

# ENGINEERING THE FUTURE OF MANUFACTURING

ENZAC

ENZAC Engineering Solution Sdn. Bhd. Company Profile



# COMPANY BACKGROUND

ENZAC Engineering Solutions or ENZAC is a automation engineering company specializing in **Process Optimization through Plant Automation** for bulk material handling.

Our priority is **delivering high quality product** through detailed planning, design, fabrication, installation and commissioning of project.

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**To provide smart and green  
manufacturing solutions**

**ENZAC'S VISION**

## ENZAC'S MISSION

**To improve plants efficiency through process automation and Internet Of Things (IoT)**



# PROBLEM STATEMENT

- 1 Manufacturing processes are slow & unreliable due to dependency on human labour
- 2 Plant operators are exposed to robust & hazardous environment over time
- 3 Plant downtime due to late stock order or high amount of spare parts in the inventory

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# THIS IS WHERE ENZAC COMES IN



Plant Automation



Process Optimization



Bulk Material Handling &  
Storage



IoT and IR4.0 Solution  
Provider

# PRODUCT LINE

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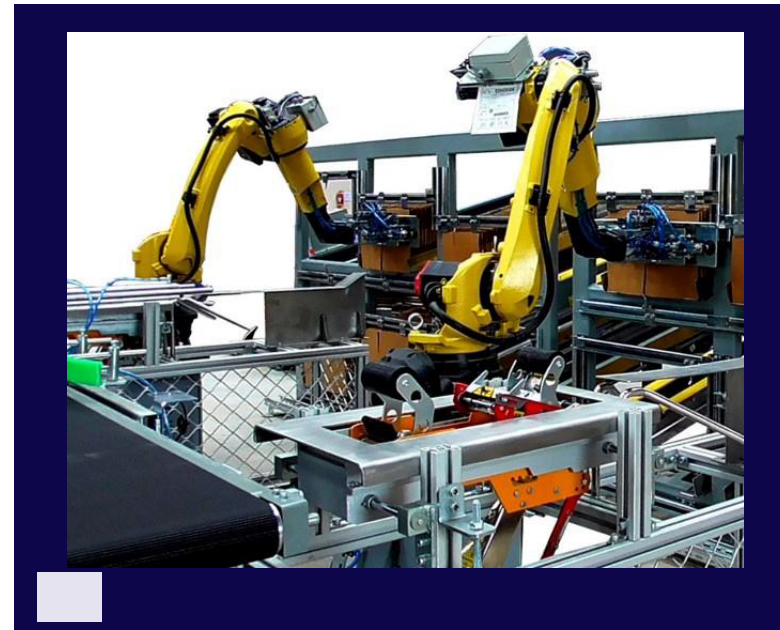
## Bag Filling

Weight & Handle



## Secondary Packaging

Count & Handle



## Palletizing

Stack



## Intralogistic Conveyers

Convey & Handle



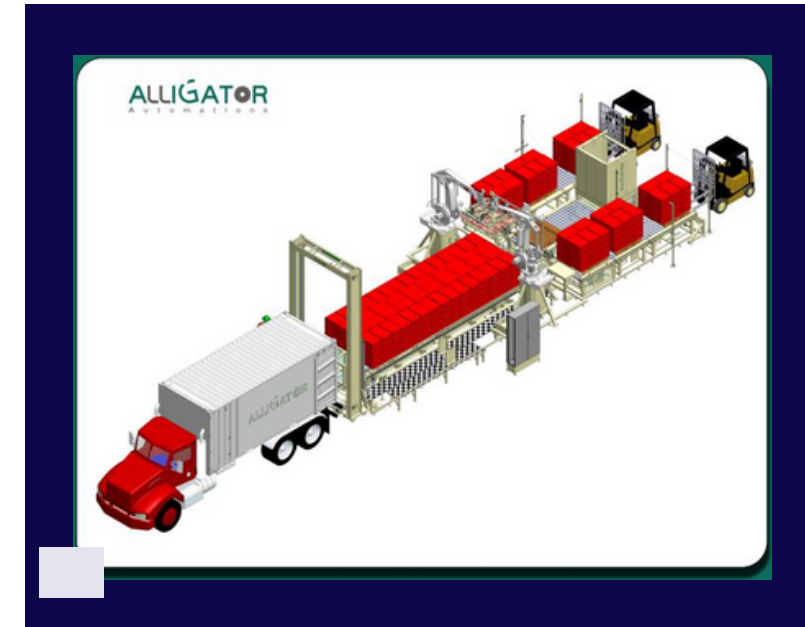
## Pallet Packaging

Load Stabilization



## Truck Loading

Auto Handle



# Bag Filling

Weight & Handle

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## 01 PACKAGING MACHINE

- Sachet Packaging Machine
- Sack Bag Packaging Machine
- Jumbo Bag Packaging Machine



## 02 STAND-ALONE EQUIPMENTS

- Bag Kicker
- Bag Tilter
- Bag Flattener



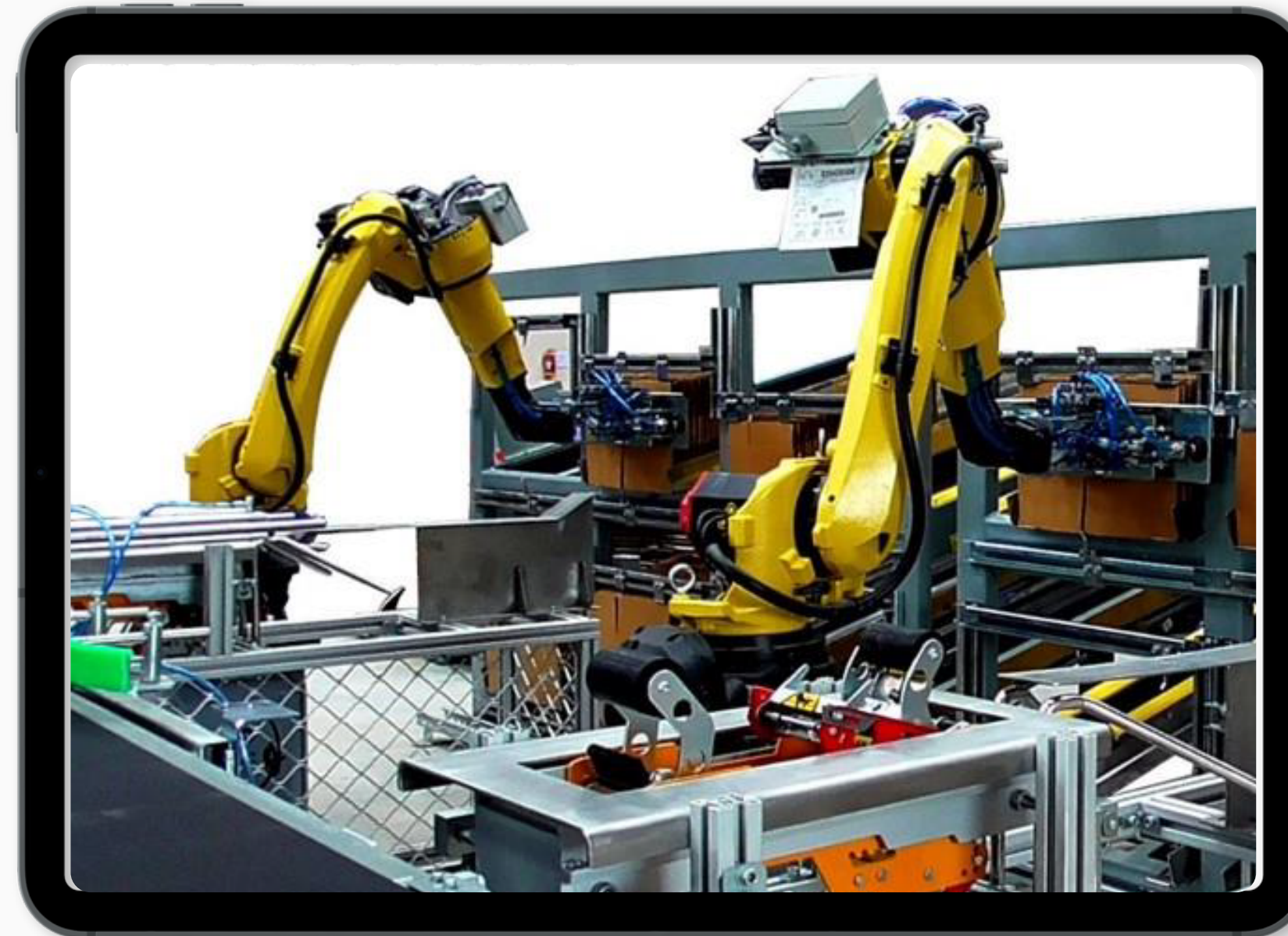
# Pack-in-Pack System

Weight & Handle

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**01 FLEXIBLE  
PACKAGING**

**02 CASE  
PACKAGING**



# Palletizing System

Stack

## 01 PICK & PLACE TYPE

Robotic  
Gantry/Cartesian



## 02 LAYER PALLETIZER

- Low Level
- High Level

## 03 STAND-ALONE EQUIPMENTS

- Pallet Dispenser
- Hand Gripper
- Print & Apply

# Intralogistic Conveyers

Convey & Handle

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## 01 PRODUCT CONVEYOR

- Roller
- Belt
- Turn/90 Degree



## 02 PALLET CONVEYOR

- Roller
- Chain
- Cross Transfer
- Turn Table

## 03 STAND-ALONE EQUIPMENTS

- Pallet Shuttle
- Sorting Systems

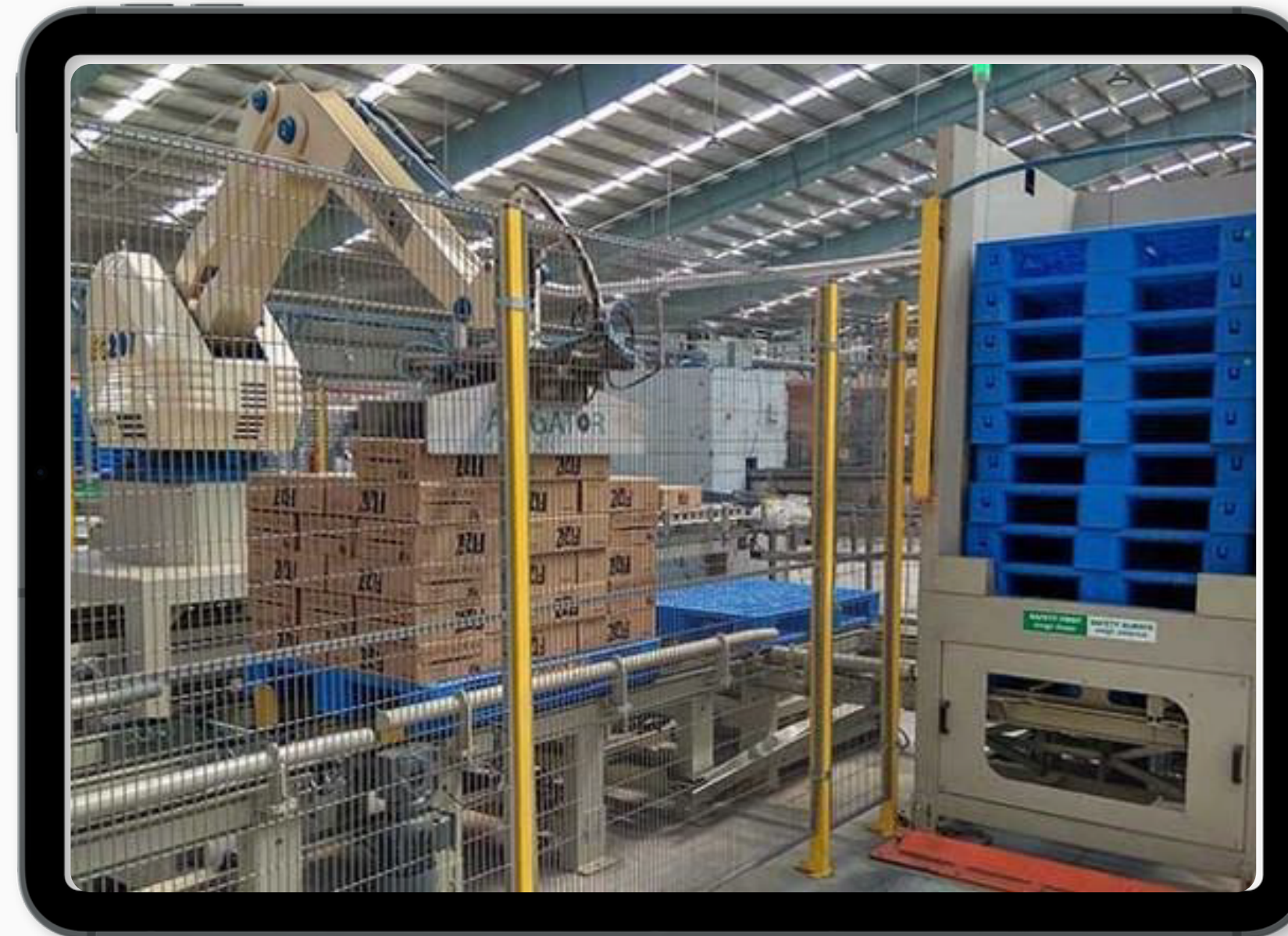
# Pallet Packaging

Load Stabilization

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## 01 STRETCH WRAPPING

- Rotating Arm
- Rotating Conveyor
- Ring Type



## 02 STRAPPING

- Horizontal
- Vertical

## 03 STRETCH HOODING & SHRINKING

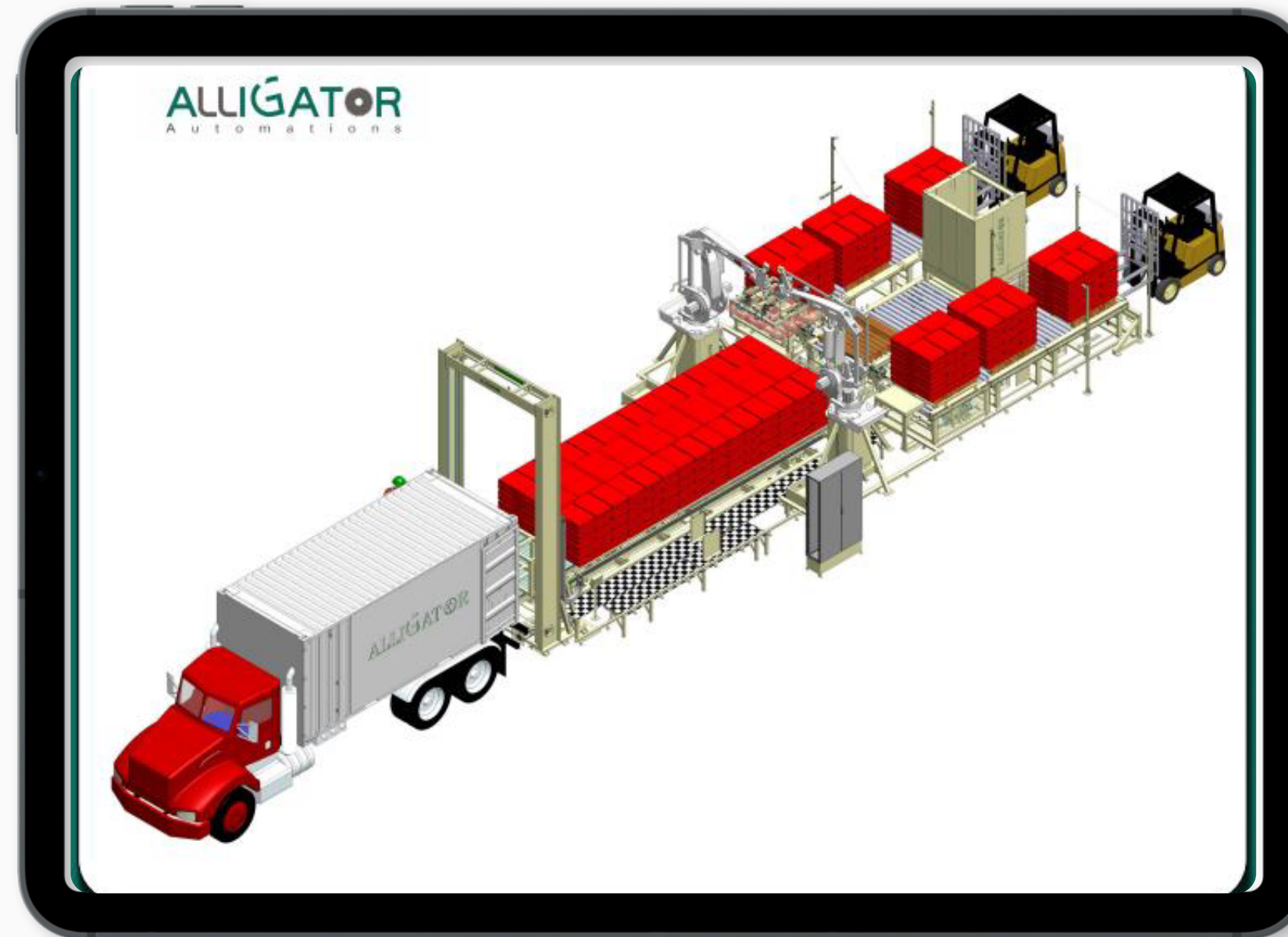
# Truck Loading

Auto Handle

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## 01 AUTOMATIC TRUCK LOADER

- Bags
- Boxes



# QUALITY INSPECTION

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**SIEVE SEPARATOR**

To separate out material of different sizes



**GRATE MAGNET SEPARATOR**

To remove ferrous dust or small chips



**METAL DETECTOR**

To detect metal or ferrous material

# OUR LOCATION

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# NOTABLE CLIENTS

ENZAC



**PETRONAS**

**FGV**





# CLIENT LIST

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## CEMENT & FERTILIZERS CLIENTS



# CLIENT LIST

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## FOOD & BEVERAGES CLIENTS



# CLIENT LIST

## AGRO COMMODITIES

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# CLIENT LIST

FMCG CLIENTS

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*P&G*



# CLIENT LIST

SEED INDUSTRY CLIENTS

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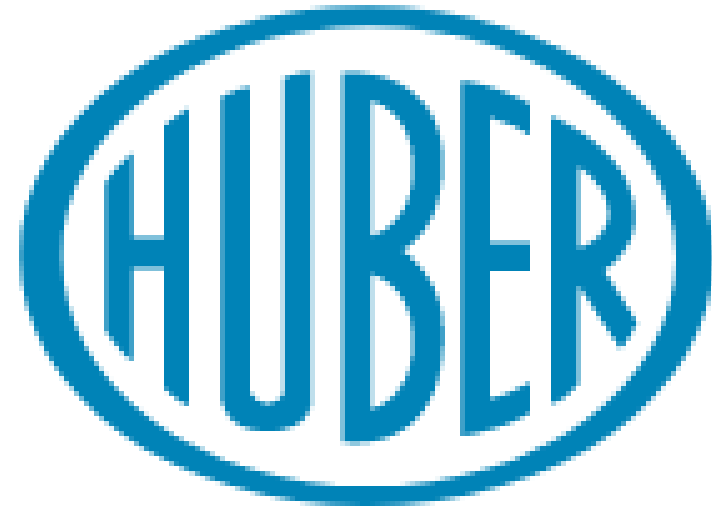


# CLIENT LIST

CHEMICAL INDUSTRY

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adani  
wilmar



**LANXESS**  
Energizing Chemistry



**HUNTSMAN**



 **LG Chem**

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## OIL & PAINT CLIENTS



# CLIENT LIST



## AUTOMOTIVE CLIENTS



**NEW HOLLAND**





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## PETROCHEMICAL CLIENTS

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# CLIENT LIST

PAPER, BATTERY & OTHERS

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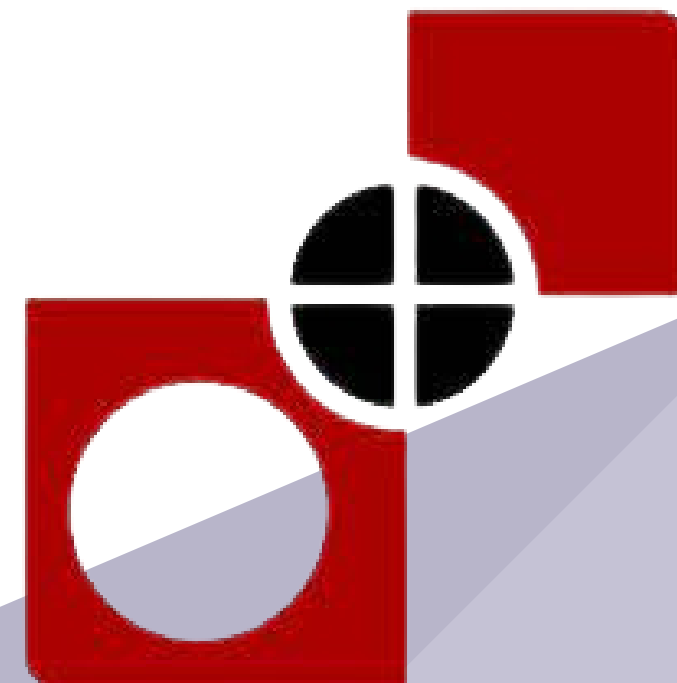
**AMARA RAJA**

Gotta be a better way



**JK  
PAPER**

# Haier



# CLIENT LIST

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OEM CLIENTS



**BOSCH**

**ABB**



**SYSTEM**  
**Logistics**

**COESIA**

**ECO CLEAN**  
*technology that inspires*

**SSI SCHÄFER**

# VALUABLE PARTNERS

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## Tekno Logam

A Petronas licensed company manufacturing piping and mechanical seals. Tekno Logam has been in the Oil and Gas industry since 1992 with long term track record with major MNC companies



## Alligator Automation

Packing Line Automation team based in Pune, India. Alligator Automation has a history of serving big MNC companies in different industries. Their application are made to suit different industry requirements.



## Rembau Movers

Our forwarding partner experienced in moving our equipment and our client's product globally. Material transportation is made convenient through the efficient service of Rembau Movers