revenue

IDR 10.14 T

Site Plan



Legend

1

Office & Commercial Building
(Installed with Solar PV)

2

Loading Dock Area

3

Parking Area

4

Electrical Sub-station

5

Main Plant I & II

6

Weighbridge

7

General Supporting Facilities

8

Warehouse





Government Support



Technical Policies

- **Energy Conservation** (*Government Regulation No. 33 of 2023*)
- **Acceleration of Battery Electric Vehicle Program for Land Transportation** (*Presidential Regulation No. 79 of 2023 on Amendment to Presidential Regulation No. 55 of 2019*)
- **Specifications, Development Roadmap, and Stipulations on Calculation of Domestic Component Level Value for Battery Electric Vehicles** (*Minister of Industry Regulation No. 28 of 2023 on Amendment to Ministry of Industry Regulation No. 6 of 2022*)



Incentives

Fiscal

- **Corporate Income Tax Reduction Facility** (*Minister of Finance Regulation No. 69 of 2024 on Amendment to Minister of Finance Regulation No. 130/PMK.010/2020*)
- **Exemption of Import Duty on Import of Machinery and Goods and Materials for Industrial Construction or Development** (*Minister of Finance Regulation No. 188/PMK.010/2015 on the Second Amendment to Minister of Finance Regulation No. 176/PMK.011/2009*)
- **Gross Income Deduction for Certain Research and Development in Indonesia** (*Government Regulation No. 45 of 2019 on Amendment to Government Regulation No. 94 of 2010; Minister of Finance Regulation No. 81 of 2024*)



Business Licensing Process in the OSS - RBA System

The Business Licensing guidelines are available for download at:



<https://oss.go.id/en/panduan>



Information & Contact

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Indonesia Investment Coordinating Board**



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SMELTER SECTOR
NORTH KOLAKA
SOUTHEAST SULAWESI PROVINCE

**SMELTER NICKEL COBALT - SULFAT
INDUSTRY FOR BATTERIES**

INVESTMENT OPPORTUNITY MAP
OF STRATEGIC PRIORITY PROJECT
SMELTER SECTOR

NORTH KOLAKA PROJECT PROFILE

LOCATION



ACCESSIBILITY

- To Port/Jetty : +- 2 km from the nearest mine
- To Capital City of North Kolaka: +- 130km
- To Sangia Nibandera Airport: +- 108 km from Capital City of North Kolaka

Potential of Mining Area (ha) in North Kolaka

NICKEL	84,112
GOLD	23,000
COAL	1,945
IRON	2,500
MANGANESE	200
MARBLE	100
LIMESTONE	500
CHROMITE	2,083

PROJECT LOCATION

Center of Mining Industri Area (PKIP) Laiwoi,
Tolala district, Kolaka Regency,
Southeast Sulawesi Province.
Land Area: 250 Ha
Land Status: APL
Flat Topography
Close to the source of raw material Nickel Ore Mine

CAPACITY 144,000 TON

Mixed Sulphate Precipitate (MSP) per year
with 20 years of operation period

FEED STOCK

4,43 Million Limonite Nickel Ore per year
Nickel Content 0.9 – 1.5 %
Cobalt Content 0.04 – 0.1 %
Potential Nickel Ore Reserves of North Kolaka District
159 Million Tons

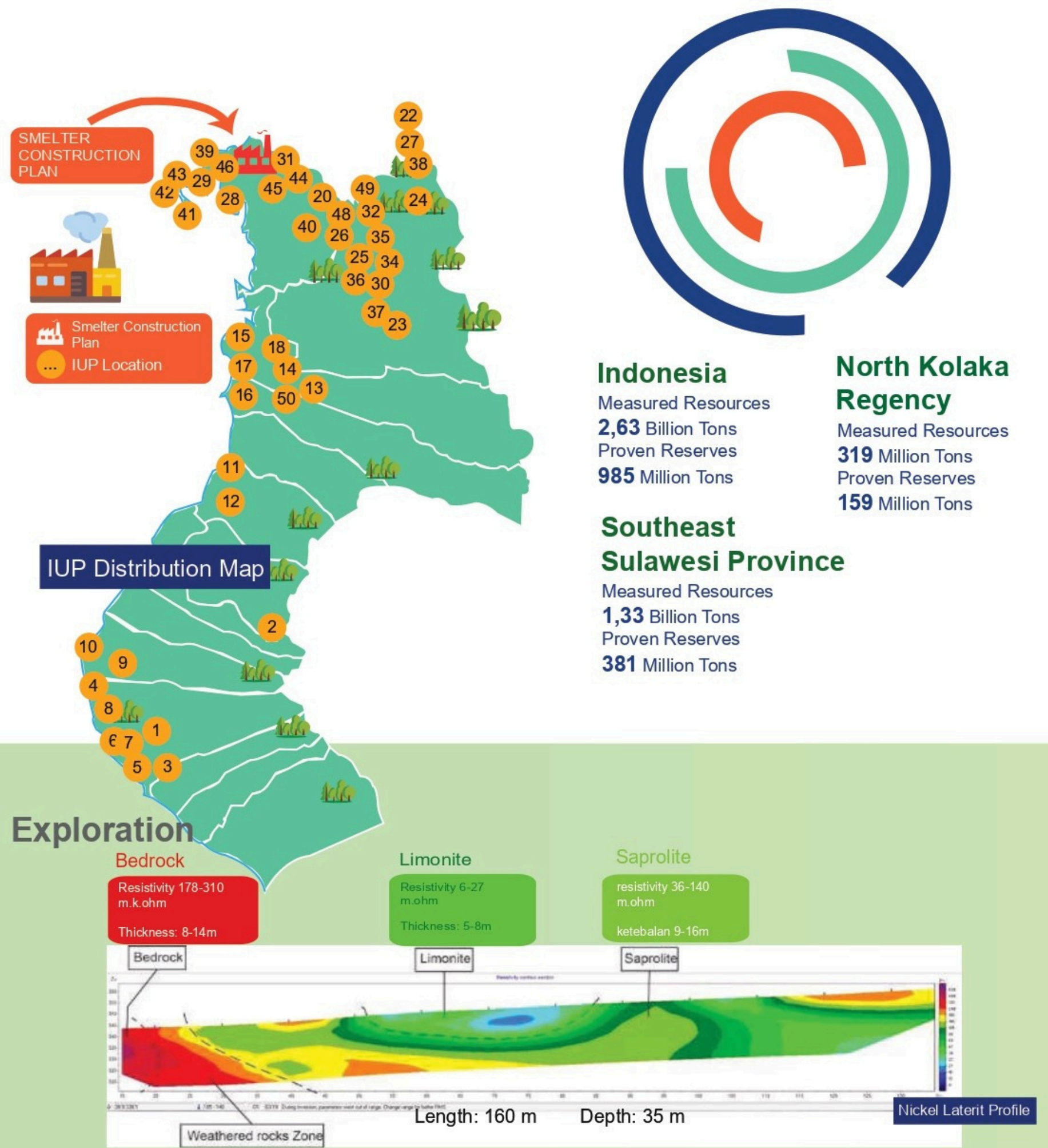
INVESTMENT USD 530.08 MILLION

CAPEX : USD 452 Million
NPV : USD 569 Million
IRR : 12,54%
PBP: 7 Years

PORT : 71 HA

Special Terminal 7.3 Ha
Draught 8M

NICKEL ORE RESOURCES AND RESERVES



	Ore type				
Location	Al ₂ O ₃	SiO ₂	CO	Fe (calc)	Ni
Block Tolala (Assay Data)	5.29	33.94	0.04	21.12	0.99
Block Lasusua (Assay Data)	4.23	39.43	0.0.3	13.31	1.82
Pomalaa Area	1.4	33.05	0.04	17.45	1.78
North Kolaka Area	0	39	0.02	10.7	0.88

MARKET ASPECTS

ADDED VALUE OF NICKEL PROCESSED PRODUCT



Limonite Ore	= US\$ 17/ MT
Saprolite Ore	= US\$ 32/MT
Nickel Sulphate	= US\$ 4.960/ MT
Cobalt Sulphate	= US\$ 14.330/MT
Nickel Matte	= US\$ 15.000/ MT
NCAO	= US\$ 40.000/MT
Lithium Battery	= US\$ 240/KWh

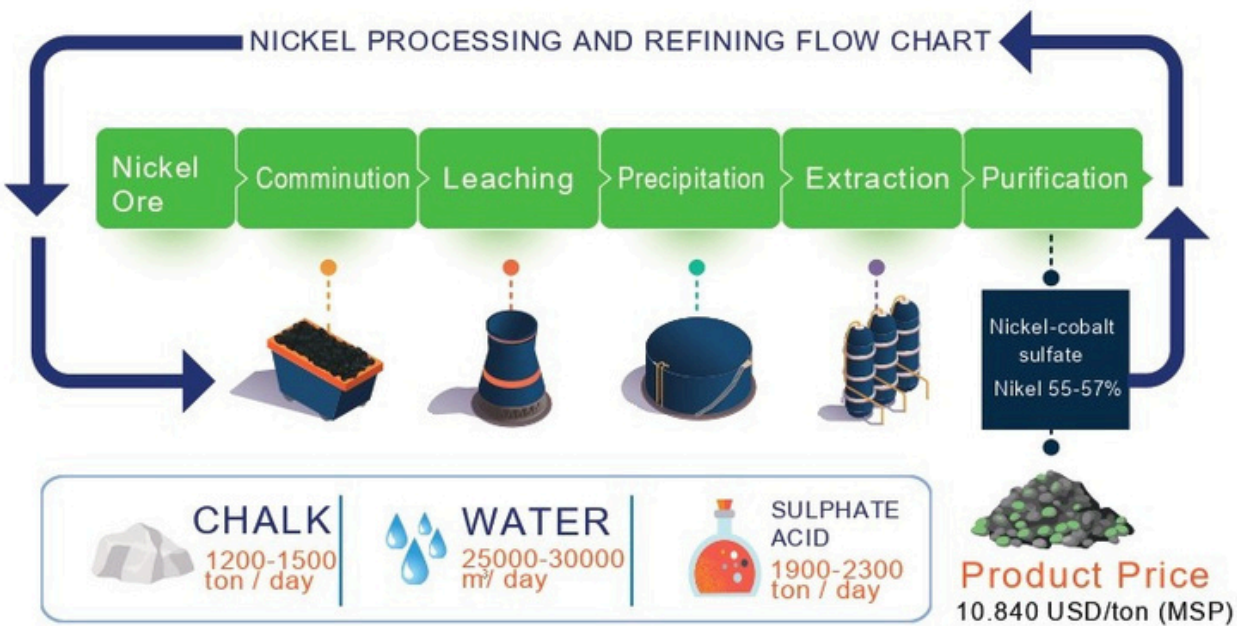
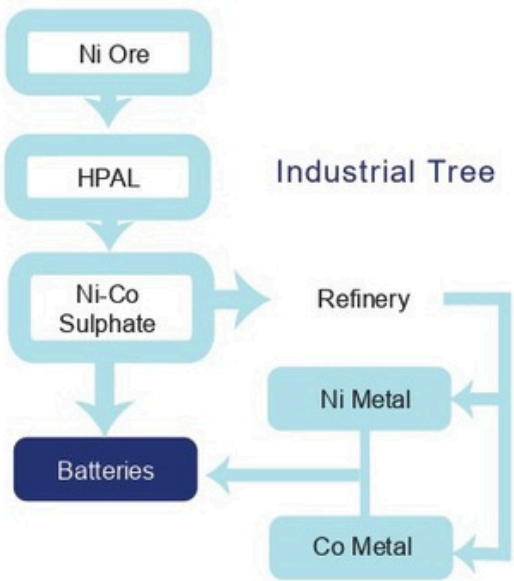


Compared to last year,
nickel price has increased up to 30%

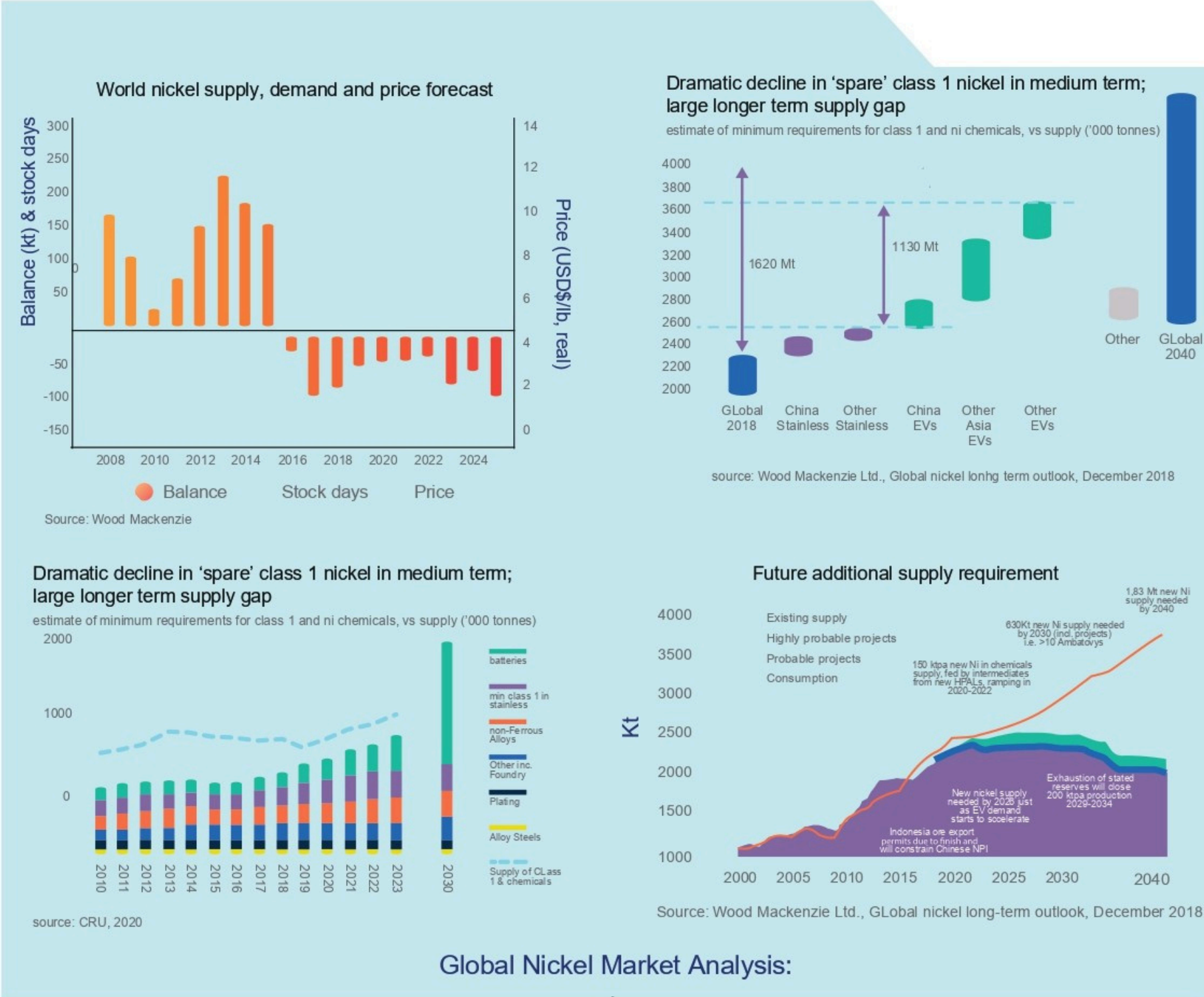
DOMESTIC PRICE VS GLOBAL PRICE

January	Decree of the Minister of Energy & Mineral Resources	International
2019	10,890,68/dmt	USD 10.791/dmt
2020	13,875,68/dmt	USD 12.740/dmt

HPAL Process



THE POTENTIAL MARKET OF BATTERY INDUSTRY



Global Nickel Market Analysis:

- 1

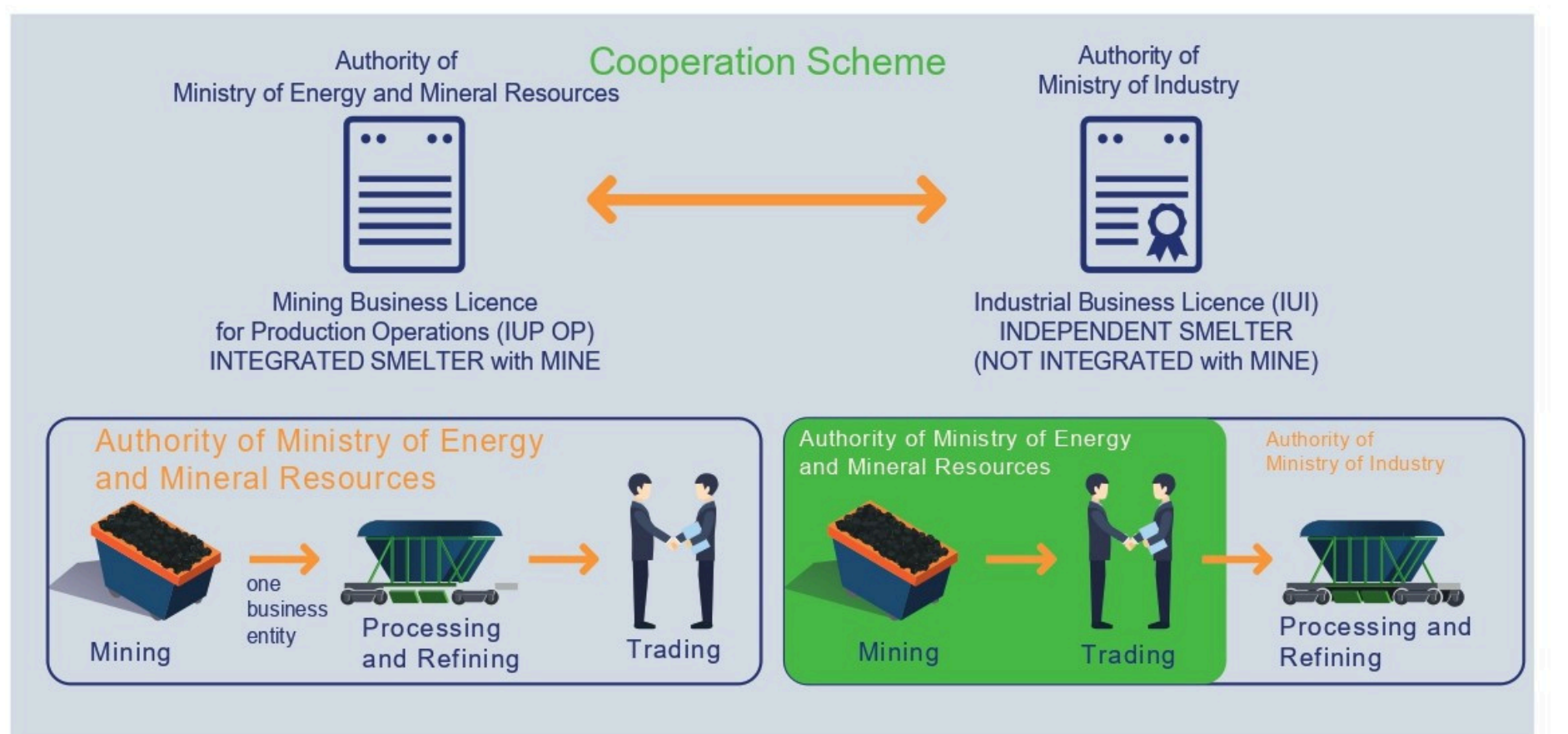
Nickel production until 2023 is still dominated by the fulfillment of the stainless steel industry
- 2

Increasing production and use of electric vehicles (EV) until 2040 resulting in a supply gap of Nickel Sulfate 1,13 – 1,83 Million Ton

CONTRIBUTION OF NICKEL REFINERY PROJECT



GOVERNMENT SUPPORT



FISCAL SUPPORT

Nickel refineries are included in the precious base metal industry and non-ferrous base metal (KBLI 2420) which according to government regulations are entitled to incentives

NON FISCAL SUPPORT

Online Single Submission (OSS)

TAX ALLOWANCE

(Government Regulation No. 18/2015)

30 % of Investment Value

A reduction in net income of 30% of the total investment is granted for 6 years.
A tax deduction is granted referring to its high investment value, numbers of export, local content, or labor absorption. Besides, tax deduction can also be given depend on its location (especially outside Jakarta)

IMPORT DUTY FACILITIES

(Minister of Finance Regulation No. 176/PMK. 011/2009 juncto. No. 188/PMK.010/2015)

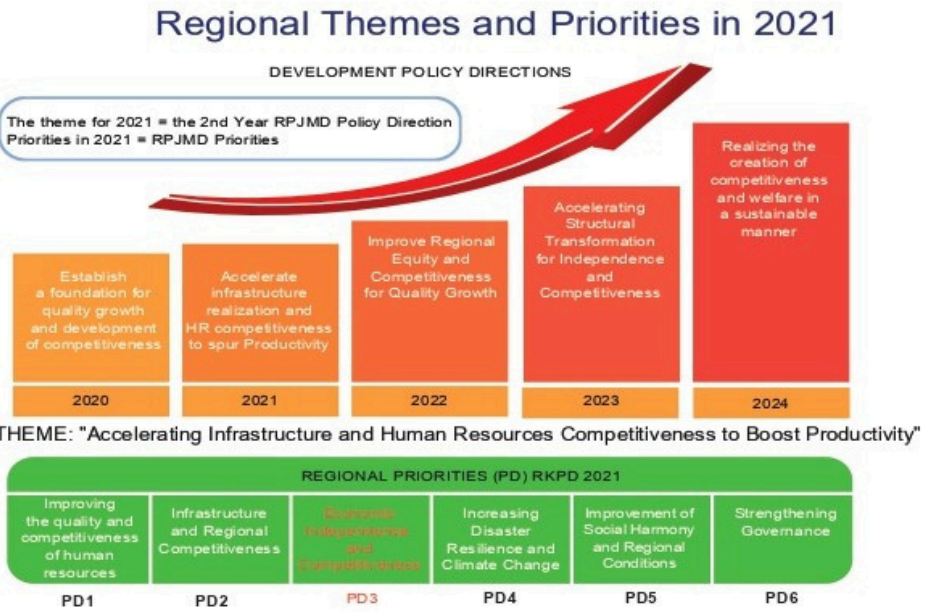
Import Duty on Imports of Machinery, Goods and Materials

Two years of exemption from import duty or four years for companies using domestically produced machinery/equipment (min. 30%)

- If the smelter is integrated with mining, a Mining Business Licence for Production Operations (IUP OP) is required, specifically for Processing and/or Purification with the technical supervision from the Ministry of Energy and Mineral Resources
- If the smelter is independent, it requires an Industrial Business License (IUI) with the technical supervision from the Ministry of Industry

Central Government Support

Local Government Support



HIGH-PURITY ALUMINUM INGOT INDUSTRY AS ELECTRONIC COMPONENT RAW MATERIAL

West Kalimantan Province

"With the largest bauxite reserves in Indonesia, West Kalimantan has the potential to become a global value chain for electronics industry."



for more information
Scan QR Here



PROJECT PROFILE

Indonesia is Ready to Become Part of the Global Value Chain Industry for Electronic Raw Materials



① West Kalimantan Smelter grade alumina (SGA) potential reserves of 0.9 billion tons.

② In 2045, Non-Tax Revenue (PNBP) potential and taxes are estimated to reach US\$3.28 billion.

③ Increasing the selling value of Bauxite/Aluminum derivative products (Bauxite -> SGA 3,8x, SGA -> Ingot 3,9x)

Processing Bauxite into Aluminum Ingots adds 1.5 x times the Value Added.

Project Location

Ketapang Industrial Estate, located in Pagar Mentimun Village, South Matan Hilir District, Ketapang Regency, West Kalimantan

Land Area



Land Status

The Right of Building (HGB) through land. rent

Land Price

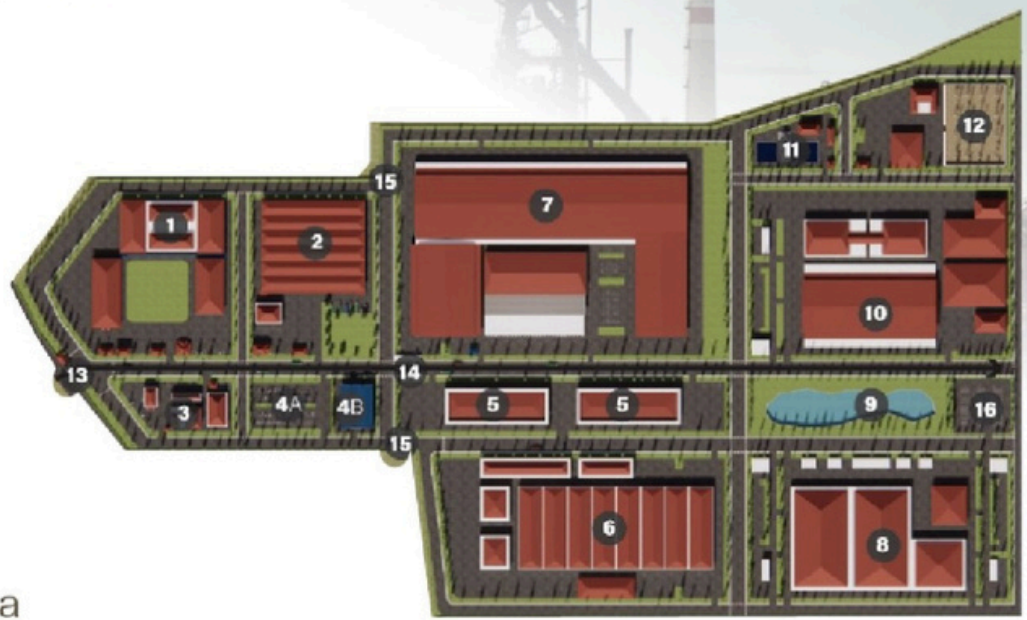
Estimated rental price of IDR 730,000/m²



**WEST
KALIMANTAN**

DEVELOPMENT PROSPECT

- 1 Management Office 1
- 2 Stockpile of Aluminum Products
- 3 Public Facilities
- 4 Outdoor Parking
- 5 Indoor Parking
- 6 Management Office 2
- 7 Aluminum Printing Area
- 8 Smelting Area
- 9 Raw Materials Stockpile
- 10 Green Open Space Area
- 11 Anode Processing Area
- 12 WWTP area
- 13 Substation Area
- 14 Region Gate
- 15 Main Gate To Factory Area
- 16 Secondary Gate to Factory Area
- 17 Operational Vehicle Parking



Infrastructure

Raw Water



Tengar River
Capacity:
 100 m³/second
Requirement:
 0.215-0.36 m³/second
 distance:
 9-11 km

Electricity



Powerplant Ketapang
 Industrial Estate
 3x30 MW
**Energy of State
 Electricity Company
 (PLN) 1000 MW
 requirement:**
 190 MW

Telecommunication



Wireless and
 fiber optic
 telecommuni-
 cation net-
 works are
 available by
 Telkom's Base
 Transceiver
 Station (BTS).

Other



Health
 3 Hospitals



Education
 1 Polytechnic

Labor Force

- The labor force during the operational period is ± 200 people.
- Minimum Wage of IDR 2,8761,252

Accessibility



Financial Feasibility

This project has an Investment Value of **IDR 4.48 trillion***

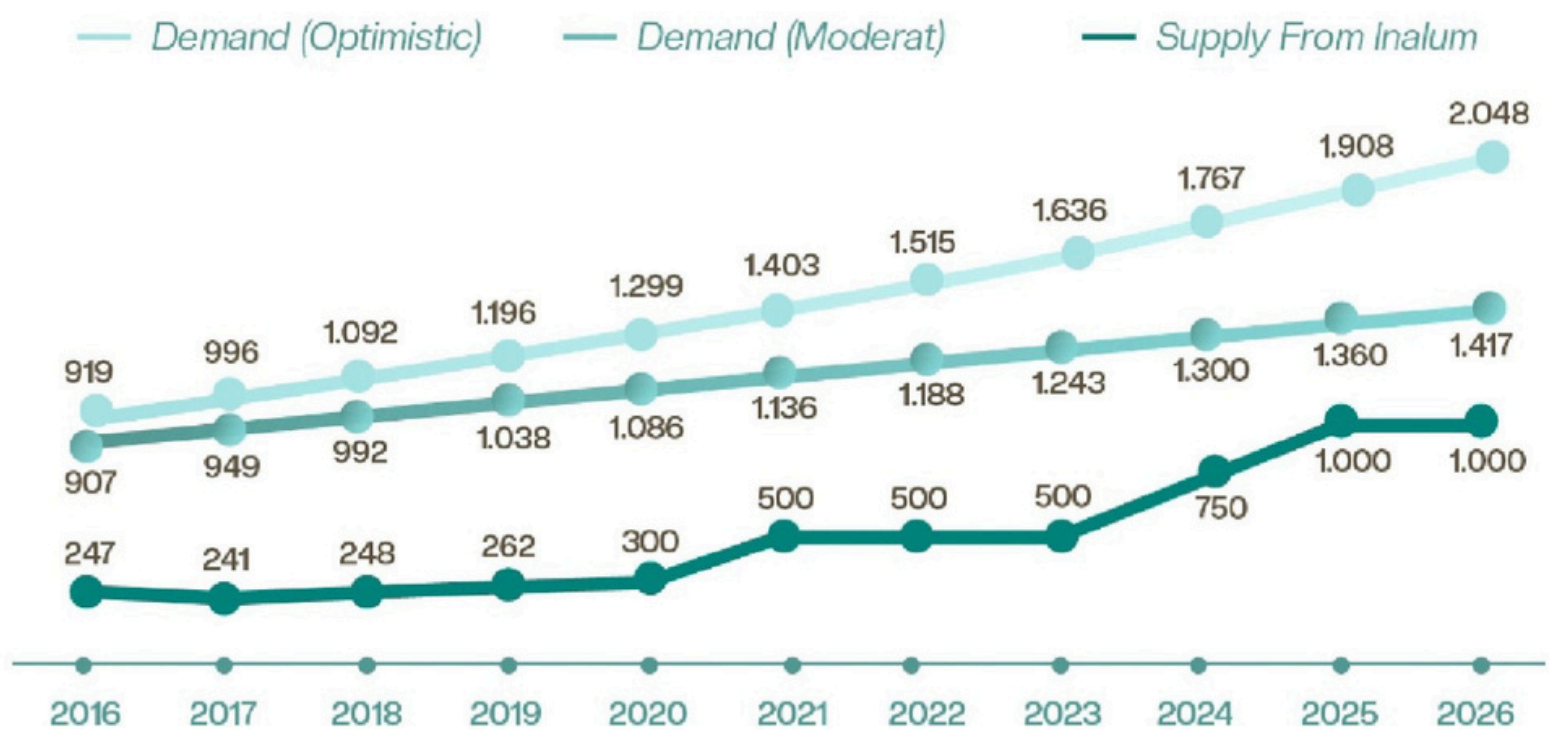
*Investment value is calculated based on CAPEX + NWC value



MARKET CONDITION

In 2025, domestic demand is estimated to reach 1.9 million tons, of which domestic production capacity can only meet 73.5% of the domestic market demand.

Aluminum Supply-Demand Projection in Indonesia 2016 - 2026 (Thousand Tonnes)



source: Inalum Annual Report, 2020



Production Targets

Products:

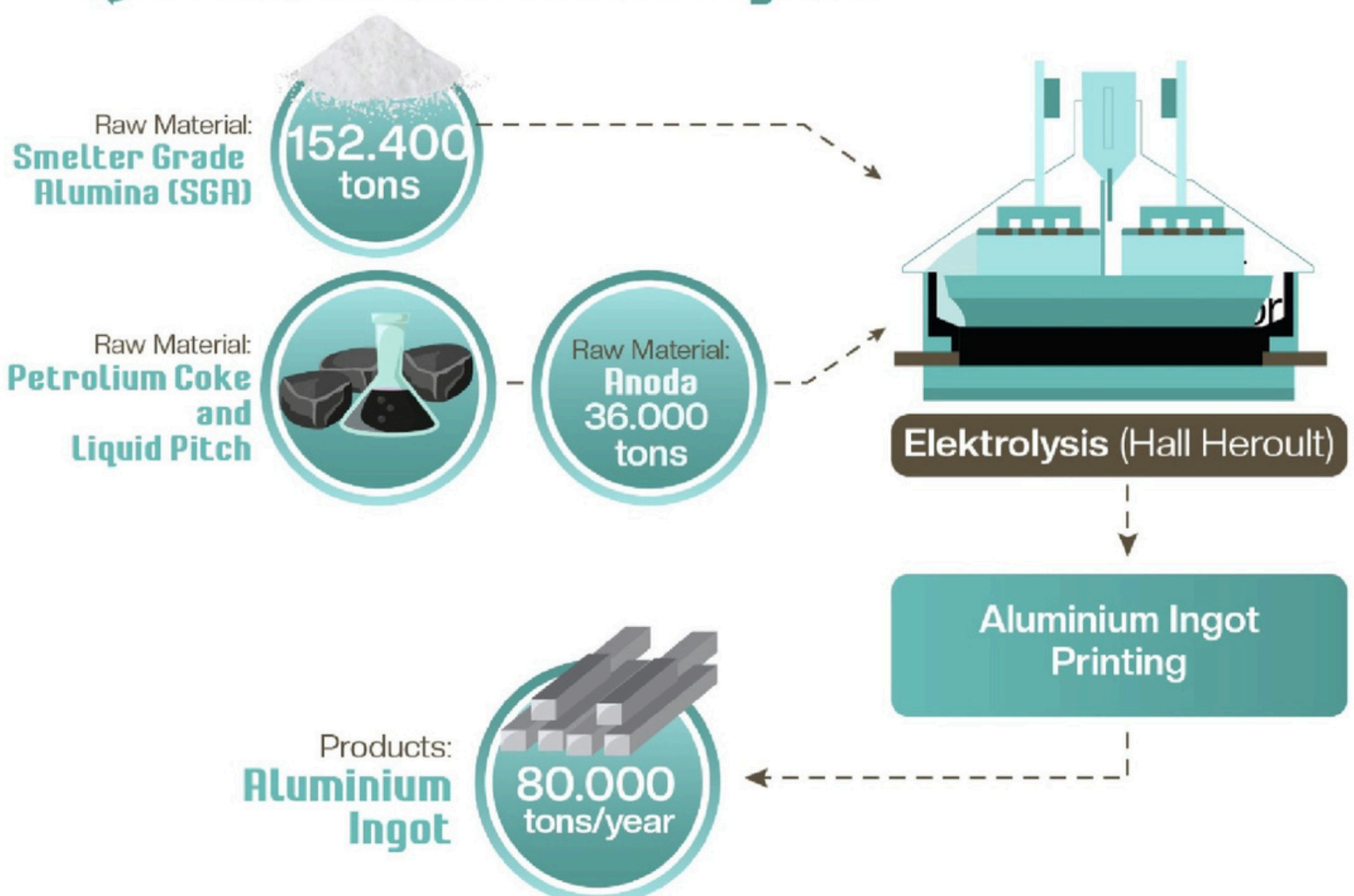
**Aluminium
Ingot**



TECHNICAL ASPECT



Production Process Program



POLICIES & INCENTIVES

Policy

- Law (UU) Number 3 of 2020, concerning Amendments to Law Number 4 of 2009 concerning Mineral and Coal Mining, mandates an increase in natural resources. Therefore, economic development can be evenly distributed throughout Indonesia.
- The Aluminium Ingot processing industry, with raw material Alumina in the form of SGA, can provide an added value of about 15x greater than the production of Alumina in the form SGA from Bauxite.

KBLI (*Business Classification Registry*)

KBLI 24202 Manufacture of Non-Iron Basic Metals

Fiscal Incentives

Tax Holiday

Corporate Income Tax reduction of 100%, with an investment value of IDR 1 trillion to less than IDR 5 trillion, for seven years, as well as an additional 50% reduction in Corporate Income Tax for 2 years.

(Government Regulation 78/2019, Minister of Finance regulation No. 96/PMK.010/2020, BKPM Regulation No.5/2020, and Minister of Investment No.1 of 2022)

Import Duty Facilities

Exemption from import duty on the import of machinery and goods and materials for construction or industrial development in the investment framework

(Minister of Finance Regulation No. 188/PMK.010/2015 jo. No. 176/PMK.0/2009 and Minister of Investment Regulation No.1 of 2022)

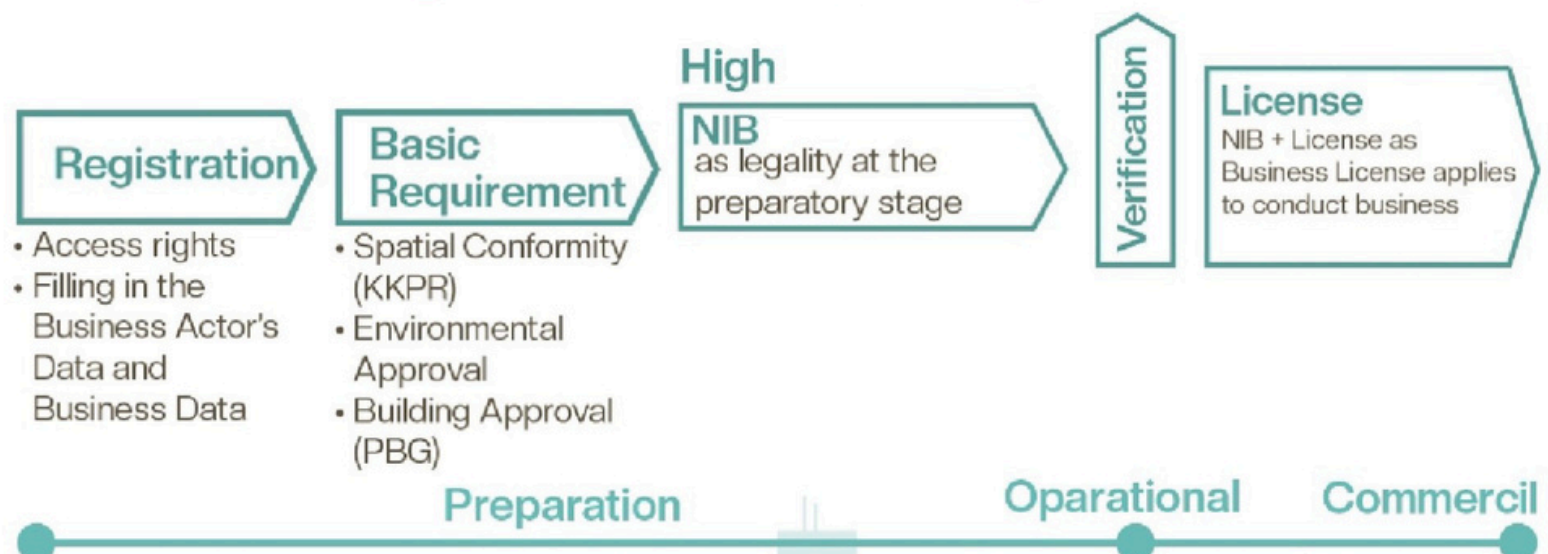
Non-Fiscal Incentives

Industrial Estate

- Provision of data and information on investment opportunities;
- Acceleration of granting one-stop integrated licensing; and
- Providing safety and comfort

(Regent Regulation of Katapang number 84 of 2022)

Business Licensing Process on the OSS RBA System



Fulfillment verification of all requirements for issuance of business license + environmental approval

Licensing Management Guide can be downloaded at: <http://oss.go.id/panduan>



Sustainable development is an effort to achieve national development agendas that require all parties' participation and collaboration.

SDG's Achievement Projection Target



- | | |
|----------------|--|
| Goal 1 | Labor force of 200 people. |
| Goal 6 | Implementing an integrated waste management system) WWTP Area Allocation (4.600 m2)) and measurable and monitored groundwater use will help ensure efficient water resources use, availability maintenance, and groundwater quality for the need of the surrounding community. |
| Goal 8 | The investment value of IDR 4.48 trillion in the manufacturing sector and the electronic component raw material industry. |
| Goal 9 | The boost the development of public service facilities (roads, electricity, telecommunications, educational centers, healthy facilities) by the government. |
| Goal 10 | To grow Micro, Small, and Medium Enterprises (MSMEs) in the industrial estates. |

Contact Information

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Directorate of Manufacturing Industry Planning

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www.investindonesia.go.id

Ketapang Area Management Industry

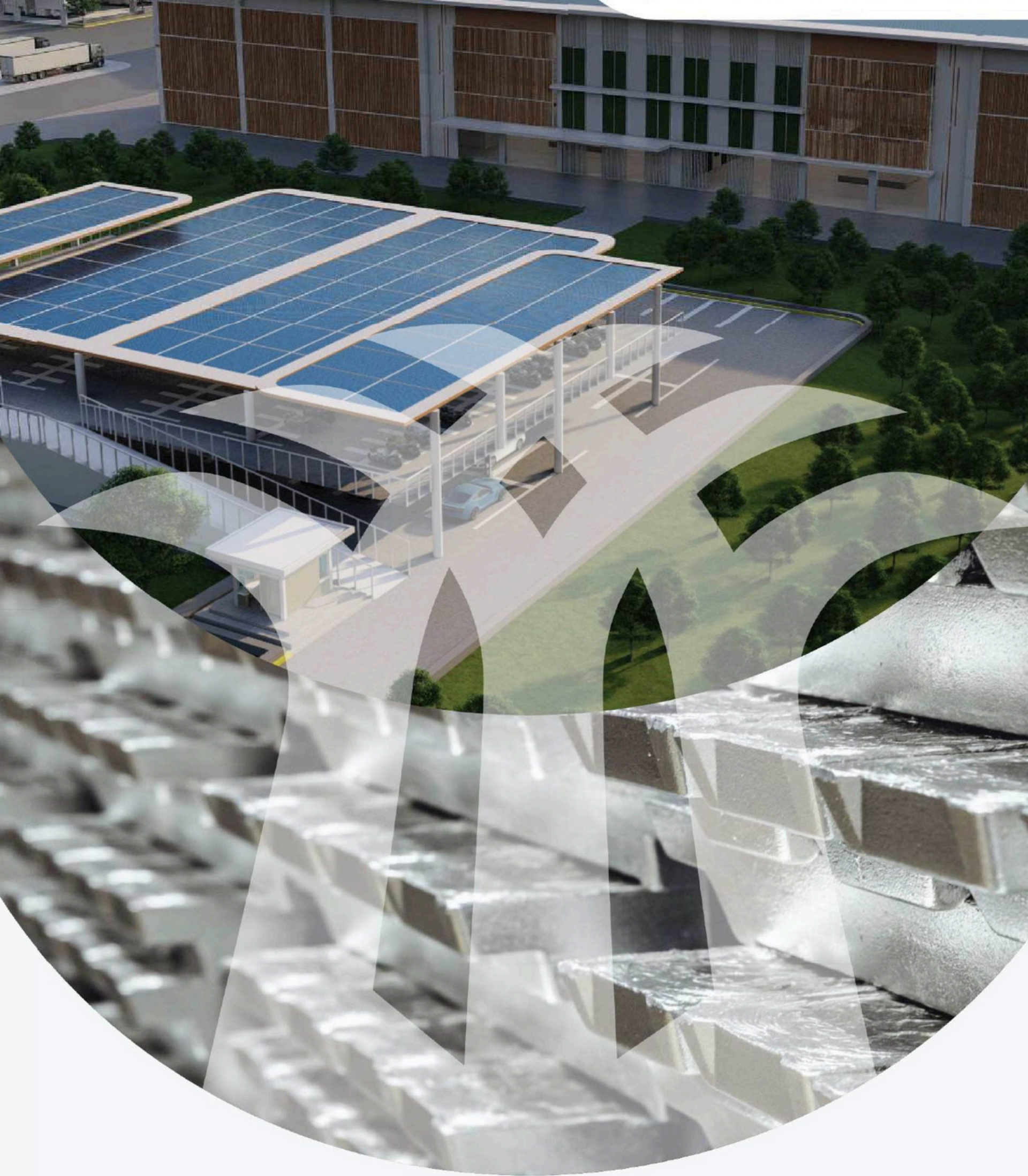
Phone: (021) 29670599

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Tanjung Duren, Jakarta 11470

<http://www.jinjiang-group.com>



TIN DOWNSTREAM INDUSTRY

EAST JAVA PROVINCE

Strategic Investment Project Opportunities to Support the Development of the New Capital City Nusantara

FOR MORE INFORMATION
SCAN QR HERE





Project Profile



More than 50% of tin derivative product needs are derived from the import market with a value of up to **150 million US Dollars**.



Substitution of imported tin downstream products is necessary to support government programs in the development of green technologies such as electric vehicles, solar panels and data digitalization.



Indonesia's position as the second largest tin ingot producer in the world with a production output of **70-80 thousand tons** per year, implies that our country has the enormous potential to develop tin downstream industries such as tin solder, tin ribbon, and tin chemical.



Business Field(s)



24202

Non ferrous Base Metal
Manufacturing Industry

20114

Other Inorganic Basic
Chemical Industry



Investment Value

IDR 4.17 T

= CAPEX + NWC (90 Days OPEX)



Raw Materials and Production Capacity

Raw Material



Tin Ingot
19,000 Tons/Year



Production Capacity



Tin Chemical
30,000 Tons/Year



Tin Ribbon
10,000 Tons/Year



Tin Solder
10,000 Tons/Year



Project Location



JIPE ZONE



JIPE (Java Integrated
Industrial & Port Estate)

Manage by

PT. Berkah Kawasan
Manyar Sejahtera

Land Area

20 ha

Land Title(s)

Building Rights

Land Price

IDR 2,400,000 / m²

JIPE (JAVA INTEGRATED INDUSTRIAL & PORT ESTATE)
Manyar District, Gresik Regency



Market Conditions



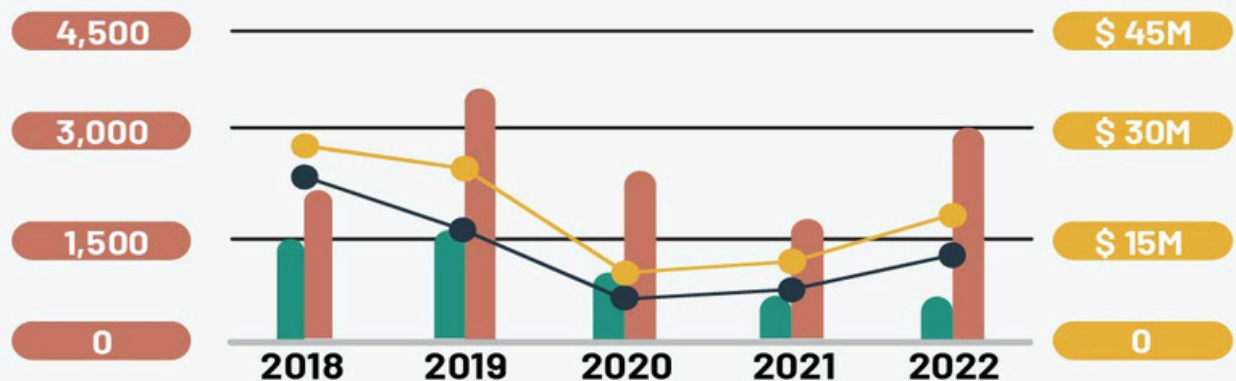
Supply & Demand



Tin Solder

In the last 5 years, the demand for tin solder in Indonesia fulfilled by imported with an import volume of **1.6-3.2 thousand tons**, with a valuation in the range of **10-18 million US Dollars**. Demand for tin solder products is expected to continue to increase by 3.8% annually, as a result of the development of 5G technology and the growth of electric vehicles.

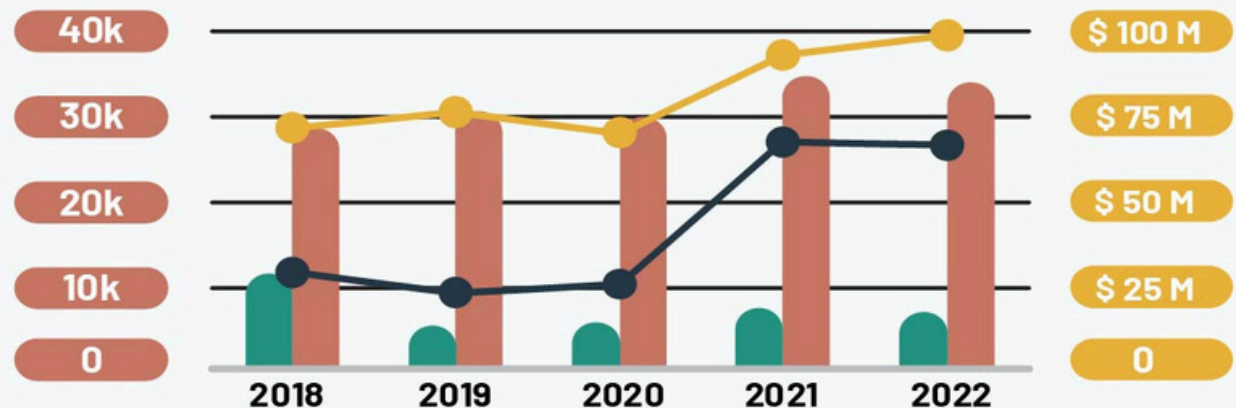
- Tons Export
- Tons Import
- \$ Export
- \$ Import



Tin Chemical

Indonesia's tin chemical necessity in the last 5 years were met through imports with a volume of **28-34 thousand tons**, with an import valuation of **70-101 million US Dollars**. The Government's focused growth in the infrastructure sector is expected to drive increased demand for tin chemical to produce PVC.

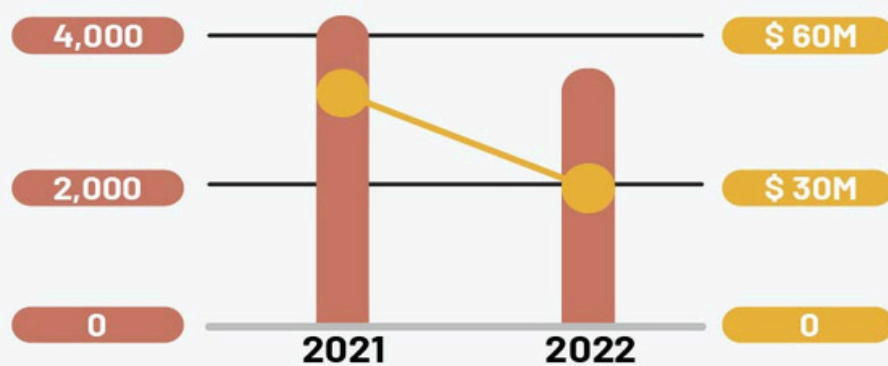
- Tons Export
- Tons Import
- \$ Export
- \$ Import



Tin Ribbon

Domestic tin ribbon needs are wholly covered by imported products. Due to the absence of the industry available in the Country. The imported volume around **1.5-3.7 thousand tons** with a valuation of **28-51 million US Dollars**.

- Ton Import
- \$ Import



*Source: BPS (2023) and Annual Report of PT Timah Tbk (2022)



Market Share



Tin Solder



Electronics



Automotive



Smartphone



Tin Chemical



PVC



Glass



Tin Ribbon



Solar Panel

SUSTAINABLE
DEVELOPMENT
GOALS

7 AFFORDABLE AND
CLEAN ENERGY



8 DECENT WORK AND
ECONOMIC GROWTH



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE





Technical Aspects



Business Scheme



Infrastructure



Electricity

Capacity : 200 MW (PLN & EBT)
(Plan) : 800 MW
Requirement : 2 MW



Water Supply

Capacity : 2,400 m³/day
Requirement : 500 m³/day



Gas

Capacity : 100 MMSCFD (PGN)
Requirement : 0.5 MMSCFD



Telecommunication

High Speed Fiber Optic
more than 10km, FO Cable
3 BTS towers.



Waste Water Treatment Plant

2,500 m³/day
(Membrane Bio Reactor)

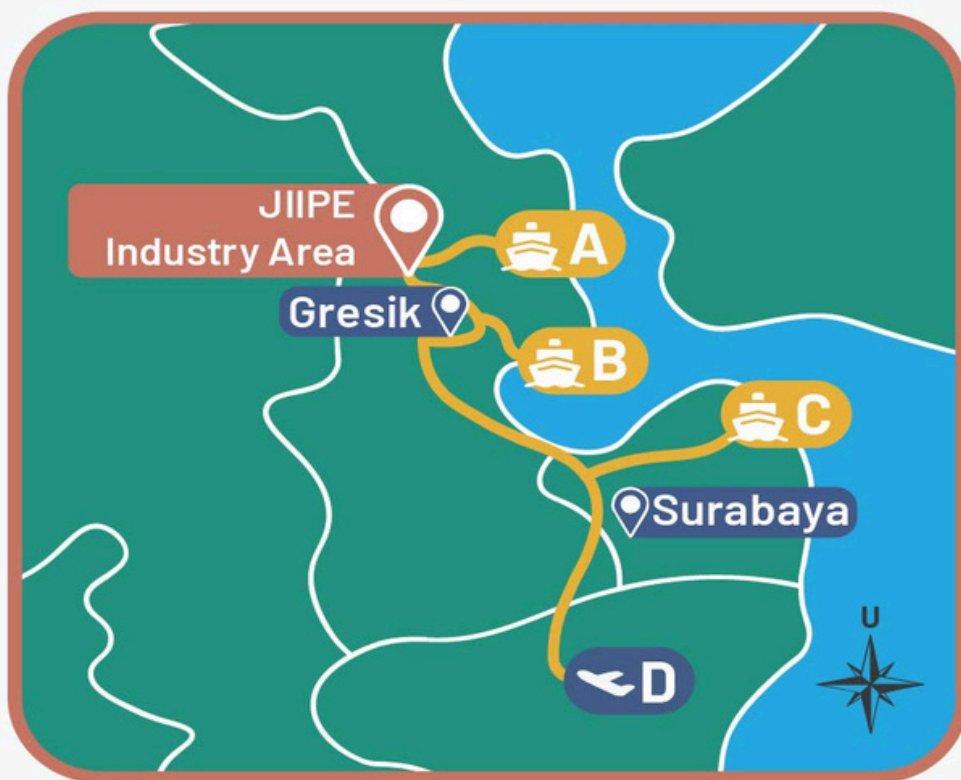


JIPE Deep Sea Port

Length : 6.2km
Depth : 16m



Accessibility



A JIPE Deep Sea Port



3.2 km



8 minutes



B Gresik Port



15 km



31 minutes



C Tanjung Perak Port



30 km



48 minutes



D Juanda International Airport



59 km



70 minutes



Manpower



Requirement

150 workers

Minimum Wage

IDR 4,522,030

*Gresik Minimum Wage (2023)



Financial Feasibility

CAPEX

Capital Expenditure

IDR 1.51 T

NWC

Net Working Capital
(OPEX 3 Months)

IDR 2.65 T

WACC

Weight Average
Cost of Capital

12.21%

IRR

Internal Rate of Return

17.16%

NPV

Net Present Value

IDR 2.1 T

PAYBACK PERIOD

**8 Years
1 Month**

FUNDING STRUCTURE

**70% Debt
30% Equity**



Revenue Structure

4th year revenue of IDR 8.08 Trillion consists of:



Tin Chemical

41%



Tin Solder

34%



Tin Ribbon

25%



Development Plan



Legend :

- | | |
|---------------------------|-------------------|
| 1 Main Office | 6 Public Facility |
| 2 Tin Ribbon Production | 7 Solar Panel |
| 3 Tin Solder Production | 8 Control Panel |
| 4 Tin Chemical Production | 9 Garden |
| 5 Warehouse | |

Main Office



Tin Chemical Production



Tin Ribbon Production



Tin Solder Production





Government Support



Technical Policies

- **Government Regulation Number 14 of 2015**
on the revised draft of the National Industrial Development Master Plan (RIPIN) 2015-2035 stipulates that the tin downstream industry is classified as one of priority industries in Indonesia.
- **Decree of the Minister of Energy and Mineral Resources Number 296 of 2023**
Determination of Commodity Types Included in the Classification of Critical Minerals.
- Increasing the absorption of domestic tin products and import substitution is included in the Tin Commodity **Roadmap Draft in the Grand Strategy of Mineral and Coal, Ministry of Energy and Mineral Resources**.
- The development of Tin Downstream Sector, such as Tin Chemical and Tin Solder, is in line with the 2023 **Roadmap for Strategic Industry Downstreaming** prepared by **the Ministry of Investment / BKPM**.



Insentive

Fiscal

- **Government Regulation Number 40 of 2021**
The Implementation of Special Economic Zones
- **Minister of Finance Regulation Number 33 of 2021 jo Number 237 of 2020**
Treatment of taxation, customs, and excise in Special Economic Zones
- **Investment Coordinating Board Regulation Number 2 of 2021**
Procedures for Determining the Fulfillment of Criteria and Submitting Applications for Off-Network Income Tax Facilities in Special Economic Zones
- **Gresik Regency Regional Regulation Number 8 of 2020**
Provision of Incentives and Ease of Investment in the form of BPHTB Deduction up to 50%.

Non-Fiscal

- One Stop Service by SEZ Administrator
- Ease of immigration for foreign workers
- Simplification of Environmental Licensing
- Foreign Investment can have up to 100% share ownership.



Business Licensing Process in the OSS - RBA System

Registration

- Access rights
- Register in Business Actor Data and Business Data

Basic Requirement

- Spatial Conformity (KKPR)
- Environmental Approval
- Building Approval and Functional Certificate (if required)

Business License

- Business Identification Number (NIB)
- Standard Certificate (SS)
- Licenses based on the risk

The business licensing application guide can be downloaded at:



<http://oss.go.id/en/panduan>



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ELECTRIC MOTOR INDUSTRY FOR ELECTRIC VEHICLES

West Java Province

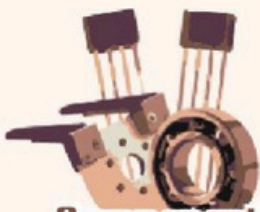
"A step to realizing the independence of the electric vehicle ecosystem through the commitment of the electric motor industry, which continues to expand."

for more information
Scan QR Here



PROJECT PROFILE

Indonesia's Electric Motor Industry Towards the Era of Electric Vehicles



Component

2-Wheel BLDC Motors IDR 1.38 million
4-Wheel BLDC Motors IDR 13.86 million



2-Wheel BLDC Motors
IDR 2.36 million



4-Wheel BLDC Motors
IDR 22.20 million

"Increased value added by 1.6 - 1.7 times"

BLDC = Brushless Direct Current

- 1 The need for electric motors as one of the main components of electric vehicles will increase, aligning with the Indonesian Government's efforts to accelerate the Battery Electric Vehicle (KBLBB) program.
- 2 The electric motor industry is one of the investment priority industries that contributes to strengthening the structure of the electric vehicle ecosystem in Indonesia, especially in West Java.
- 3 The domestic component level (TKDN) of electric vehicles of 80% in 2030 will receive full support from the electric motor industry in Indonesia.

Project Location

Greenland International Industrial Center (GIIIC) Industrial Estate,
Central Cikarang District
Bekasi Regency, West Java Province.

Land area



Land Status

Building rights.

Land Price

The estimated purchase price is IDR 2,664,000/m².

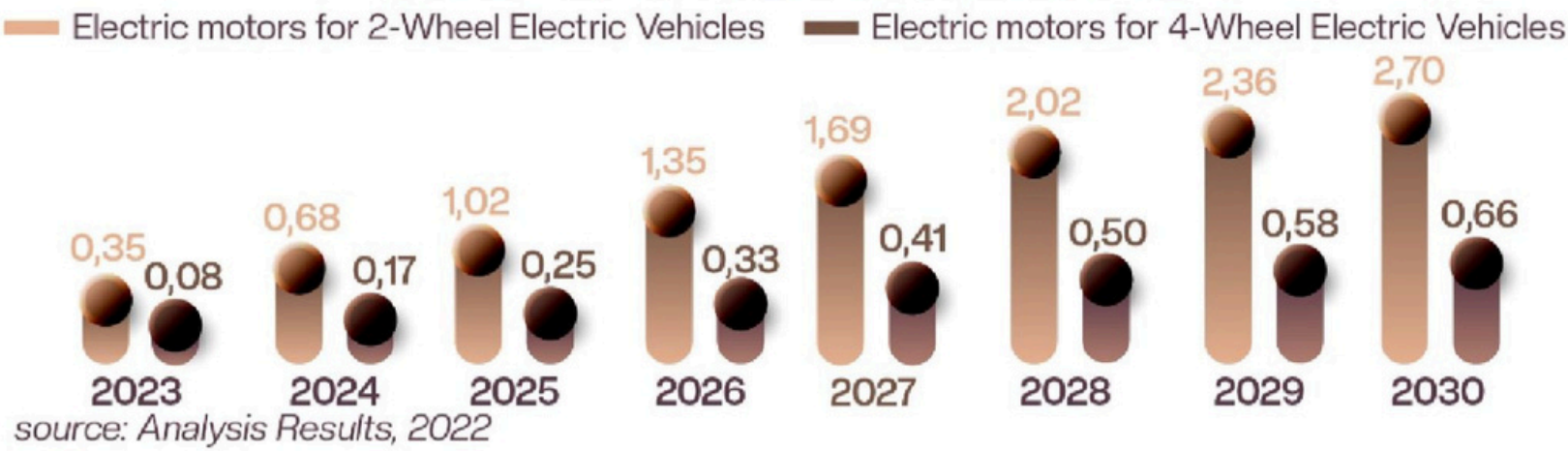


WEST JAVA
PROVINCE

MARKET CONDITIONS

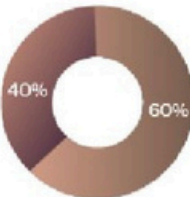
The need of electric motors for electric vehicles is projected to reach 2.7 million units for 2-wheel electric vehicles and 660 thousand units for 4-wheel electric vehicles in 2030, which aligns with the quantitative target for the development of the KBLBB industry from the Ministry of Industry.

Electric Motor Projection (million units)



Production Targets

Raw Material:
**Rotor, Stator,
Controller,
Bracket, Bearing,
and Casing**



Product 1:
**BLDC Motor
for 2-Wheel
Electric Vehicles**

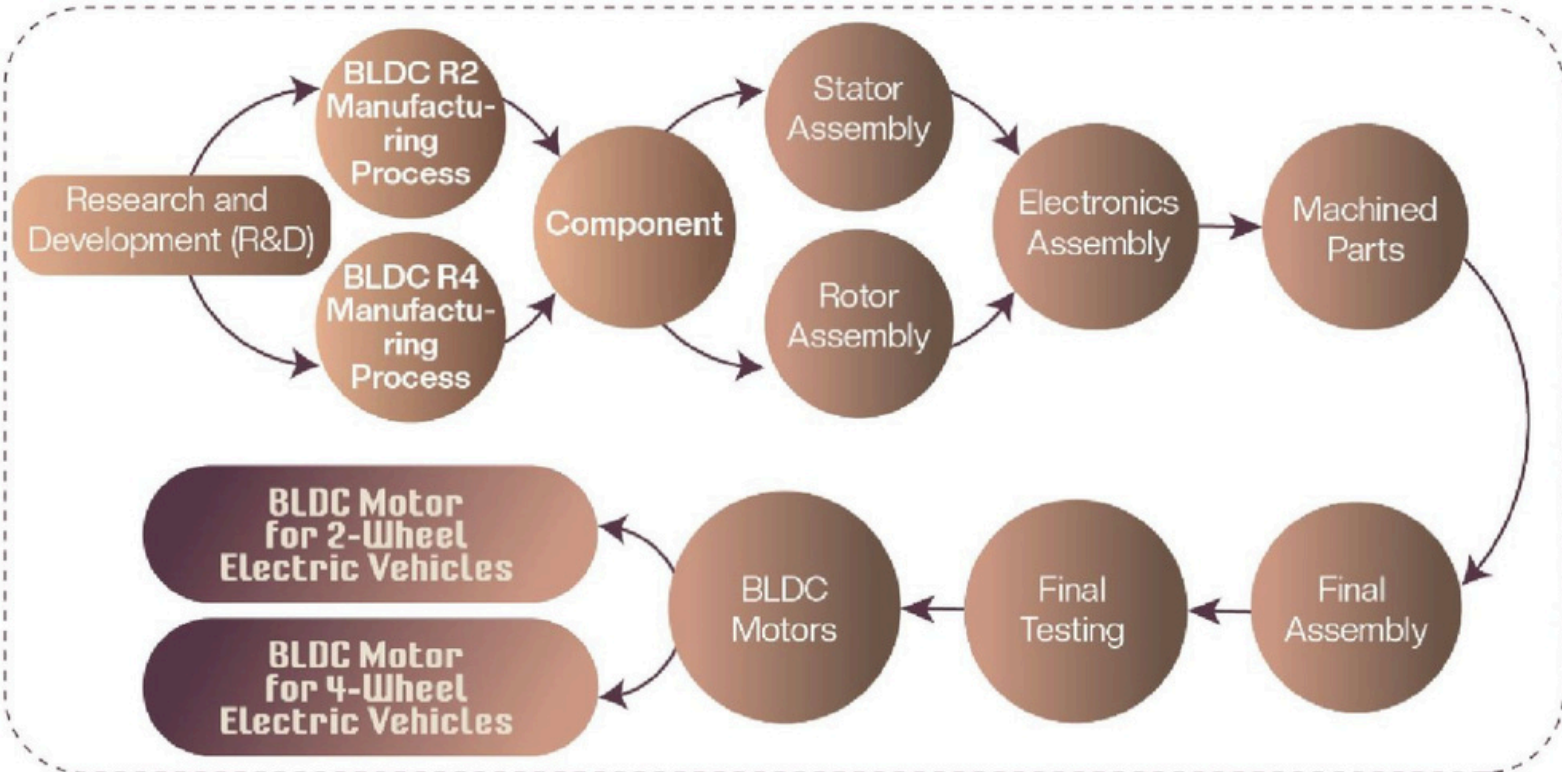
Product 2:
**BLDC Motor
for 4-Wheel
Electric Vehicles**



Stage	Activity	Estimation
Upstream	Procurement of stator, enameled wire, rotor, hall element, aluminum bracket, end plate, motor frame, hall sensor cover, wiring electricity, and consumption good for BLDC Motors for 2-Wheel Electric Vehicles.	96,000 units/year
	Procurement of stator, enameled wire, rotor, hall element, aluminum bracket, end plate, motor frame, hall sensor cover, wiring electricity, and consumption good for BLDC Motors for 4-Wheel Electric Vehicles	12,000 units/year
Downstream	Production of BLDC Motors for 2-Wheel Electric Vehicles	96,000 units/year
	Production of BLDC Motors for 4-Wheel Electric Vehicles	12,000 units/year

TECHNICAL ASPECT

BLDC Motor Production Line



POLICIES AND INCENTIVES

Policy

RIPIN 2015 - 2035, ten priority industries are grouped into a mainstay, supporting, and upstream. The transportation industry is a Mainstay Industry. To strengthen the development of the electric motor industry for electric vehicles, Presidential Regulation Number 55 of 2019 concerning the Acceleration of Battery Electric Vehicle Program has been stipulated. Minister of Energy and Mineral Resources Regulation Number 13 of 2020 concerning Electric Charging Infrastructure for Battery Electric Vehicles.

KBLI (*Business Classification Registry*)



Fiscal Insentive

Tax Holiday

Corporate Income Tax deduction of 100%, with an investment value of IDR 500 billion to less than IDR 1 trillion, for 5 years, as well as an additional 50% deduction in Corporate Income Tax for 2 years.

(Minister of Finance Regulation Number 130/PMK.010/2002, BKPM Regulation No. 7/2022, and Minister of Investment Regulation No. 1/2022)

Mini Tax Holiday

Deduction of Corporate Income Tax by 50%, with an investment value of IDR 100 billion to less than IDR 500 billion, for 5 years, as well as an additional 25% deduction of Corporate Income Tax for 2 years.

(Minister of Finance Regulation Number 130/PMK.010/2002, BKPM Regulation No. 7/2022, and Minister of Investment Regulation No. 1/2022)

Super Tax Deduction

Gross income tax deduction incentives of up to 200% for work practices and apprenticeships and up to 300% for research development.

(Minister of Finance Regulation Number 128/PMK.010/2019 and Number 153/PMK.010/2020)

Import Duty Facility

Exemption from import duty on the import of machinery and goods and materials for construction or industrial development in the investment framework.

(Minister of Finance Regulation Number 176/PMK.011/2009 jo. and Number 188/PMK.010/2015)

Non-Fiscal Incentive

Business Licensing Process on the Risk-Based OSS System





Sustainable development is a tool to achieve a national development agenda that requires all parties' participation and collaboration.

SDGs Achievement Projection Target



- Goal 1** Labor force absorption of 168 people.
- Goal 7** The electric motor industry supports the transportation sector with clean and affordable energy.
- Goal 8** This project has an Investment Value of IDR 374.11 billion
- Goal 9** Supporting industry, innovation, and infrastructure and encouraging the government's improvement of public service facilities (roads, electricity, telecommunications, educational centers, and health facilities).
- Goal 12** Using more efficient Reuse, Reduce, and Recycle (TPS3R) Waste Management Technology and a zero waste industry.
- Goal 17** Encouraging partnership patterns through the manufacturing industry that cooperates with large businesses and micro, small, and medium enterprises (MSMEs), both at domestic and abroad.

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