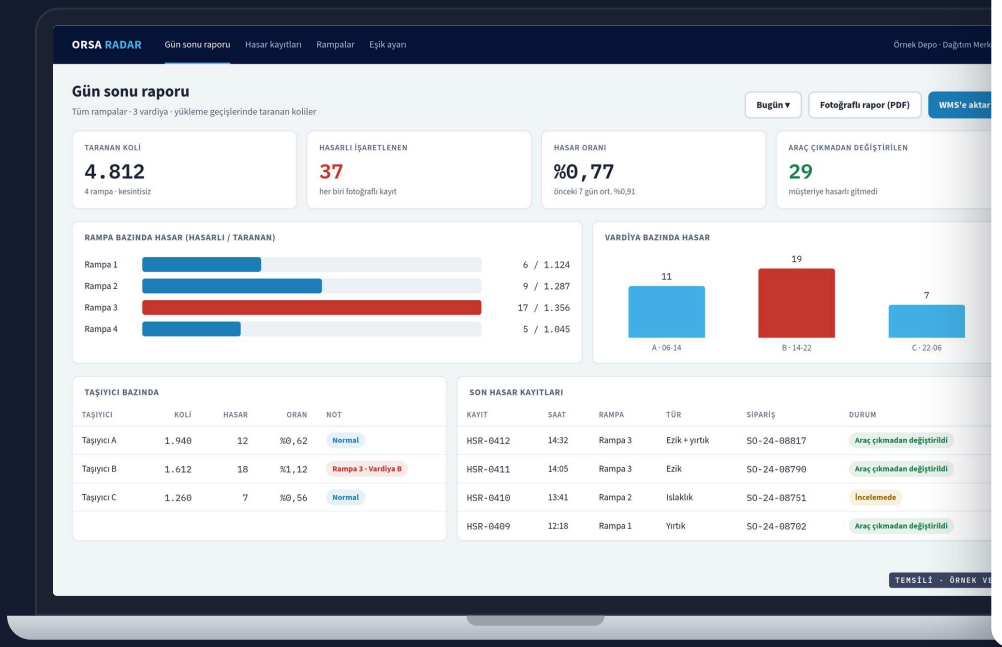
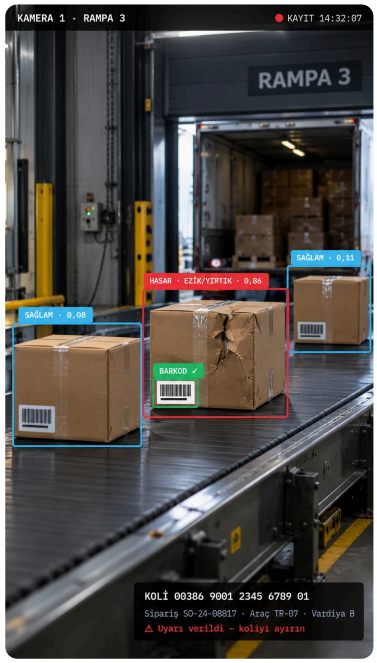
Orsa Radar

An inspection system that **catches damaged parcels on camera** during loading and records photo evidence

FOR WAREHOUSES, DISTRIBUTION CENTERS AND LOGISTICS

1 See · 2 Flag · 3 Match · 4 Prove · 5 Report



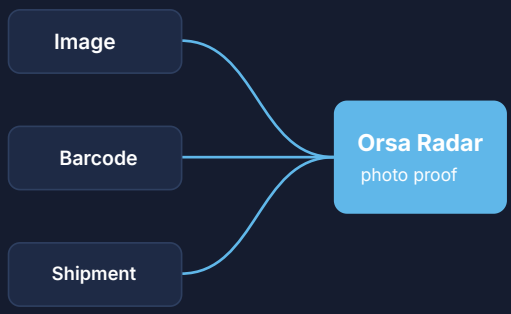


CAMERA FRAME · DOCK 3

THE PROMISE

Don't argue where the damage occurred. Show it.

When a customer reports damage, the question is always the same: did it leave the warehouse like this, or happen in transit? Most sites can't answer today. Orsa Radar records it at loading.



BENEFITS

What does Orsa Radar change?

Because eyes get tired. Cameras don't.

01 No stopping to look
As parcels pass the dock, the camera inspects every frame. Loading speed holds, and operators need no extra checks.

02 No need to teach each damage type
The system is shown only intact parcel images; crushed, torn, wet and burst cartons are caught as deviations. No separate samples per damage type.

03 Photo evidence goes on record
An image is stored for every flagged parcel. In carrier and insurance talks, "it left us intact" becomes documented fact.

04 Every parcel is tied to its order
The barcode is read in the same frame; the damage record matches the order and parcel number. No hunting for the shipment later.

05 Damage cost becomes a number
Losses discussed today as anecdotes become measurable by shift, dock and carrier. Root causes are found with data, not guesswork.

KEY DIFFERENCES

Six core features

- **Live** — Detected as it passes
- **Photo** — Visual proof per record
- **Barcode** — Matched to the order
- **Zebra Aurora** — Machine vision
- **Per dock** — Shift and door reports
- **Browser** — No install required

HOW IT WORKS

How it works — four steps

1

Capture

A fixed industrial camera and lighting are installed at the dock or door. Images are taken as parcels pass by conveyor or forklift; loading flow is unchanged.

2

Detect

Zebra Aurora vision software compares each parcel to intact samples. Parcels over the threshold are flagged; the threshold is tuned per site.

3

Matching

The parcel barcode is read in the same frame. The damage record joins order, parcel and shipment data; the loaded vehicle is logged too.

4

Proof & report

A light or sound alert fires for each flagged parcel and the image is stored. At day's end, the damaged parcel list, photos and dock-shift breakdown are reported.

Setup is site-specific: camera position, lighting and belt speed are set in the survey. The system can send damage records to WMS and ERP.

COMPARISON

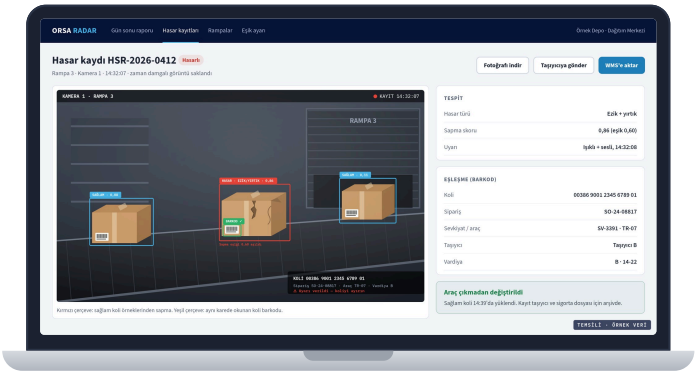
Versus visual inspection

	Visual inspection	With Orsa Radar
Scope	Sampling, a few parcels	✓ **Every parcel**
Consistency	Varies by shift and person	✓ **Same threshold on every shift**
Throughput	Checks slow down loading	✓ **In-line, no slowdown**
Proof	None; verbal only	✓ **Time-stamped photo**
Matching	Order tracked down later	✓ **Instant barcode match**
Data	Damage rate unknown	✓ **Counts by dock, shift and carrier**
Night shift	Attention fades, misses rise	✓ **Same accuracy under lighting**

ON SCREEN

See each damage record with its shipment.

The parcel photo is kept in one record with barcode, order and parcel number, dock and time.



IN THE FIELD

What Orsa Radar fixes on site

Carrier disputes

When a damaged delivery is reported, the photo taken at loading is pulled up. Liability debates move from claim vs. claim to the record.

Insurance claims

Damage record, time stamp and image are stored together. Reduces the risk of claim delays caused by missing documents.

Customer complaint root cause

If damage recurs on shipments to the same customer, the report shows which dock, which shift and which carrier.

Packaging calls

If a product group shows a high damage rate, weak packaging is proven in numbers. Carton quality decisions rest on data, not gut feel.

Shift performance

If loading damage varies by shift, training needs become visible. The metric targets the process, not the person.

Catch before return

If a damaged parcel is caught before the truck leaves, an intact one replaces it. Helps reduce the risk of returns, reshipment and unhappy customers.

ORSA RADAR

System features

01 Live alert
Light and sound alert for each flagged parcel.

02 Visual proof
A photo in every record, with time and dock.

03 Barcode matching
Damage record linked to order and parcel number.

04 Thresholds
Sensitivity calibrated per site.

05 Daily report
Damaged parcel list, photos, breakdown.

06 Dock and shift
Which door, which shift; root cause analysis.

07 Archive
Searchable throughout the retention period.

08 Integration
Damage records sent to WMS and ERP.



DETECTED DAMAGE

SETUP

Three keys to the right setup

Camera position and lighting

Detection depends on image quality. Camera angle, distance and light are measured in the site survey; shadows and glare are removed from the start.

Enough good samples

The system learns normal first. At rollout, enough intact images are taken from the site's own parcels; no generic model is imposed.

Threshold tuned on site

Too tight a threshold causes false alarms; too loose misses damage. Measured and balanced with your team in the pilot.

ROLLOUT

Rollout in three phases

1

Survey

Dock walk, parcel types, belt speed, light measurement. Camera and hardware are chosen here.

2

Pilot

Setup on one dock. Intact samples collected, threshold tuned, detection rate measured.

3

Scale-out

Expansion to other docks, WMS link, team training and handover.

> **Pricing is per project: hardware (camera, lighting, installation) + software license + rollout.**
> Firm quote after the site survey.

PILOT

See it on one dock.

Pick a dock. We install the camera, monitor passing parcels for two weeks and review the damage we catch together. Decide based on images of your own parcels.

Request a pilot

www.orsaaidc.com

OrsaAI-DC
ACCURATE DATA. CLEAR DIRECTION.

PHONE
+90 216 222 21 26

WEB
www.orsaaidc.com

EMAIL
info@orsaaidc.com

ADDRESS
Barbaros Mah. Halk Cad.
Palladium Residence A Blok
No: 8 A/3, Ataşehir / İstanbul