

**ALBA**



Treasure raw materials.



PT. TRIDI OASIS GROUP

# PT ALBA TRIDI PLASTICS RECYCLING INDONESIA

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**Waste is Just a  
Resource in the  
Wrong Place.**



# The Asset Triple A Sustainable Infrastructure Awards 2024

## DEAL AWARDS (ASEAN)



### RENEWABLE ENERGY DEAL OF THE YEAR – WASTE-TO-ENERGY

#### PT ALBA Tridi Plastics Recycling Indonesia

US\$40.90 million blue loan

Lenders: **Asian Development Bank, Leading Asia's Private Infrastructure Fund**

Legal adviser: **Allen & Overy**

The blue loan supported the establishment of a polyethylene terephthalate (PET) recycling facility, which is expected to recycle up to 48,000 tonnes of polyethylene terephthalate (PET) bottles annually, diverting them from landfills, open burning, or leakage into the ocean. The plant will produce 36,000 tonnes of recycled PET, which will offset up to 30,500 tonnes of carbon dioxide that would have resulted from using virgin PET.

# ALBA TRIDI Plastics Recycling for Indonesia

In 2022, PT ALBA Tridi Plastics Recycling (ALBA Tridi) is formed by the collaboration of German originated and global recycling specialist, ALBA Group Asia, and local plastics recycler, Tridi Oasis Group.



## About ALBA Group Asia

The ALBA Group, founded in 1968, is one of the world's leading recycling and environmental services companies as well as raw material providers worldwide.

The ALBA Group Asia has 4 main business units: hazardous waste recycling management, green gas & green fuel technology, smarty city solutions and plastic recycling.

ALBA Group Asia operates state-of-the-art recycling facilities in Greater China and across Asia and employs approximately 750 employees.



PT. TRIDI OASIS GROUP

## About Tridi Oasis Group

Established in 2016, Tridi Oasis is a growing recycler of plastic bottles in Indonesia aiming to turn problems into opportunities through city waste recycling.







Tridi is operating a washing line with a capacity of 12,000 ton p.a. and is ambitious to expand the capacity and elevate the product quality for food-grade rPET market.

# ALBA Tridi Plastics Recycling Indonesia

ALBA Tridi's project is a plastics recycling plant in Kendal Industrial Park producing 36,000 tons of recycled plastics per annum



## KEY PROJECT INFORMATION

	<b>Capacity</b>	36,000 ton p.a. output
	<b>Project Type</b>	Greenfield
	<b>Potential Project Site</b>	Kendal Industrial Park
	<b>Feedstock</b>	Baled post-consumer PET drinking bottles
	<b>Product</b>	1. Food grade rPET pellets; 2. Food grade ready flakes
	<b>Indicative Investment</b>	c. USD 60M

## SCOPE OF OPERATION



 **Sourcing**

Sourcing post-consumer PET bottles from **LOCAL** recyclers, waste banks and collectors.

 **Washing**

Washing the feedstocks at high standard to produce food-grade ready flakes

 **Extrusion**

Extruding the food-grade ready flakes into food-grade pellets which could be raw materials for manufacturing drinking bottles

 **Sales**

Selling the high-quality products to retailers / FMCGs / bottlers for manufacturing to close the loop of PET



# Tridi Oasis

Turning problems into opportunities



Tridi Oasis is a homegrown Indonesian recycling company aiming to **turn problems in waste management into opportunities** through recycling local plastic waste into usable raw materials.

Since our establishment in 2017, we have recycled more than **750 millions** plastic bottles and since 2021, we have started to tackle **low-value or hard-to-recycle** plastics. We are transforming and upcycling the low-value plastics into plastic pallets, replacing the wooden pallets, resulting in more than **545 million plastic sachets** have been collected last year.

We have been continuously creating triple bottom line impact since 2017.



Empowering more than 30 informal collection centers



Optimizing our capacity so more plastic waste can be recovered



Continue creating awareness on plastic waste

## ENVIRONMENTAL Impact



## SOCIAL Impact



## ECONOMIC Impact

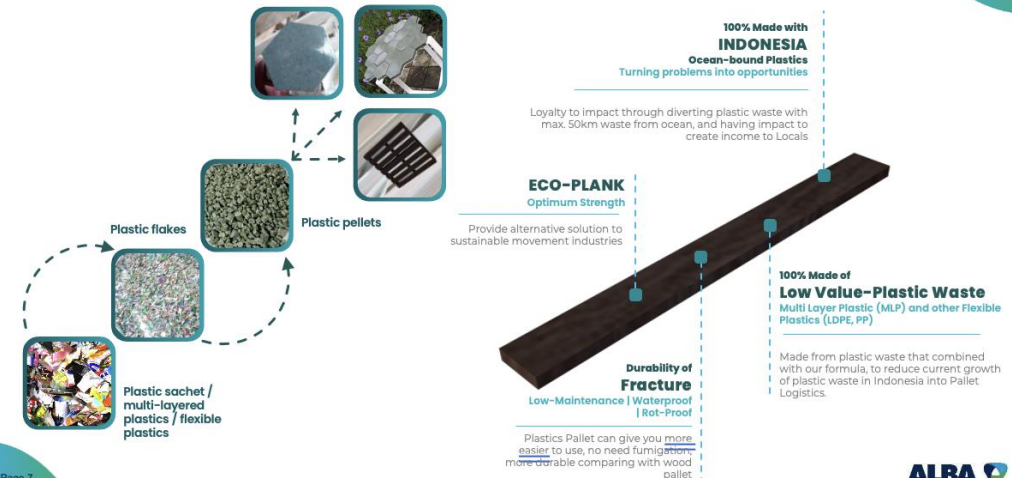


■ Plastic waste recovered / recycled and back to market (tons/year)

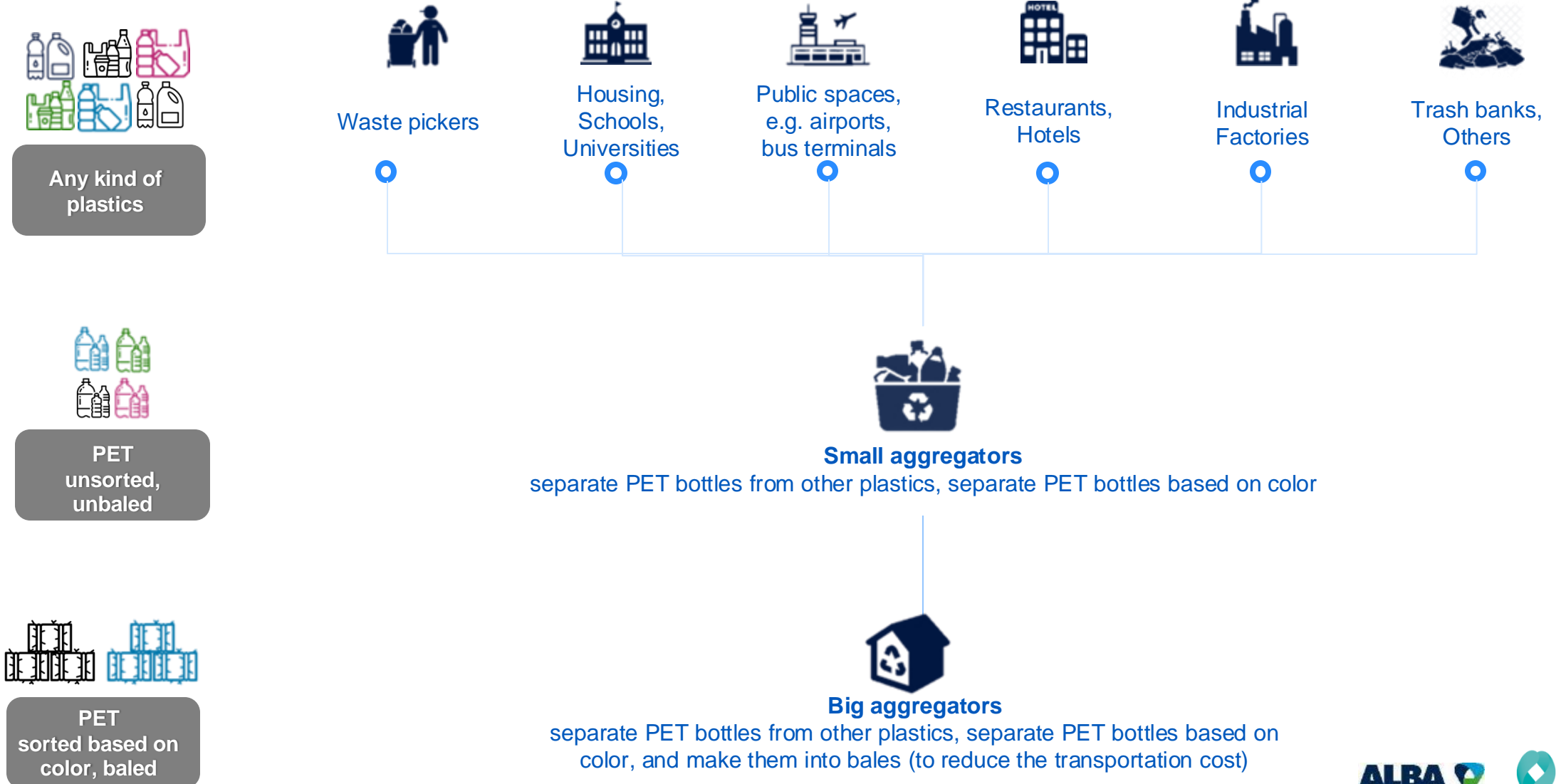
■ Jobs created in local market (# of employees)

■ Waste collector income in 2017 – present (in Bio IDR)

## Low value plastics or hard to recycle plastics portfolio.



# Our Current Collection Chain





# Sales Strategy

rPET food grade pellet will be sold directly to end customers for consumer brands in F&B and personal hygiene, the ready to food grade rPET flake will be sold to rPET food grade pellet recycling factory



Production	Product Type	Indicative Volume	Target Buyers	Region
Total Output: <b>36,000</b> ton p.a.	rPET Pellets (food grade)	11,000 ton p.a.	Consumer brands F&B and Personal Hygiene	Local & International
	rPET Pellets (Ocean Bound Plastic)	1,000 ton p.a.	Consumer brands F&B and Personal Hygiene	Local & International
	rPET Flakes (Ready to food grade)	20,000 ton p.a.	rPET food grade pellet recycling factory	International
	rPET Flakes (Read to food grade)	4,000 ton p.a.	rPET food grade pellet recycling factory	International



# Social Impact

Improve the livelihood of informal sector by including them in the value chain of plastic recycling , which is currently challenging and where the investment is needed



**Community recyclers / informal sector collection** is responsible for roughly 50% of the collection, an important workforce for this industry.



**PET recycling facility** creates demand for post-consumer PET bottle bales – create an opportunity for the informal sector to sustainably generate income to improve their livelihood.



**Food-grade rPET** is sold at a premium in the market, hence the facility can afford to pay an even higher cost than fibre-grade recycling facility to the informal sector for the post-consumer PET bottles, further enhance their livelihood.









**THE GREATEST THREAT TO OUR PLANET IS THE  
BELIEF THAT SOMEONE ELSE WILL SAVE IT.**

**-Robert Swan**





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