



INVESTOR/FUNDER PROPOSAL FOR BIOMASS WOOD PELLET PRODUCTION PLANT

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Koperasi Energi Biomass Indonesia

KEBI was established on January 21st, 2021. KEBI is a corporation which is purely business oriented in industry, trade, and services biomass energy sectors in Indonesia.

KEBI's activities are:

- The production of Sawdust Block, Wood and Bio Pellet.
- R&D of Sustainable Raw Materials.
- Adaptation of New Production Technology.
- Marketing to Korea, Japan and Europe.
- Surveying of good geographical location in terms of resources and infrastructure for Production Plant setting up.



MARKET INFORMATION

Wood Pellets Market Segmentation

Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East & Africa

Application

- Residential Heating
- Commercial Heating
- CHP (Combined Heat & Power)
- Power Generation



The global wood pellets market size was estimated at **USD 8.23 billion in 2021** and is expected to expand at a compound **ANNUAL GROWTH rate (CAGR) of 5.5% from 2022 to 2030**.

Since wood pellets form a clean, environmentally beneficial, sustainable, and renewable biomass, the rising global demand for renewable energy is driving the demand for wood pellets to reduce the usage of fossil fuels that contributes to global warming.

This is expected to contribute to the growth of the industry over the forecast period.

- GVR

Wood Pellets Market

trends by region



A GREENER TOMORROW

TO BUILD AND INCREASE WOOD PELLET PRODUCTION IN INDONESIA SO AS TO PROMOTE THE USAGE OF SUSTAINABLE BIO ENERGY BOTH INTERNATIONALLY AND DOMESTICALLY FOR A **GREENER** ENVIRONMENT FOR NOW AND THE FUTURE GENERATION

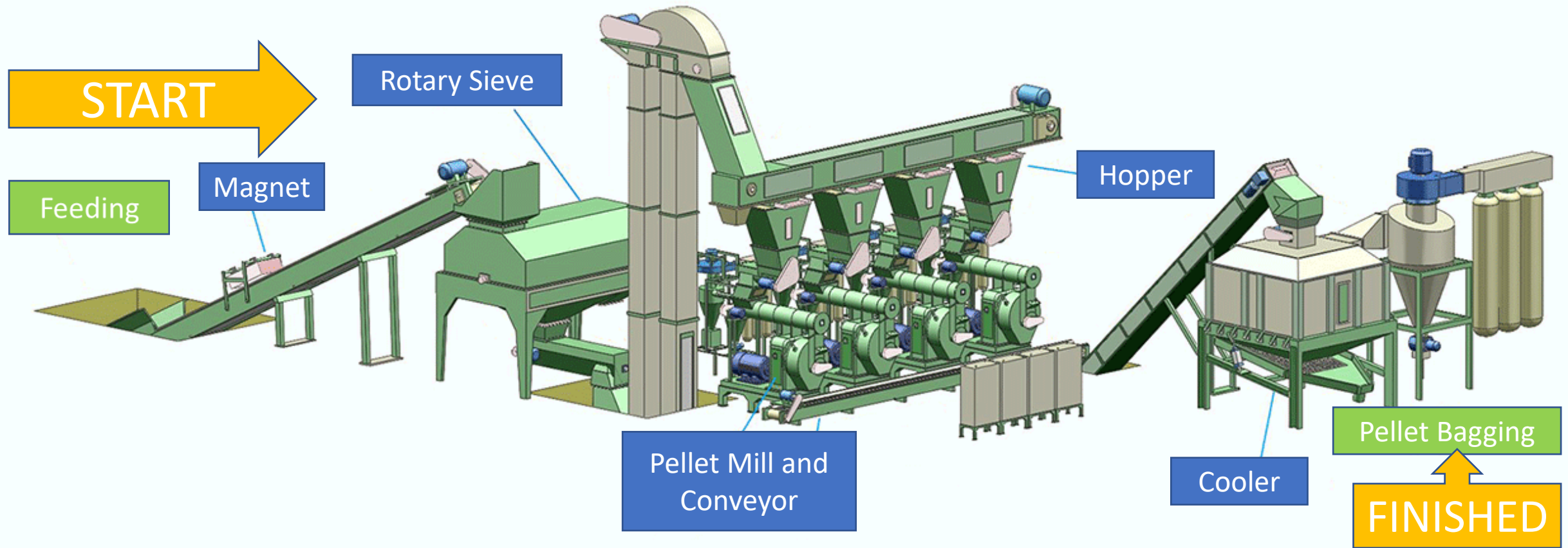
Pellets are carbon beneficial, drastically reducing greenhouse gas emissions compared to fossil fuels. Wood pellets are also low in sulfur, chlorine, nitrogen and have lower concentrations than coal of trace metals including mercury, arsenic, beryllium, cadmium, and lead. Using wood pellets instead of coal releases much less of these elements into the atmosphere.



KEBI

Raw Materials for
the production
of Wood Pellet

WOOD PELLET PRODUCTION PROCESS



PACKAGING AND TRANSPORTATION OF WOOD PELLET

Versatile

&

Convenient

Packing

Bulk Carrier

Trucking

Via Barge

Container

KEBI WOOD PELLET PRODUCTION PLANT PROJECT 2023 - 2027



Project Ref: KEBI-001
Site: Bayuwangi
Output: 5000 ton/month
Premises: Ready
Estimated Investment Required:
USD 3.0 million



Project Ref: KEBI-003
Site: Makassar, Sulawesi
Output: 5000 ton/month
Premises: Ready
Investment Required:
USD 3.5 million



Project Ref: KEBI-005
Site: Lampung, Sumatra
Output: 10,000 ton/month
Premises: Ready
Investment Required:
USD 5.0 million



Project Ref: KEBI-002
Site: Madiun
Output: 2000 ton/month
Premises: Ready
Investment Required:
USD 2.5 million



Project Ref: KEBI-004
Site: Semarang
Output: 2000 ton/month
Premises: Ready
Investment Required:
USD 2.3 million



INVESTMENT COMPONENTS

 Full Turnkey Equipment

 5 Years Storage Rental

 Warehousing Equipment

 Factory Consumable and Expendable Items

 Raw Materials

 Production Cost (Management, Manpower and Maintenance)

 Certifications and Licenses



5 YEARS INVESTMENT ANALYSIS

Sample Analysis
P&L Projection (Annualized)

Basis	Selling Price		Production Cost				
		5%		4%			
		60,000	ton				
		1,500,000	per ton				
		1,800,000	per ton (Ex-Work Price)				
Production Output							
COGS	IDR						
Selling Price	IDR						
		2023	2024	2025	2026	2027	Subtotal
Revenue		108,000,000,000	113,400,000,000	119,070,000,000	125,023,500,000	131,274,675,000	596,768,175,000
Less:							
COGS		-90,000,000,000	-93,600,000,000	-97,344,000,000	-101,237,760,000	-105,287,270,400	-487,469,030,400
Profit Before Tax		18,000,000,000	19,800,000,000	21,726,000,000	23,785,740,000	25,987,404,600	109,299,144,600
Tax Provision		-3,960,000,000	-4,950,000,000	-5,431,500,000	-5,946,435,000	-6,496,851,150	-26,784,786,150
Profit After Tax		14,040,000,000	14,850,000,000	16,294,500,000	17,839,305,000	19,490,553,450	82,514,358,450

Equity Summary		Year 1 (2023)	Year 2 (2024)	Year 3 (2025)	Year 4 (2026)	Year 5 (2027)	Total
Funder	75%	10,530,000,000	11,137,500,000	12,220,875,000	13,379,478,750	14,617,915,088	61,885,768,838
KEBI	25%	3,510,000,000	3,712,500,000	4,073,625,000	4,459,826,250	4,872,638,363	20,628,589,613
Funder's ROI Summary		Funding Amt (IDR)	31,500,000,000	Profit Projection	30,385,768,838	Margin	96%

Period			Investment Returned Amount	Percentage Return on Investment	Aggregated Percentage Return on Investment
Year 1 (2023)			10,530,000,000	33%	33%
Year 2 (2024)			11,137,500,000	35%	69%
Year 3 (2025)			12,220,875,000	39%	108%
Year 4 (2026)			13,379,478,750	42%	150%
Year 5 (2027)			14,617,915,088	46%	196%



5 KEY BENEFITS INVESTING IN KEBI'S PROPRIETARY WOOD PELLET PRODUCTION PLANT PROJECT:

- **IRR: 23% to 26%**
- **Monthly or Quarterly Cash Return**
- **BEP Less Than 3 years**
- **Bank as Trustee, Executor and Administrator**
- **Ready Buyer from Around the World**

**THANK YOU!
TERIMA KASIH!
FOR YOUR INTEREST AND
CONSIDERATION.**

LETTER OF INTEREST MAY SEND TO THE FOLLOWING EMAIL ADDRESSES:

- ICHSANMAULANA@KEBI.CO.ID
- MICHAEL@KEBI.CO.ID