

CASE STUDY 09



Computer Vision for Truck Loading & Dispatch Verification

Manufacturing Logistics / Warehousing

Vision AI | Dispatch Automation

Business Challenge

Incorrect products, incorrect quantities or inappropriate loading patterns can result in shipment errors, customer disputes and additional transportation costs.

Solution

Cameras positioned at loading bays analyze the dispatch process and combine visual information with shipment data to validate correctness in real time.

- Correct vehicle at the loading bay
- Correct package/SKU and package count
- Loading progress and sequence
- Approximate available loading capacity
- Vehicle entry and exit
- Digital evidence of dispatch

Solution Flow



Business Value

Every dispatch receives a visual digital audit trail, improving traceability and reducing dependency on purely manual verification.

TECHNOLOGY

Computer Vision, Edge AI, Loading-Bay Cameras, Dispatch Data Integration