

Impression

Systems & Engineers Pvt. Ltd.

Imensys

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About Us

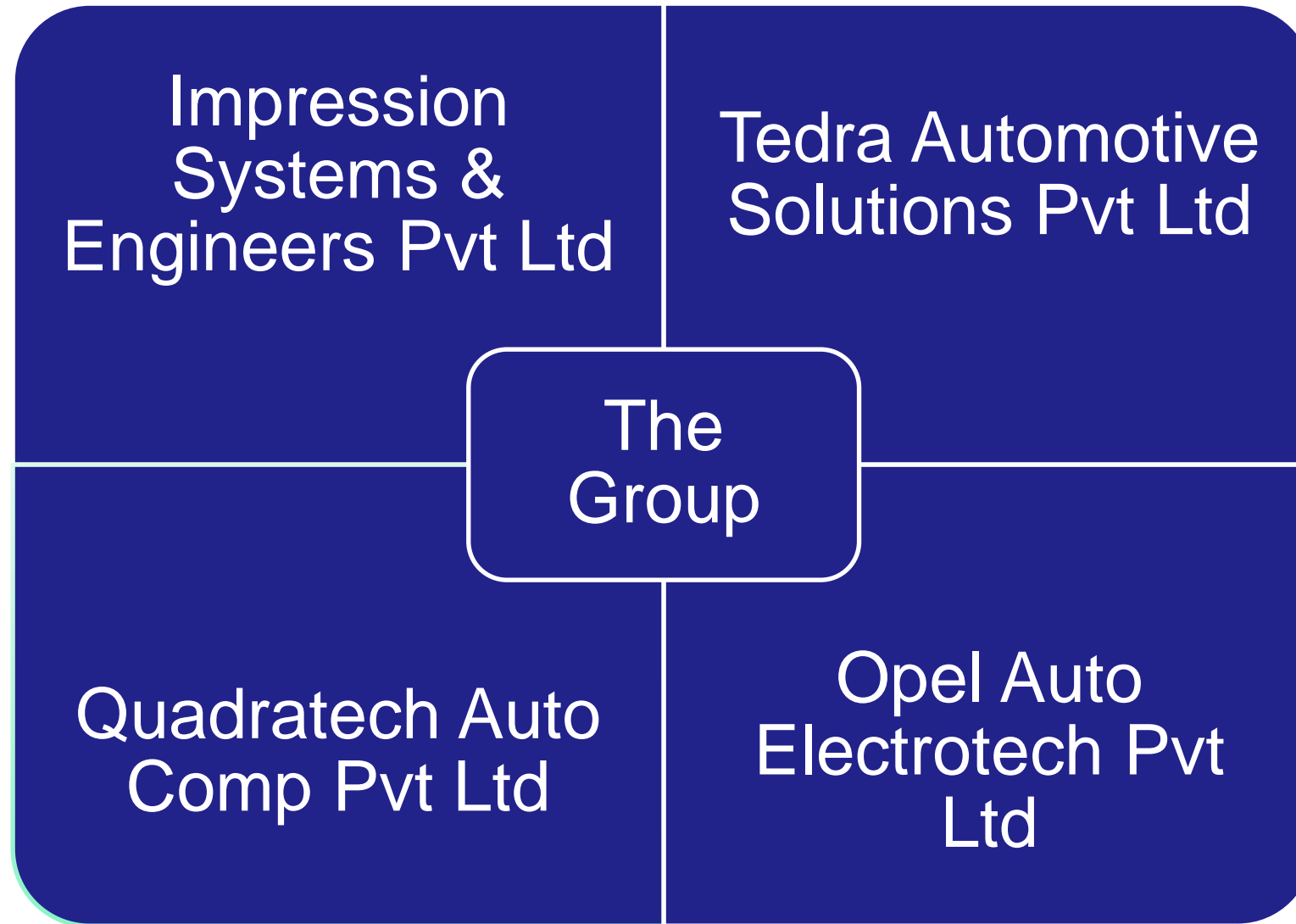


Impression Systems & Engineers Pvt Ltd. is a company based in Pune, founded in the year 2005 by a group of technocrats with the aim of being a leading developer, manufacturer and supplier of material handling, storage, logistics and assembly line automation systems with the focus of not compromising in terms of quality, performance and reliability of the products developed by us..

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Group Companies



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Management - Directors

Pramod Nair

Mr. Nair is a Mechanical Engineer with around 30 years of experience in design and development. Mr. Nair is an expert in design of Material Handling systems including cranes, conveyors and trolleys and Automation. He started his career in Machine Tool design and hence has deep understanding of manufacturing processes.

Vijay Killedar

Mr. Killedar is an Mechanical Engineer with 25 years of design , development and manufacturing experience. Mr. Killedar also started his career in Machine Tool Design. He has over the years worked in the design of Material Handling Systems including cranes, conveyors and trolleys.

Rajesh Hindlekar

Mr. Rajesh Hindlekar is an Electronic Engineer with more than 26 years of experience in design and configuration of Complex Automated Systems & Controls. He has experience in Automotive Bodyshop and assembly lines. He has integarted more than 1500 Robots. He is an expert on PLC based systems, Networking, SCADA and Robotic Integration

Manoj Chandak

Mr. Chandak is an Mechanical Engineer with around 27 years of experience in the automotive industry. He has been involved in sourcing and vendor development for different automotive industries. He is an expert in the field of Project Monitoring and Control.

The logo for Imensys, featuring the word "Imensys" in a stylized, cursive script font.

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Resources - Facilities

- Design
 - In-House Design and PLC programming Facility
 - 1. Mechanical Design – Team of 9 Engineers.
Working on Solidworks, CATIA, PTC-CREO.
 - 1. Electrical Design Engineers – Team of 4 Engineers.
 - 2. PLC Programmers – Team of 4 Engineers.
- Manufacturing
 - CNC Gas & Plasma Cutting Machine
 - Automatic MIG/MAG Welding Facility
 - Basic Machining Facility available In-house
 - Control Panel Assembly and Testing
- Inspection
- Assembly & Testing

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Business Segments

- Automotive
- Heavy Engineering
- Beverages
- Appliances
- Infrastructure

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Client List



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Western Refrigeration – Cooler Assembly and Conveying Line



- 200m long conveyor line for multiple operations like Assembly, testing, packaging and reporting system.
- The components includes
 - ❖ Slat Conveyor
 - ❖ Roller Conveyor
 - ❖ Power & Free Roller Conveyor
 - ❖ Turn Tables
 - ❖ Tilter
 - ❖ Lifter
 - ❖ Overhead Conveyor

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Western Refrigeration – Tilter / Upender



- The Equipment is used to tilt the component so the operator can assemble the equipment in a comfortable position.

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Billet Handling - Conveying Line



- Billet handling system for feeding conveyor to processing machine.
- 20 Ton buffer conveyor.
- 5 Ton billet feeding conveyor.
- PLC based control system to the sequence the feeding

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Coca Cola, Siliguri - Conveyor Line



- Conveying line to transfer 100 Pallets per hour to the loading system.
- The line includes lifters, turntables, direction changers and cross-transfer for conveying the pallet.
- At the end of the line, 22 pallets are buffered before feeding them to the auto loading system.

NOKIA | ZEISS

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L&T, Ratnamani – Cross-transfer Chain Conveyor



- Chain conveyor to transfer plates from one end to other.
- 75 Tons Capacity.
- 12m x 25m.
- Hydraulic lifting mechanism to transfer plates from infeed and outfeed roller conveyor.

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Godrej - Conveyor Line

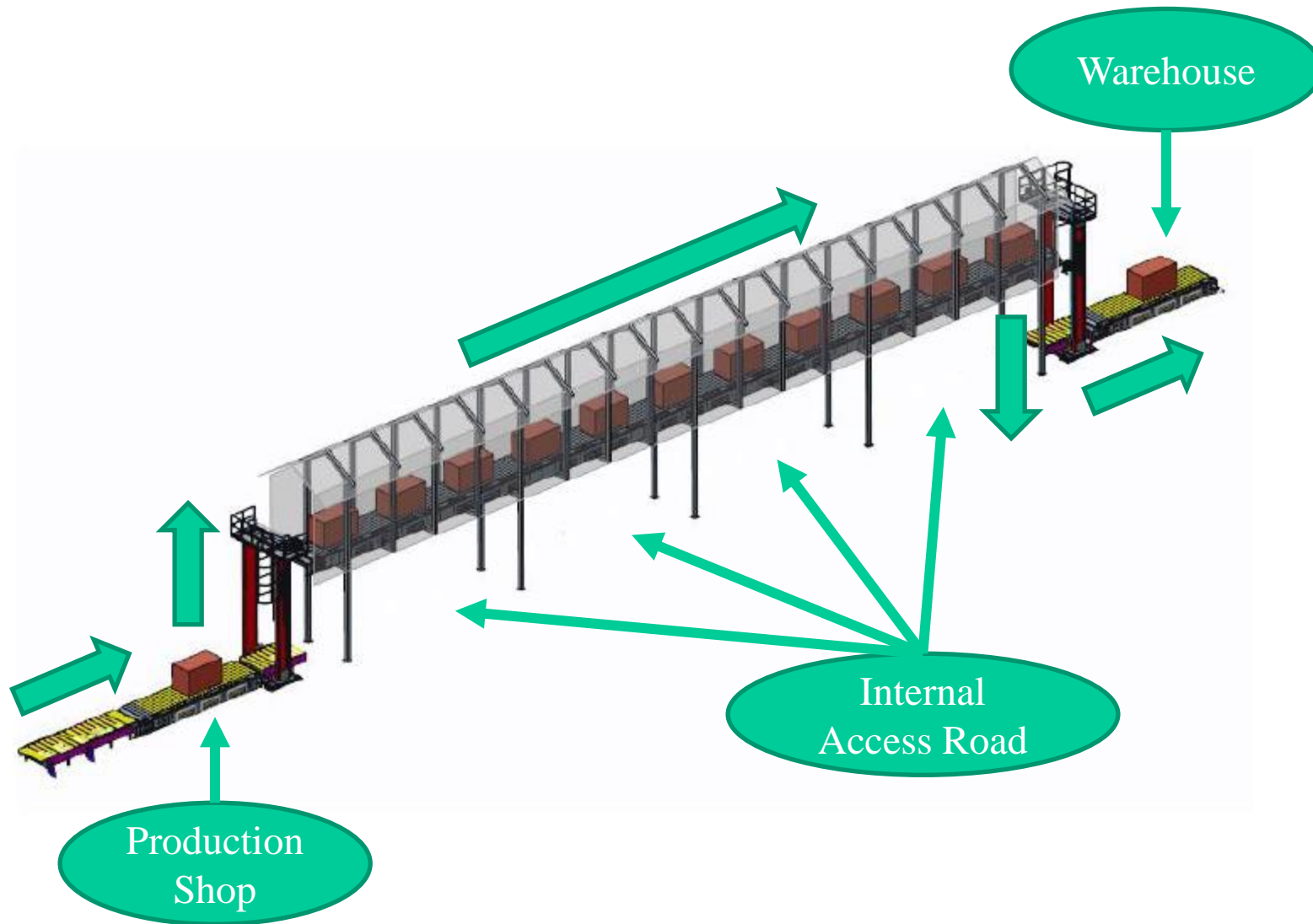


- 32m meter slat conveyor
- 45 Ton capacity.

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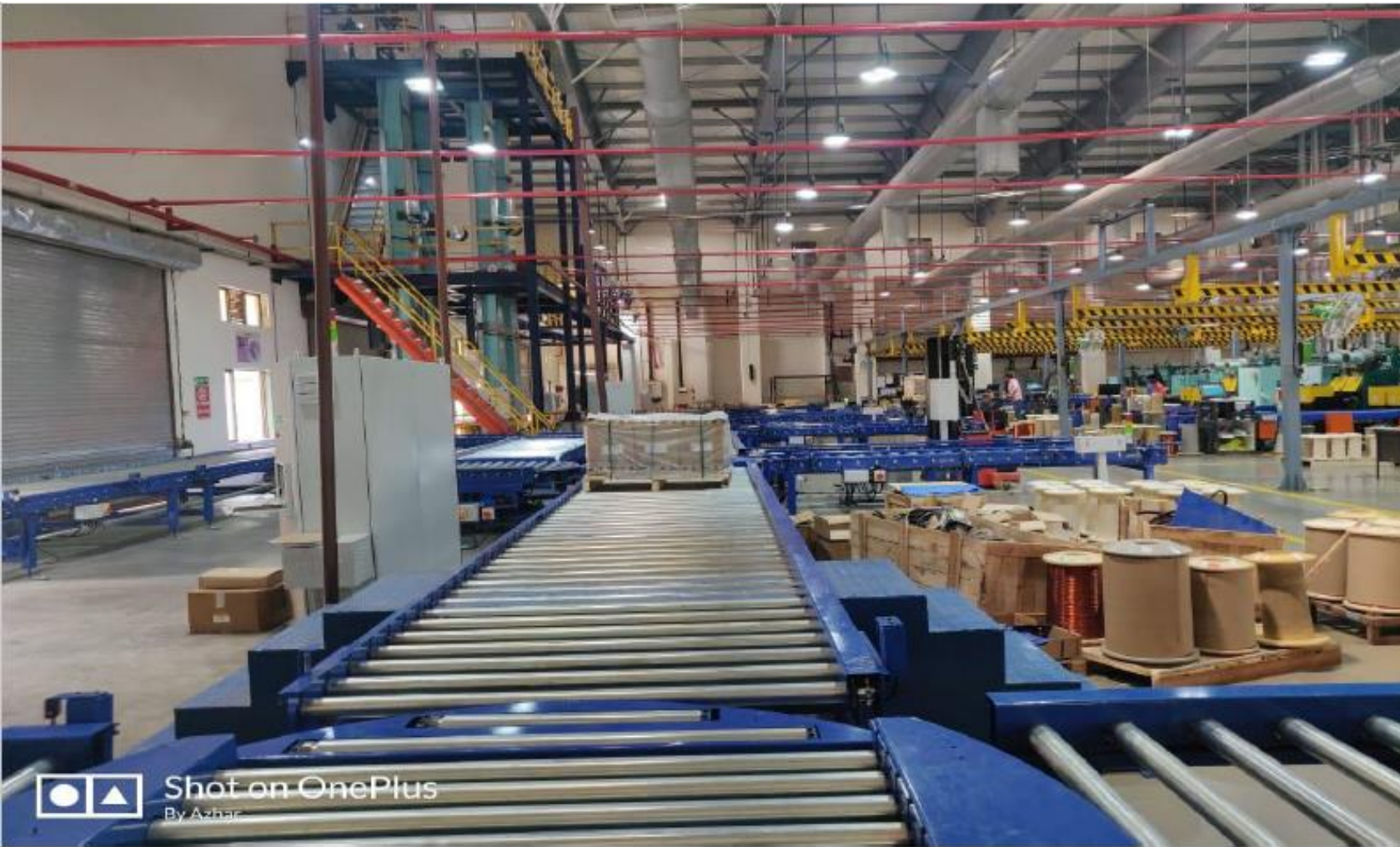
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Adani – Overhead transfer system



- System used for transfer of pallets and goods from Production shop to warehouse without obstructing the internal access road.
- Overhead conveyor is at a height of 10 m from the road level.
- 2 lifts are placed at the each end of the Overhead slat conveyor one at each shop to transfer the pallet from the Overhead conveyor to the floor conveyor.

PWIL, Gujrat – Pallet Transfer Line



- Pallet transfer system to transfer the pallet from 6 production lines on 1st floor to ground floor.
- At the end of production cycle, all the pallets are tagged with barcode and scanned.
- After the pallets are placed on the conveyor line, the pallets are recirculated until cleared for dispatch.
- APP based interface provided for the clients, production manager and other levels to control the transfer lines, view the present status of the Order etc.

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Comau - TML – Vertical Drop Lift



- Transfer of Car body from Floor level to overhead Transfer system.

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TAL - Boeing JV - Vertical Storage



- Capacity of 108 tool storage.
- Auto loading and unloading of parts of parts.
- Stacker crane of 1 ton Capacity with X and Z axis movement.
- Wireless Communication between main control panel and stacker crane panel.
- Dynamic allocation of storage space to reduce retrieval time as per production requirement.

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INDUSTRY STANDARD 4.0



Dispatch Manager

- Stock Monitoring
- Dispatch Status
- Vehicle Status



CEO

- Production Achieve Target v/s Actual
- Customer's Purchase Orders Status



Customer

- Purchase Order Status



Production Manager

- Throughput Monitoring
- Breakdown Reports
- Implement Maintenance to Increase Productivity
- Purchase Order Status



CONTACT US

Impression Systems & Engineers Pvt. Ltd.

Office:

BR-1, 450/51/52, Jai Ganesh Vision, Akurdi, Pune – 411 035 Maharashtra, India.

Factory:

Gat No. -357/68 /69, Waghjai Nagar, Kharabwadi, Chakan, Pune - 410 501, Maharashtra, India.

Tel : +91- 20 - 48600867

Mobile : +91- 78755 54775

: +91- 7391060112

Website : www.imensys.net

: www.imensyscranes.com

Email : sales@imensys.net

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