

Loading Verification

Faster loading.
Zero errors. Easy to deploy.

speed | accuracy | scalability

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Reduce truck turn around times and guarantee correct shipments to your customers. ZetesMedea automated loading verification solution speeds up loading processes and removes shipping errors with 100% accuracy.

Common loading challenges - sound familiar?

As a specialised technology within the ZetesMedea logistics execution portfolio, it enables outbound operations to effectively address significant cost, efficiency and customer satisfaction challenges:

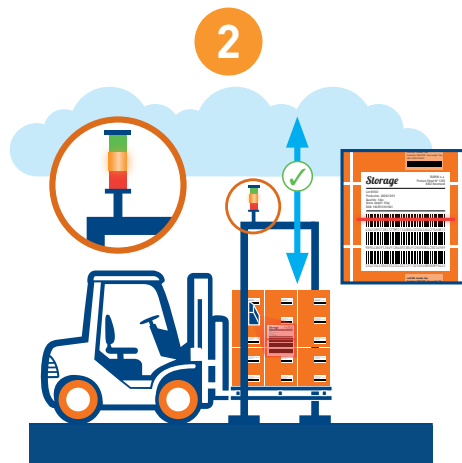
- ▶ **Incorrect pallets/returnable assets** are loaded
- ▶ **Too many or too few** handling units are loaded
- ▶ **No visual proof of load/condition** available to manage customer disputes efficiently
- ▶ Handling units **'disappear'** on the road
- ▶ Loading is too **slow**

Instant control at the dock door

The ZetesMedea loading verification solution is powered by Zetes patented ImageID machine vision technology. Camera gates positioned at the loading bay door capture images of every pallet / returnable asset prior to vehicle loading. It instantly decodes and verifies the pallet barcode label and triggers a go/no go signal for the loading operator. Images are stored in the ImageBank enabling time stamped proof of loading.

 **zetes
medea**
LOGISTICS EXECUTION

with
100%
loading
accuracy



Benefits

Increased Productivity - Faster loading

- ▶ Automated process instead of manual control
- ▶ Different operators can load the same truck at the same time
- ▶ Barcodes are rapidly detected in motion, no impact on the operator's loading procedure



Tracking - 100% control rate

- ▶ Every pallet passing the gate is checked
- ▶ Vehicle loading is permitted based on the correct verification of the pallet label
- ▶ The operator can be visually guided or barrier controlled



Evidence based traceability

- ▶ Minimised claims through visual proof of load/condition
- ▶ Time-stamped images can be accessed via the ImageBank



No human interaction - Easy to use

- ▶ Operators are fully guided by the system
- ▶ A go/no go signal prevents operators accessing the truck with the wrong pallet



Features

Large field of view scanning

- ▶ Unlike a standard fixed scanner, the camera enables the detection of pallet labels anywhere on the pallet and in any direction.

Depth of view scanning:

- ▶ Barcodes are detected regardless of the distance between the pallet label and the camera, or the angle. This means the operator is not restricted when passing the pallet in front of the camera.

In-motion scanning:

- ▶ Detection of up to 20km/h with DataMatrix labels
- ▶ Supporting both 1D and DataMatrix barcodes on SSCC label



Example Application Criteria

You frequently lose or misplace loads

As a manufacturer or 3PL you deliver shipments into a part of the supply chain that you do not own. A loading error can mean a pallet is lost forever, so ensuring 100% accuracy of the loading process is key.

You handle many customer claims

Visual proof of condition through the ImageBank discourages untruthful claims and allows handling lengthy claims faster.

You have a high turnover of personnel, few resources to allocate

Multiple operators can work together on the same shipment. The automated solution requires no training or manual intervention.

Your loading process needs to go faster

A fully automated solution does not require operators to stop, scan, and drive, so the process goes faster. Also, more operators can load 1 shipment together.

You deal with demanding clients

ZetesMedea Dock Door Control helps avoid costly shipping errors and gives visual proof of shipment.



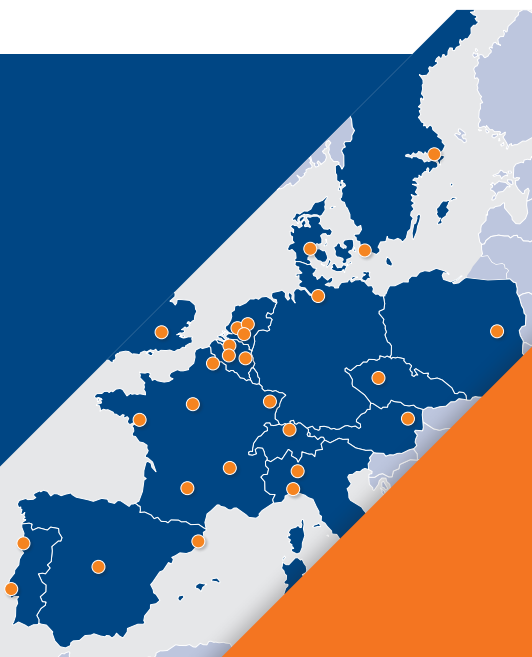
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Standard module, solid integration

- ▶ ZetesMedea dock door loading verification is a standard module of the ZetesMedea logistics execution suite
- ▶ Plug-in for any WMS/ERP, including SAP

Let's get in touch

There is always a Zetes office close to you. Check out our international network at www.zetes.com



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