ALUMINDO
ALLOY ABADI

FORGING EXCELLENCE, SHAPING THE FUTURE

Company Profile





FORGING EXCELLENCE, SHAPING THE FUTURE

PT Alumindo Alloy Abadi · Aluminium alloy ingot & molten aluminium for Indonesian industry

Our Company



PT. Alumindo Alloy Abadi is an aluminium smelter producing aluminium alloy ingots and molten aluminium since 1998, serving Indonesia's automotive and manufacturing industries.

As a reputable smelter certified to JIS and EN standards, the company serves local and international clients with a diverse range of aluminium alloys. It applies the latest standards, modern technology and advanced machines in production, so that its products meet the highest industry benchmarks.

VISION

To be a top aluminium alloy ingot manufacturer, competitive through customer-centricity, outstanding product quality and operational excellence, setting industry standards for innovation.

MISSION

To foster a conducive environment and grow competence through people development, safety, efficiency and customer satisfaction, while supporting the carbon-neutral program.

Our Journey: 1994–2010

Until 1994

Karya Logam Biru (KLB)

Produced base metal, ADC12, pistons and aluminium billet in Cengkareng, West Jakarta.

1996–1998

KLB moves to Batu Ceper

Relocated to Batu Ceper, Tangerang, running 2 melting furnaces of 3.5 t each and 1 conveyor unit.

1998

A new chapter: Alumindo Alloy Abadi

KLB officially became PT Alumindo Alloy Abadi, an aluminium alloy ingot producer serving the automotive, household electronics and construction industries.

1998–1999

Production begins in Tambun

Ingot and deoxidant (pellet) production starts with 2 melting furnaces of 10 t each in Tambun, Bekasi.

2006

ISO 9001:2000

Quality management certificate from TÜV Rheinland.

2010

ISO 9001:2008

Quality management certificate from TÜV Rheinland.

Our Journey: 2017–2026

2017

Plant II Karawang

Plant II added in the KIIC industrial estate, West Karawang.

2018

ISO 9001:2015

Quality management certificate from TÜV Rheinland.

2021

Plant III Cibitung

Plant III added in the MM2100 industrial estate, Cibitung, Bekasi — a new chapter in service with the first delivery of molten aluminium.

2024

Plant IV Cikarang

Construction of the Delta plant in progress.

2026

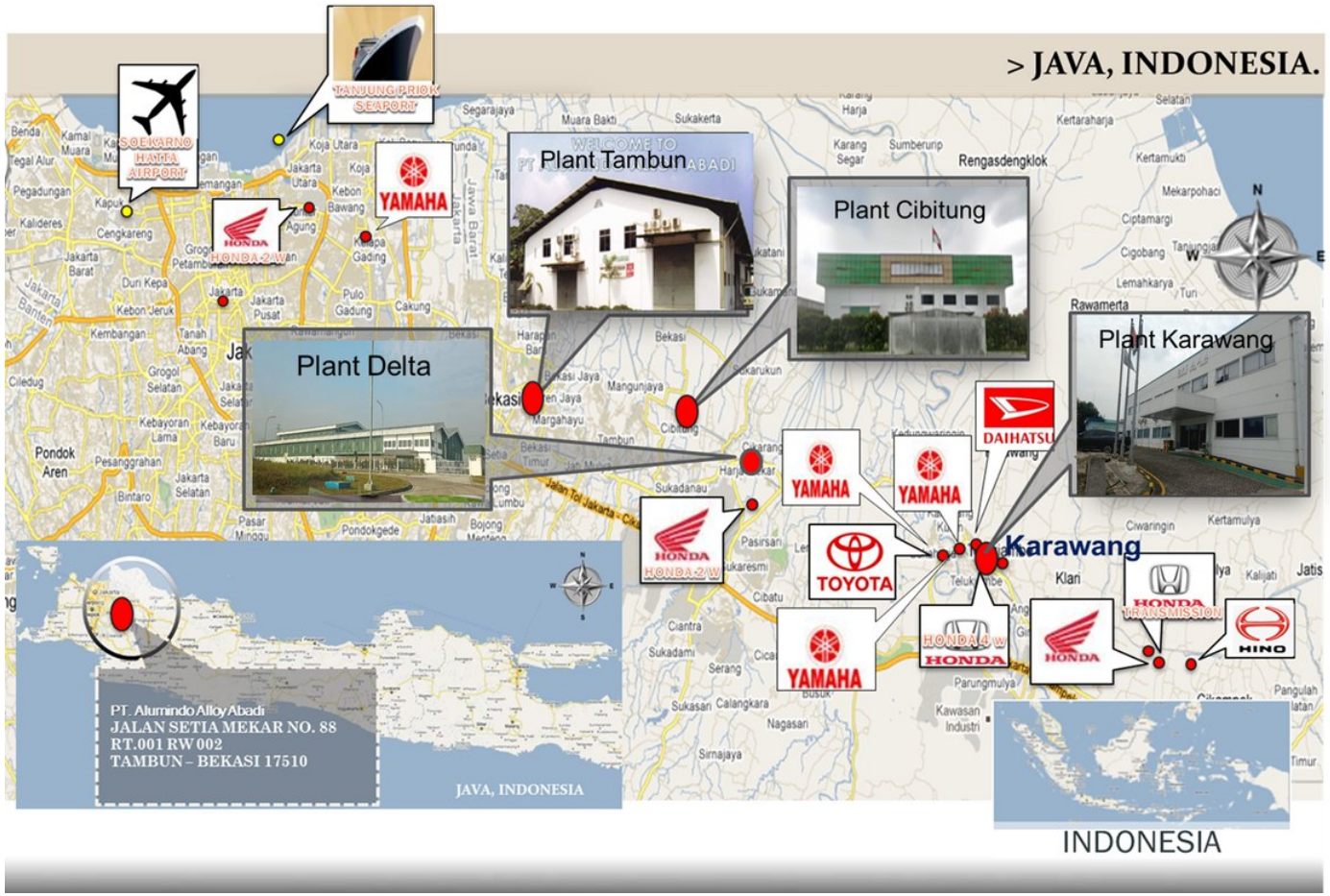
Plant IV Cikarang operating

The Cikarang plant officially starts operating, expanding production capacity and strengthening service to customers.

Today

4 plants · 8,250 t per month · 15 furnaces

Our Footprint



Four plants across the Greater Jakarta industrial belt, close to our customers' production lines.

01 **TAMBUN**
Bekasi · 2,000 t/month

02 **KARAWANG**
KIIC · 2,500 t/month

03 **CIBITUNG**
MM2100 · 2,500 t/month

04 **CIKARANG**
GIIC Delta Mas · 1,250 t/month

We operate from four plants, each equipped with extensive facilities.

Strategically positioned plants in Tambun, Karawang, Cibitung and Cikarang show our commitment to expansion and efficiency in meeting customer demand — a trusted supplier of aluminium alloy ingots and molten aluminium, both domestically and internationally.

01

TAMBUN

7,000 m² land

02

KARAWANG

10,000 m² land

03

CIBITUNG

10,000 m² land

04

CIKARANG

16,000 m² land

4	8,250 t	15
Plants	Maximum capacity per month	Furnaces

Tambun Plant

01

TAMBUN

Established 1998

Jl. Setia Mekar No. 88 RT 001 / RW 002
Tambun – Bekasi 17510
Land area 7,000 m²
Tel. 021-88345685, 88345686



PRODUCTION CAPACITY

2,000 t / month

65 t / day
Capacity currently used: 50%

FACILITY

- 3 furnace units, 10 t each
- 1 rotary furnace, 5 t
- 2 crucible furnaces, 500 kg each



Delivered to: Yamaha Indonesia Motor Mfg · Astra Honda Motor · Astra Otoparts (Nusametal) · Auto Cipta Casting · Kayaba Indonesia · Suzuki Indomobil Motor · Krakatau Steel · Minghorng Indonesia · Cabinindo Putra · Akebono Brake Astra Indonesia · Preformed Line Products · TOA-Galva Industries · Bumi Putra Mfg · Zeno Izumi Indonesia

Karawang Plant (KIIC)

02

KARAWANG

Established 2017

Kawasan Industri KIIC, Jl. Maligi I, Lot B-5
Karawang Barat
Land area 10,000 m²



FACILITY

- 1 melting furnace, 50 t
- 1 melting furnace, 30 t
- 2 holding furnaces, 30 t each

PRODUCTION CAPACITY

2,500 t / month

100 t / day
Capacity currently used: 60%



Delivered to: Yamaha Indonesia Motor Mfg · Yamaha Part Mfg Indonesia · Astra Honda Motor · Ihara Indonesia · Meiwa Kogyo Indonesia · Astra Daihatsu Motor · Toyota Motor Mfg Indonesia · Aisin Indonesia Automotive · Mikuni Indonesia · Nakakin · ASK Teknika Indonesia · Hankook Indonesia · Suzuki Indomobil Motor · Dai Moto Indonesia · Kyowa Indonesia

Cibitung Plant (MM2100)

03

CIBITUNG

Established 2021

PRODUCTION CAPACITY

2,500 t / month

100 t / day
Capacity currently used: 70%

Delivered to: Astra Honda Motor

Kawasan Industri MM2100, Jl. Irian XV
Cibitung
Land area 10,000 m²

FACILITY

- 1 melting furnace, 60 t
- 1 melting furnace, 35 t
- 1 tilting furnaces, 25 t
- 1 rotary furnace, 5 t





Cikarang Plant (GIIC)

04

CIKARANG

Operating since 2026

PRODUCTION CAPACITY

1,250 t / month

50 t / day
Capacity currently used: 30%

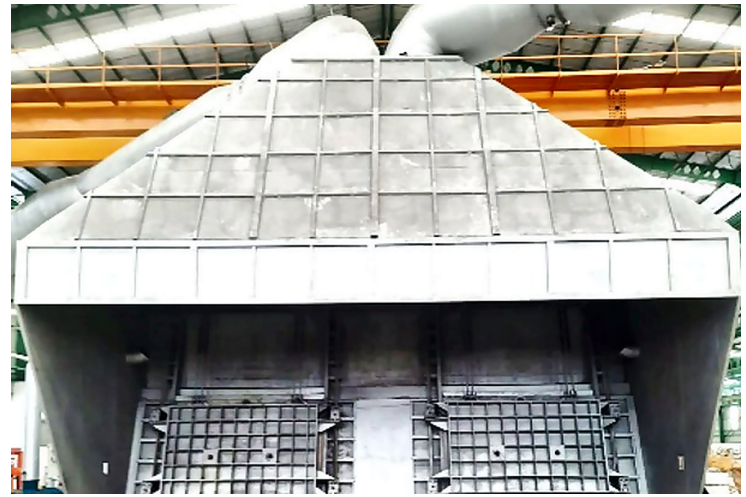
Delivered to: Astra Honda Motor · export (planned)

Kawasan Industri GIIC Delta Mas, Cicau
Cikarang – Bekasi
Land area 16,000 m²

FACILITY

- 1 melting furnace, 60 t
- 1 tilting furnace, 25 t
- 2 crucible furnaces, 500 kg each
- Next project: +1 tilting furnace, 25 t (2027)





Our Products



Aluminium ingots (ADC, AC)
Built to the specification each customer requests.



Molten aluminium (ADC, AC)
Delivered hot to the customer in our own dedicated wing-box molten transport.

PRODUCT FAMILIES

- Die casting alloys
- Sand & gravity casting alloys
- Master alloys
- Foundry support materials

Certified to JIS and EN standards. The full catalogue is available on our website.

Applications & Properties



BY APPLICATION

- Automotive & motorcycle
- Electronics & decorative
- Hydraulic & industrial

BY PROPERTY

- Corrosion resistance
- High strength
- Fluidity
- Thermal conductivity
- Ductility

END-USE SECTORS

- Infrastructure & architecture
- Transportation & automotive
- Household appliances
- Sustainability — recyclable material

Flow Process: Melting & Alloying



01 Incoming material & sampling



02 Supply material for production

Based on composition simulation plan



03 Charging material



04 Melting



05 Mixing



06 Dross skimming

Filtering dross with dross collector



07 Sampling & chemical test

Chemical control

Sampling and chemical test are carried out after melting and alloying, and again in the holding furnace.

Flow Process: Refining & Transfer



08 **Alloying**

Chemical test & alloying simulation



09 **Fluxing & degassing**

Nitrogen 99.9% and flux, 0.1–0.5 × total material



10 **Dross skimming**



11 **Inclusion & porosity test**

Gas max 0.40 cc/100 g · K-value max 0.1



12 **Transfer to holding furnace**



13 **Drossing (holding furnace)**



14 **Sampling (holding furnace)**

Output

Strapped aluminium ingots, or molten aluminium in ladles, ready for delivery.

Robot Stacking & Casting Conveyor



Automated ingot handling

PT Alumindo Alloy Abadi already uses robot stacking and casting conveyors in its ingot production.

- Casting conveyors carry the ingots through casting
- Robot stackers arrange the cast ingots automatically
- Preheated ladles and lift casting units handle molten aluminium

Molten Delivery & Transport





Our fleet of purpose-built trucks gives ingots and molten aluminium a secure, controlled journey to the customer. Safety, efficiency and environmental sustainability guide every logistics operation, with delivery timed to customers' production schedules.

Ladle preheat and lift casting equipment load molten aluminium directly into dedicated wing-box trucks.

Molten aluminium

Dedicated wing-box trucks keep the metal hot and safe in transit.

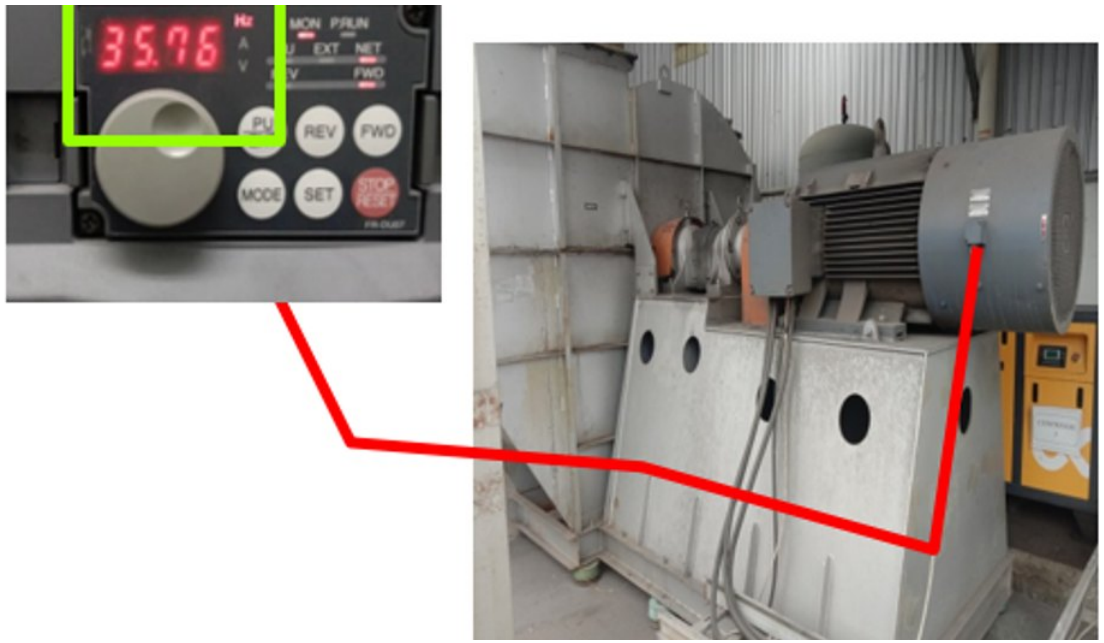
Aluminium ingots

Trucks carry strapped ingots from the plants to customers.

On-time delivery

Schedules follow each customer's production plan.

Green Company: Motor Acceleration Control



Standard mode
Scrap processing 50.0 Hz · base metal processing 50.0 Hz
Higher energy use



Energy-saving mode (push button)
Scrap processing 50.0 Hz · base metal processing 25.2 Hz
Saves energy on the blower motor

Green Company: Electric Forklifts





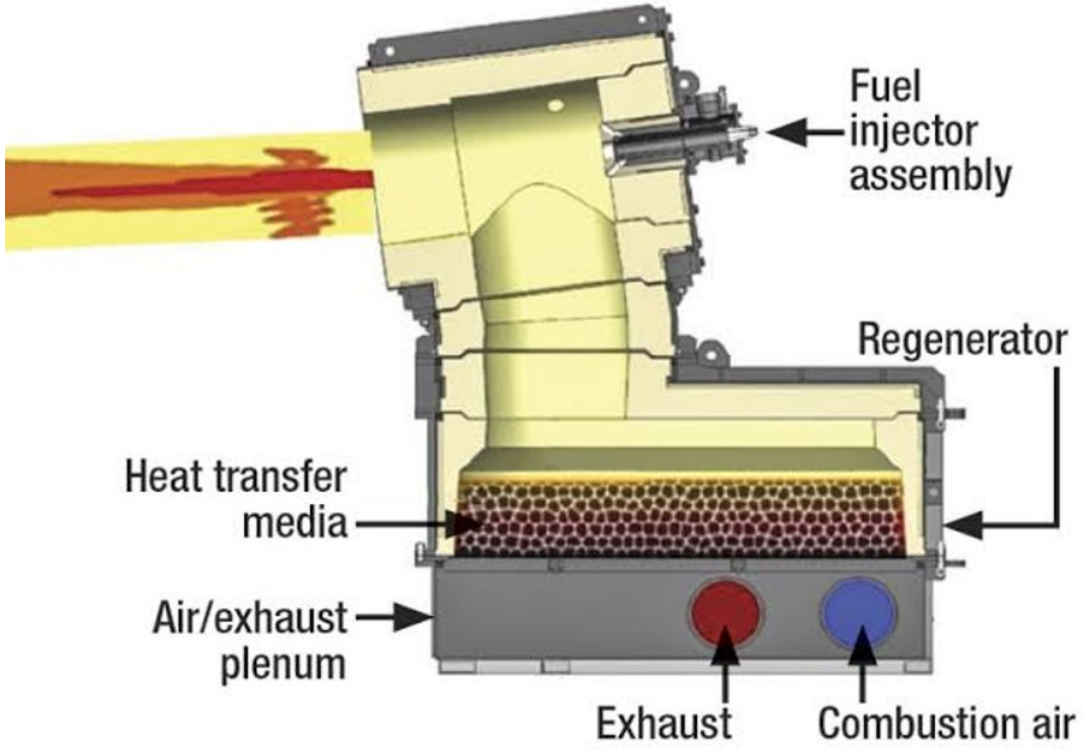
Li-ion battery forklifts

Material handling in our plants uses Li-ion battery forklifts, served by a dedicated charging station.

Part of our commitment to a better environment and to the carbon-neutral program.

Burner System





- Melting uses natural gas (Pertamina PGN), an environmentally friendly fuel.
- Regenerative burner recovers heat through alumina balls / heat-transfer media.
- Dual-fuel system: diesel serves as a backup substitute for natural gas.

Dust Collector





The dust collector system is designed to capture and separate dust particles and fine materials generated during the aluminium processing operations, preventing dust from spreading into the working environment and surrounding air. The system uses a 200 kW motor blower to extract dust-laden air and channel it through a bag filter system, which separates the particles before the filtered air is released. It is also equipped with an additional heat exchanger to protect the filter bags from high temperatures and an automatic rotary valve to continuously discharge the collected dust. Overall, the dust collector helps maintain a cleaner production area, reduce particulate emissions, protect production equipment, and improve workplace health and safety.

Quality Assurance

“WE SERVE QUALITY”

Quality is our primary concern. Our aluminium alloy ingots are certified to JIS and EN standards, and quality control runs through every step — from incoming material and chemical sampling to porosity testing and delivery.

Our team of skilled professionals makes sure every batch meets the specification the customer asks for.

JIS & EN certified

Aluminium alloy ingots to recognised product standards

In-process control

Spectrometer analysis, chemical sampling and porosity testing

Continuous training

Quality control, 5S, TPM and safety — internal and external

Licenses & Compliance



Hazardous & toxic waste (B3) licenses

1. Transportation license for hazardous and toxic waste (Izin Pengangkutan Limbah B3) — Ministry of Transportation
2. Waste utilization license (Izin Pemanfaatan Limbah B3) — Ministry of Environment

These licenses let us handle our own process by-products responsibly and support recycling of aluminium material.

Clients

- Astra Honda Motor
- Astra Daihatsu Motor
- Toyota Motor Mfg Indonesia
- Suzuki Indomobil Motor
- Yamaha Indonesia Motor Mfg
- Yamaha Part Mfg Indonesia
- Akebono Brake Astra Indonesia
- Aisin Indonesia Automotive
- Kayaba Indonesia
- Ihara Indonesia
- Meiwa Kogyo Indonesia
- Mikuni Indonesia
- Astra Otoparts (Nusametal)
- Preformed Line Products
- Krakatau Steel
- Hankook Indonesia
- And many more



Customer Appreciation









2024	Superior Quality & Delivery Award	**2019**	Excellent Quality & Delivery Award	**2018–2019**	Superior Quality & Delivery Award
2018	Best Contribution Award	**2015–2016**	Superior Quality & Delivery performance	**2015**	Appreciation for 4,000,000 units production
2013	Appreciation for 3,000,000 units production	**2011–2012**	Excellent Quality & Delivery performance	**2008–2010**	Good Quality & Delivery performance

People, Safety & Training

Beyond production, we invest in capability and a safe, orderly workplace — through internal and external training in quality control, 5S, TPM and safety.

13 Oct 2026

Spectrometer training

Cikarang plant — material-composition quality control.

28 Aug 2026

Internal 5S training

Building orderly, disciplined work habits.

21 May 2026

External 5S & TPM training

With Astra Daihatsu Motor — an orderly, efficient, reliable work culture.

24 Dec 2025

Fire drill

With the KIIC fire department — a commitment to workplace safety.

Thank you

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