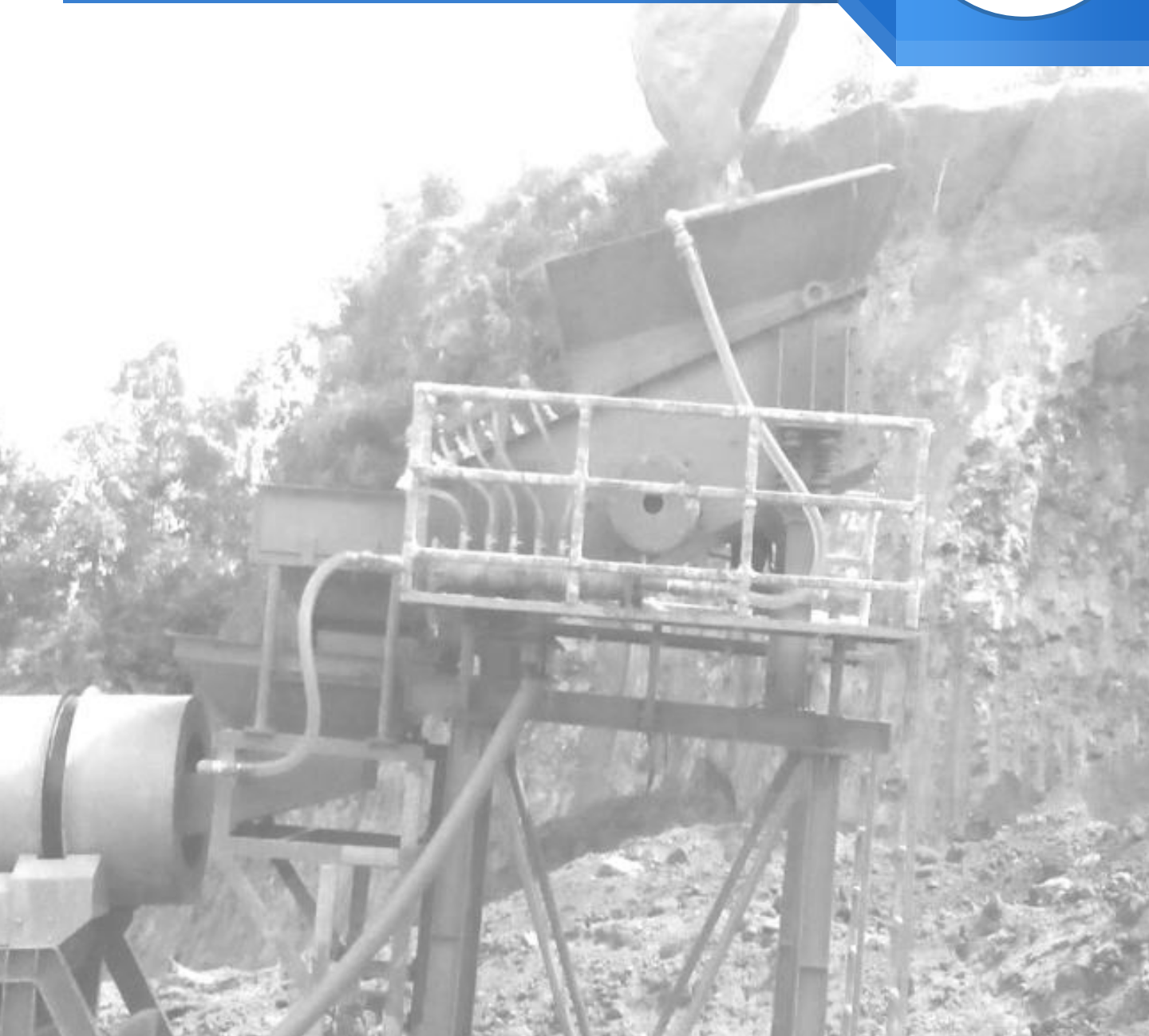


COMPANY PROFILE

PT ADHI TEKNO MANDIRI

A Mining Service Company
2026



Primary Business Address

Jalan Kavling BPK No. 41 RT 003/RW 011
Desa Cipe Cang - Kel. Cimanggis
Kec. Bojong Gede - Kab. Bogor 16320

Telephone: 0812-2521-8465 / 0856-879-4145

E-mail: adhiteknomandiri@yahoo.com

 [@adhiteknomandiri](https://www.instagram.com/adhiteknomandiri)

 [ATM Mining and Extraction](#)

TABLE OF CONTENTS

1. Overview of PT Adhi Tekno Mandiri
2. Vision and Mission
3. Organizational Structure
4. Products and Services
5. Alluvial Processing
6. Primary / Flotation Processing
7. Dompu Copper Processing
8. Water Treatment Plant
9. Research and Development
10. Project List

1. OVERVIEW OF PT ADHI TEKNO MANDIRI



Our Solutions Guarantee Your Satisfaction

Indonesia is endowed with mineral resources that are rarely found in other countries, including various types of ores such as aluminum, nickel, gold, galena, platinum, silica, copper, zinc, zeolite, iron, and many others. The exploitation of these mineral potentials by individuals or industries is often limited to the mine and sale of the raw material (ore). This provides minimal economic added value. This situation is mainly due to limited access to processing technology and the relatively high investment costs required. The efforts by the Indonesian government and local authorities to mandate the mineral processing into semi-finished or finished products are commendable and should be supported.

A mining company should incorporate economic, technological, and social visions. Introducing new technology within the company should proceed gradually, in line with financial capabilities (investment), market development, human resource readiness, and community readiness (as suppliers of raw materials). Production milestones begin with semi-finished products (mineral powder), proceed to ingots, and ultimately culminate in metal-based components.

PT Adhi Tekno Mandiri was established with a commitment to professionalism, innovation, hard work, and idealism to bolster the mining industry in Indonesia. Our goal is to position PT Adhi Tekno Mandiri as the foremost "Mining Service Company" in consultancy, engineering, and trade within the mining sector. Moreover, we are dedicated to developing technology that is forward-looking and tailored to the needs of the Indonesian mining industry.



Globalization requires uniform production standards and regulations that are consistent across the globe. For Indonesian industries to be competitive in the international market, they must elevate product quality, refine work standards, streamline production processes, advance technology, and enhance environmental consciousness.



Our Solutions Guarantee Your Satisfaction

2. VISION AND MISSION

VISION:

Leading the Field in Mineral Extraction Engineering and Consultancy

MISSION:

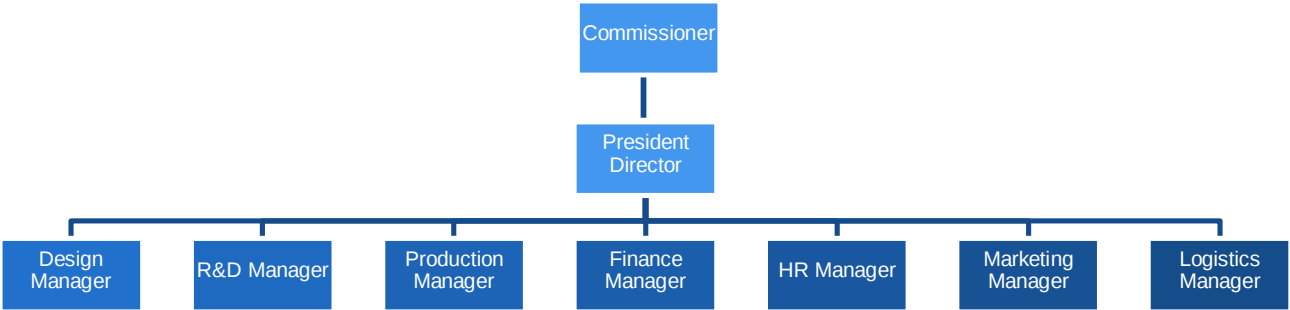
1. Delivering Optimal Solutions Swiftly to Ensure Customer Satisfaction and Fulfill Requirements.
2. Innovating and Implementing Cutting-Edge Eco-Friendly Technologies.
3. Enhancing Added Value and Competitiveness, and Accelerating Growth.
4. Cultivating Internationally-Standard Human Resources



3. ORGANIZATIONAL STRUCTURE

Company : PT Adhi Tekno Mandiri
Type of Insitution : Limited Liability Company (Perseroan Terbatas)
Notary : Dian Lestari Dewi, S.H.
No. C25.HT.02.01, Jakarta, 20 August 2007
Address : Jalan Kavling BPK No. 41 RT 003/RW 011
Desa Cipechang, Kelurahan Cimanggis
Kecamatan Bojong Gede, Bogor Regency
West Java Province, Postal Code 16320
Telephone (+62251)855 34 54 / +62812 2521 8465
Business Field : Wholesale trade of various goods in mining sector
Taxpayer Identification Number(NPWP): 21.136.089.6-403.000

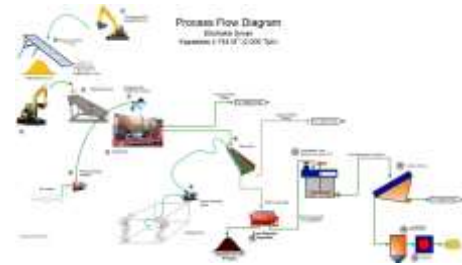
ORGANIZATIONAL STRUCTURE



4. PRODUCT AND SERVICES

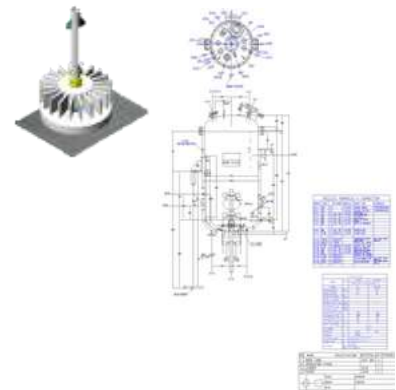
4.1 CONSULTATION

- ▶ Preliminary Study
- ▶ Feasibility Study
- ▶ Concept Design
- ▶ Project Planning



4.2 TECHNICAL SERVICES

- ▶ Quantitative Analysis of Ore
- ▶ Metallurgical Testing



4.3 RESEARCH AND DEVELOPMENT

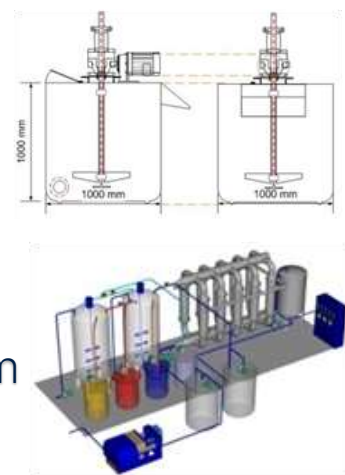
4.4 ENGINEERING

- ▶ Basic Engineering Design
- ▶ Detailed Engineering Design

4.5 PROJECT MANAGEMENT AND JOINT OPERATION

4.6 MACHINE PRODUCTION

- ▶ In-situ and Workshop Manufacturing
- ▶ Mechanical Engineering
- ▶ Structural Engineering
- ▶ Electrical and Hydraulic Equipment
- ▶ Chemicals for Mineral Extraction
- ▶ Water Treatment Plant and Scrubber System
- ▶ Installation and Maintenance
- ▶ Acceptance Test



4.7 TRAINING

5. ALLUVIAL PROCESSING

The series of alluvial processing machines comprises extraction machines utilizing the principle of gravity, ensuring high efficiency. The alluvial processing machine set manufactured by PT ATM is primarily employed in gold mining operations, aiming for Placer Gold products alongside by-products like heavy minerals.

Capable of conducting mineral processing procedures such as screening, scrubbing, and washing, gravity concentration, magnetic separation, and smelting, these machine arrays are portable and come in two distinct types:

A. Ski Type



Rotary Washing Plant installed in the Papua

B. Wheel Type



6. PRIMARY PROCESSING

PT ATM produces primary ore processing machinery, involving extraction steps such as comminution, concentration, and recovery. Flotation is defined as a mineral extraction technique that exploits interfacial properties within the solid-liquid-gas system, influenced by the introduction of chemicals. It combines chemical process phenomena with physicochemical and physical processes across these phases.

Chemistry

Froth Flotation System

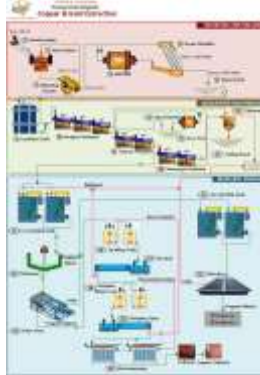
Operational Condition

- Mineralogy
- Feed Rate
- Temperature
- pH

Collectors



Das kolektor adalah zat yang akan berikatan dengan permukaan mineral yang akan dipisahkan dari ganggang. Kolektor akan berikatan dengan permukaan mineral yang akan dipisahkan dari ganggang. Kolektor akan berikatan dengan permukaan mineral yang akan dipisahkan dari ganggang.






Following laboratory testing and model development, PT ATM establishes a sulfide mineral separation facility (Galena, Gold, PGM, Copper, etc.) using flotation technology at a 5-ton-per-day scale (Pilot Plant). Beyond data collection for further facility development, economically, this pilot plant aims to operate at lower costs compared to conventional methods, delivering high-quality, clean mineral output and maximizing recovery rates. Furthermore, PT ATM also pioneers various collector types for the flotation process.

Pilot Plant



Copper Extraction Plant installed in East Java

Processing Plant



Gold Extraction Plant installed in West Java

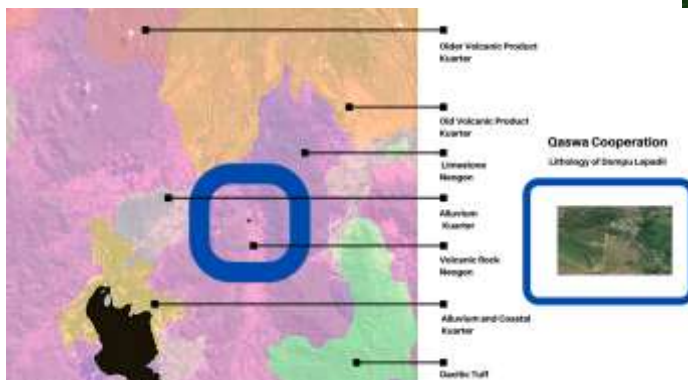
7. DOMPU - COPPER PROCESSING PLANT



- Location** : Desa Lepadi, Kecamatan Pajo, Dompu Regency, West Nusa Tenggara Province, 84219
- Source of Materials** : Artisanal mining from West Nusa Tenggara area (Lepadi, Wawo, Taliwang, Lombok, Sumbawa, etc)
- Capacity** : up to 20 ton ore or 2 ton copper plate per day



Mineralization Satellite Data



7. DOMPU - COPPER PROCESSING PLANT



Copper Ore



Deposit in the Lepadi area



Deposit in the Wawo area

Ore Characterization

Kode Sampel	Kadar Hasil Uji AAS			Dokumentasi	Kode Sampel	Kadar Hasil Uji AAS			Dokumentasi
	Cu (%)	Au (ppm)	Ag (ppm)			Cu (%)	Au (ppm)	Ag (ppm)	
BF1	13,90	21,60	98,00		BF5	12,40	0,25	8,00	
BF2	4,45	7,95	67,00		BF6	41,00	0,47	13,00	
BF3	4,29	11,10	52,00		BF8	5,25	0,02	2,00	
BF4	38,70	4,34	113,00		<10% Cu 10-20% Cu >20% Cu				

Ore Grade	Cu	Au	Ag
Highest	41,00%	21,60 ppm	113,00 ppm
Lowest	4,29%	0,02 ppm	2,00 ppm

7. DOMPU - COPPER PROCESSING PLANT



Processing Machine

COMMUNITION & CLASSIFICATION



HYDROMETALLURGICAL EXTRACTION



THICKENING & FILTRATION



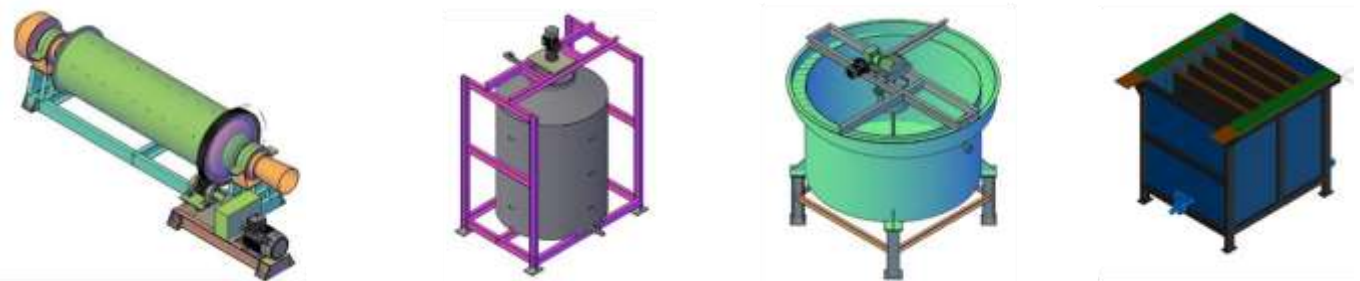
RECOVERY (ELECTROWINNING)



WASTE WATER TREATMENT PLANT

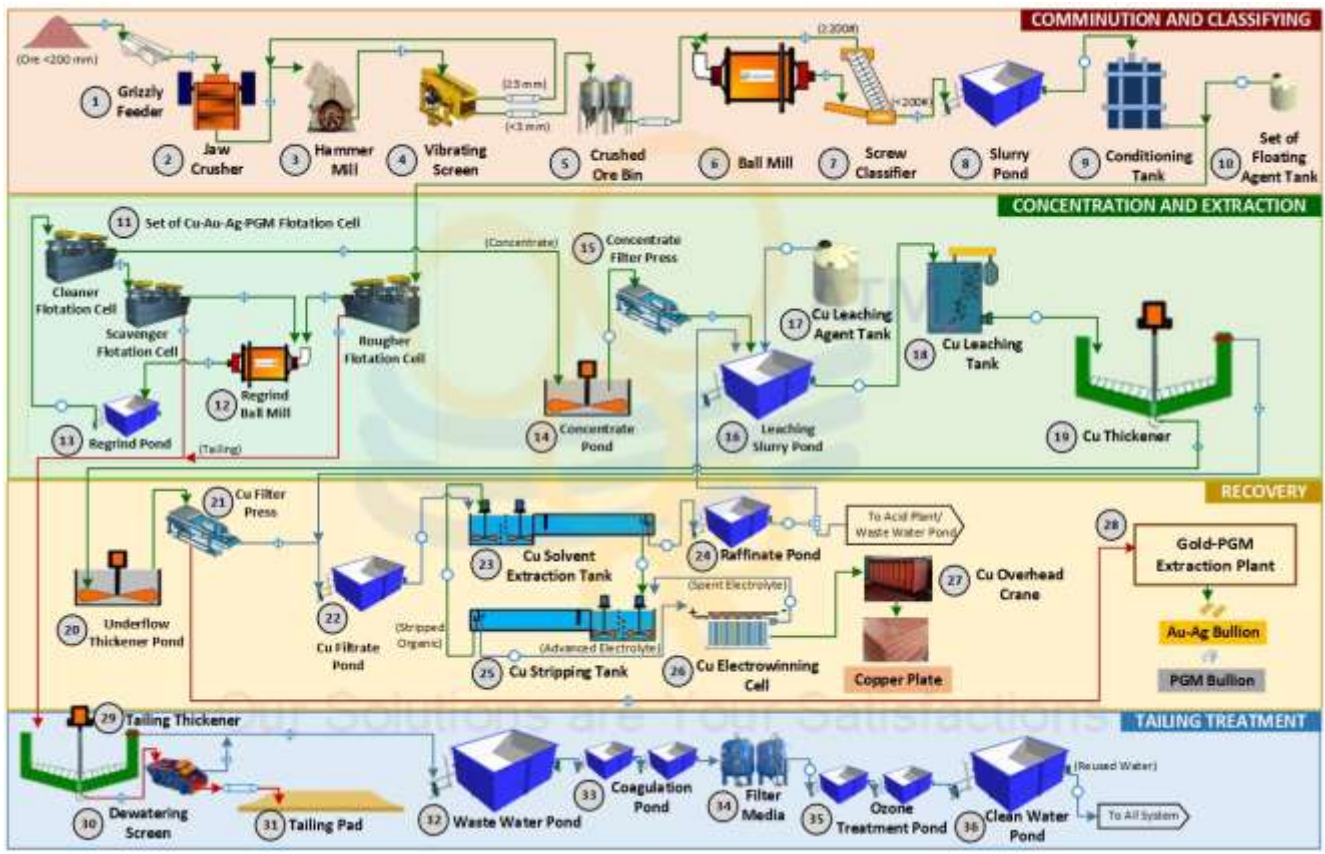


ELECTRICAL UNIT



7. DOMPU - COPPER PROCESSING PLANT

Designed Process Flow Diagram



Processing Plant Layout



8. WATER TREATMENT PLANT



Drinking Water Processing

The scarcity of clean water isn't just a concern within the mineral processing industry; it's a pervasive issue across nearly all sectors. A key objective of the Millennium Development Goals (MDGs) is to enhance community access to clean water. In response, we've developed membrane-based drinking water treatment plants (IPAM) to address both process needs and the provision of clean water for workers. These IPAM systems find application not only in various industrial sectors but also in some municipal water utilities (PDAM).



The deteriorating quality of raw water in Indonesia is often attributed to a lack of public awareness regarding the importance of safeguarding raw water sources. This situation frequently renders conventional treatment methods ineffective in purifying raw water, let alone rendering it potable. Membrane technology, however, has proven its efficacy in reducing pollutants in raw water, including salt from seawater through desalination, thus facilitating the production of drinking water.

Wastewater Processing

As a byproduct of waste industries, both liquid and solid waste frequently present challenges. Stringent regulations, both domestic and international, compel industries to treat waste seriously, ensuring compliance with legal standards. Likewise, we manage liquid waste classified as hazardous waste (B3) using a wastewater treatment plant (IPAL) equipped with chemical-resistant membrane technology and Advanced Oxidation Process (AOP). Our pilot plant has undergone rigorous testing over several years, effectively transforming hazardous liquid waste into clean water that adheres to Ministry of Health Regulation 907/2002 standards, ready for deployment across diverse industrial sectors.



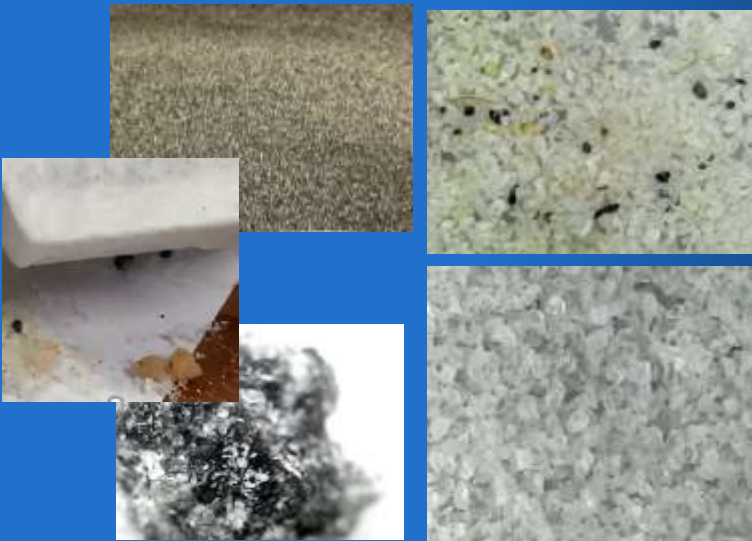
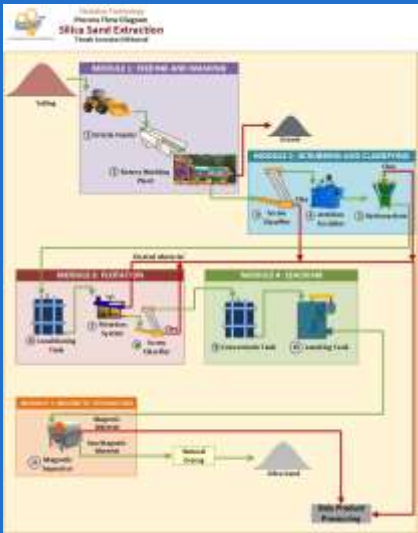
9. RESEARCH AND DEVELOPMENT



In addition to manufacturing mineral processing machines, PT ATM actively engages in research to continuously enhance machine efficiency. These research efforts aim to identify ideal process parameters, ensuring high recovery rates in production processes.



Copper Processing, Gold Processing, Nickel Smelting



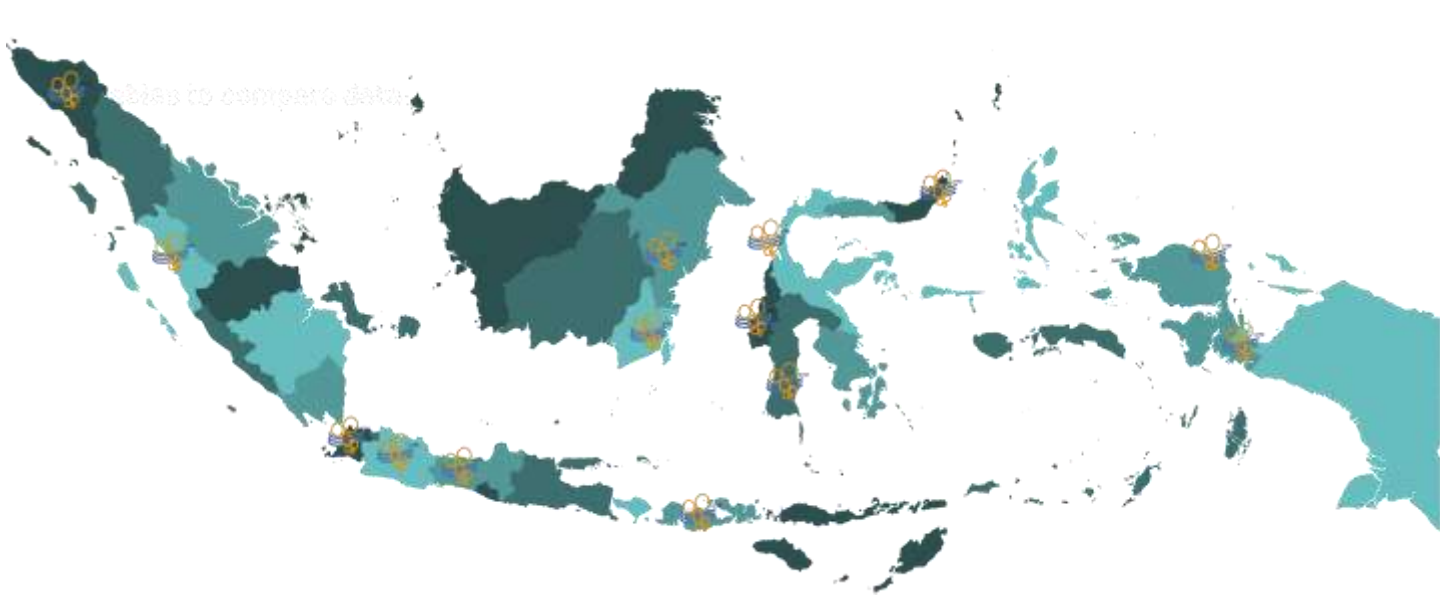
Silica Sand Processing

10. PROJECT LIST

Year	Project	Client	Location
2007	Flotation Galena (Pilot Plant)	PT. Cibatu Mining Persada	Sukabumi
2008	Flotation Mas (Pilot Plant)	PT. Cibatu Mining Persada	Sukabumi
2008	Flotation Nickel Laterite (Flotation Trial)	PT. Integral Mineral Utama	Sulawesi
2009	Flotation Galena + DMP 2 tph (Production Plant)	PT. Sekawan Utama	Semarang
2009	Peningkatan Kadar Besi 100 tph (Production Plant)	PT. Bimo Taksoko Gono	Peleihari, Kalimantan Selatan
2010	Flotation Cooper (Flotation Trial)	PT. Sekawan Utama	Surabaya
2010	Mangan Ore Upgrading	PT. Sekawan Utama	East Nusa Tenggara
2011	Flotation Emas (Flotation Trial)	Pondok Pesatren Lirboyo	Purworejo
2012	Flotation Emas 1 tph (Pilot Plant)	CV. Hadaf Karya Mandiri	Enrekang, South Sulawesi
2012	Flotation Emas 1 tph	PT. Cipaku Energi	Luwieliang, Bogor, West Java
2013–2015	Flotation Galena 10 tph	CV. Lombok Raya	Luwieliang, Bogor, West Java
2013–2016	Galena Smelter 10 tph	PT. Isco SBS	Polewali, West Sulawesi
2016	Pembangunan Air Pollution Control untuk Lead Refining	PT. Trinitan Metals and Minerals	Bogor, West Java
2017	Iron Ore Upgrading	CV. Padak Mas	West Nusa Tenggara
2017	Alluvial Gold Processing Plant 50–70 tph	PT. Mina Energy	Batang Natal, North Sumatra

10. PROJECT LIST

Tahun	Pekerjaan	Klien	Lokasi
2018	Copper-Lead-Zinc Ore Flotation (Flotation Trial)	-	Serang, Banten
2018	Copper Smelter (Pilot Plant)	PT. Trinusa Aneka Tambang	Bone, South Sulawesi
2019	Gold Leaching 3 tph	Chandra Ban	Manado, North Sulawesi
2019-2020	Alluvial Gold Processing Plant 50-100 tph	-	Manokwari, West Papua
2019-2020	Primer Gold Processing Plant 10 tpd	PT. Tunas Makmur Jaya Abadi	Cikarang, West Java
2020	Copper-Gold Processing Plant 5 tph	PT. Baruna Jaya	Kediri, East Java
2020-2021	Alluvial Gold Processing Plant 50-100 tph	PT. Memberamo Persada	Nabire, Papua
2021	Alluvial Gold Processing Plant 50-100 tph	PT. Mustika Energi Persada	Parigi Moutong, Central Sulawesi
2021	Copper Processing Plant 20 tpd	PT Trustindo Tekno Minerals	Dompu, West Nusa Tenggara





Our Solutions Guarantee Your Satisfaction

PT Adhi Tekno Mandiri **2024**