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**Track anything, anywhere.**  
**From a single camera.**

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**Plug and play computer vision software for smart logistics.**

[www.allread.ai](http://www.allread.ai)

✉ [info@allread.ai](mailto:info@allread.ai) ☎ +34 932 20 36 99

# • Key Facts About Us



## **BASED IN BARCELONA**

*Technological Hub.*



## **ACTIVE IN 6 COUNTRIES**

*Spain, France, Italy, Portugal, Brazil, Mexico*



## **PROTECTED TECHNOLOGY**

*Benelux Office of Intellectual Property (BOIP).*



## **19 EMPLOYEES**

*With highly-specialized Computer Vision & Deep Learning Engineers.*



## **OUR PARTNERS**





# • The Problem



Text, Codes and Symbols  
are **omnipresent** in increasingly fast and complex  
supply chains.

# • Ineffective Data Capture Solutions



**Accuracy  
limitations**



**High hardware  
costs**



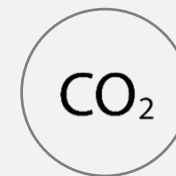
**Inefficiencies**



97% of logistic  
Platforms  
not automated



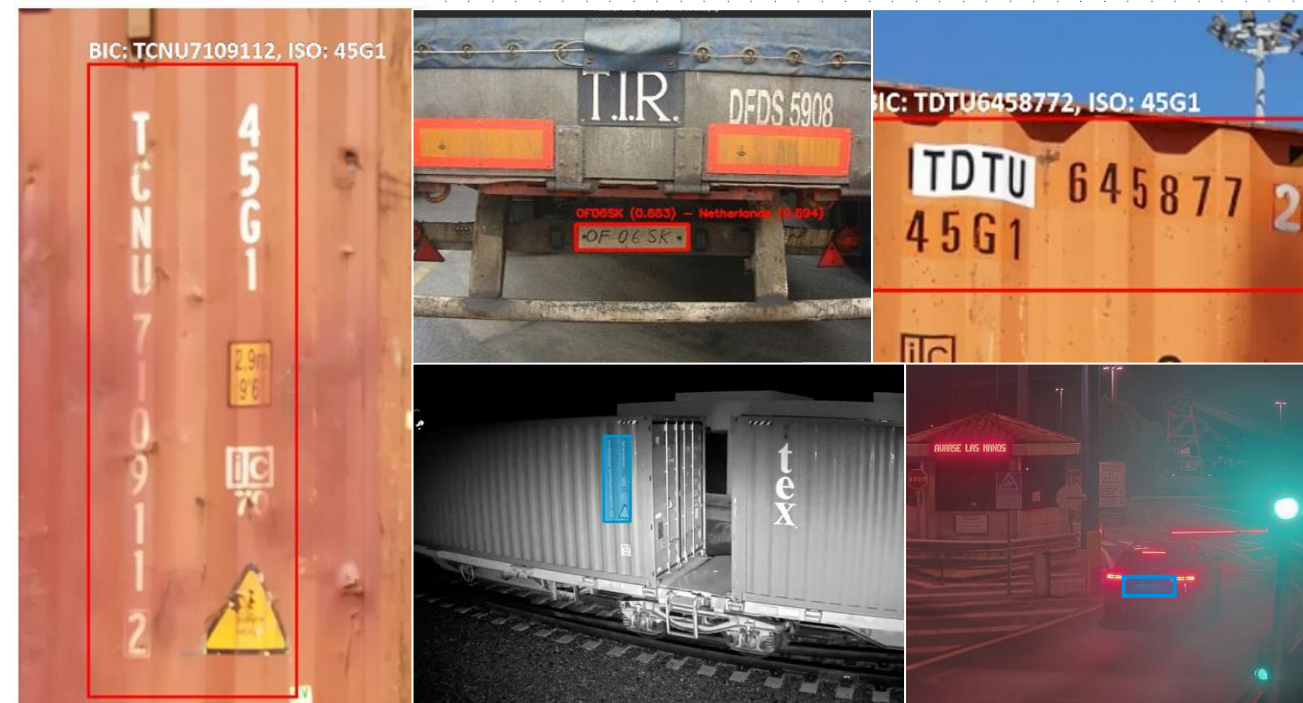
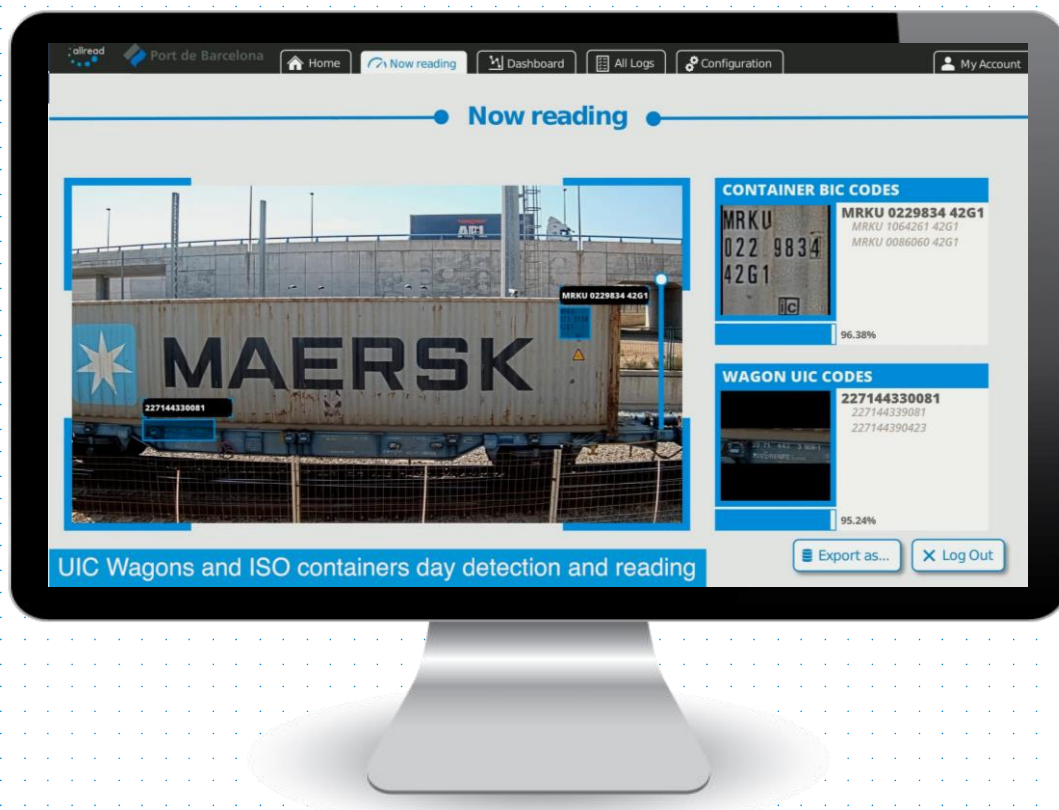
Bottlenecks in EU  
freight network:  
**4 bn € / year**



Truck Latencies  
in EU ports:  
**247.777 TCO<sub>2</sub> / year**



# • AllRead Automatic Reading Software



The next generation of Deep Learning based  
OCR software for freight assets.



Track anything



Anywhere



Using your existing infrastructure

Unique Deep Learning models  
Tailored to read In the Wild



*Protected technology. Benelux Office  
of Intellectual Property (BOIP).*

*+5 years of scientific investigation*

# Impact



Increased  
ROI  
of tracking  
solutions



60% to 80% lower  
aquisition and  
maintenance costs



Up to 60% increase  
in operational efficiency



Traffic fluidity:  
reduced CO2  
emissions



# • Reading and Detection Modules



BIC Containers



ILU Containers



Tankers



Vehicle Type



Seals



UIC Wagons



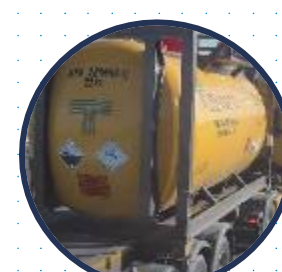
Licence Plates



Counting



Wagon Separator



ADR



Documents



Load detection



Direction

*New features to come: Damage detection, presence detection...*

*Ask for a customized reader!*

# Success Cases





# Barcelona Port

*BIC & ISO containers*

*UIC Wagon codes*

*Wagon separation and direction*



Reduced 1 hour of manual data collection for each train arrival.



Consolidated file of each container and its position on each wagon.



95%-99% precision levels for the mapping of the train, even in night reading.



Minimal infrastructure: two cameras connected to the cloud server.

The screenshot displays the user interface of the Barcelona Port SaaS Cloud system. At the top, a navigation bar includes links for Home, Now reading (active), Dashboard, All Logs, Configuration, and My Account. The main content area features a large image of a train at night with a 'Now reading' status indicator. To the right of the image, a 'Container ID' overlay shows the following information:

Container ID	
MRKU 5030927 45G1	
CSNU 7322605 45G1	
FFAU 3230479 45G1	
CSNU 7058940 45G1	
FFAU 3230714 45G1	

Below the container ID list, a 'Confidence level:' bar shows a value of 85.02%. At the bottom right, there are buttons for 'Export as...' and 'Log Out'.

«The only manner to make Rail transport grow is to make the system more efficient and with lower costs, which ultimately would lower CO2 emissions.»

**Quim Compte, Head of Operations at Barcelona Port**

# Bilbao Port



*Licence plates*  
*Container codes*  
*ADR and Vehicle Type*



4 different data points extracted simultaneously.



Highest accuracy, above industry benchmarks.



Process acceleration, less bottlenecks.



No impact on existing infrastructure.

The screenshot displays the 'allread' software interface for Bilbao Port. The top navigation bar includes 'Home', 'Now reading', 'Dashboard', 'All Logs', 'Configuration', and 'My Account'. The main content area is titled 'Now reading' and features a central video feed of a truck at a port gate. To the right of the video, there are two panels: 'CONTAINER BIC CODES' showing 'MSKU 7885420 22G1' with a 96.88% accuracy bar, and 'LICENSE PLATES' showing '9165HWC' with an 80.04% accuracy bar. At the bottom right, there are buttons for 'Export as...' and 'Log Out'.

«The results of the software show accuracy levels above the industry OCR standards.»

**Iñigo Imaz Larrinaga, Head of IT**



On Premise

# Leixões Port | APDL

BIC Containers  
Tank containers  
ILU trailers



Containers passing at a speed of up to 60 km/hour on highways and railways



High speed caption and processing.



Simple and agile implementation.



Real-time integrations in APDL's systems.



*Equal accuracy than pre-installed legacy player  
with 1 versus 4 cameras.*

The screenshot displays the 'allread' web application interface. At the top, there's a navigation bar with links for Home, Now reading, Dashboard, All Logs, Configuration, and My Account. The 'Now reading' section is active, showing a live video feed of a truck with a container. To the right of the video, a 'Container ID' box displays the following information:

Container ID	
DHOU 1441123 22K2	
TRHU 2048002 22G1	
TEMU 1762670 22G1	
TLLU 1272165 42U1	
TCLU 5795314 45G1	

Below the container ID, a 'Confidence level' bar shows a value of 90.38%. At the bottom right, there are buttons for 'Export as...' and 'Log Out'.

On Premise

# Naviland

## *Trailer load status.*



Detects presence or absence of seals.



Improves security processes and control of exits.



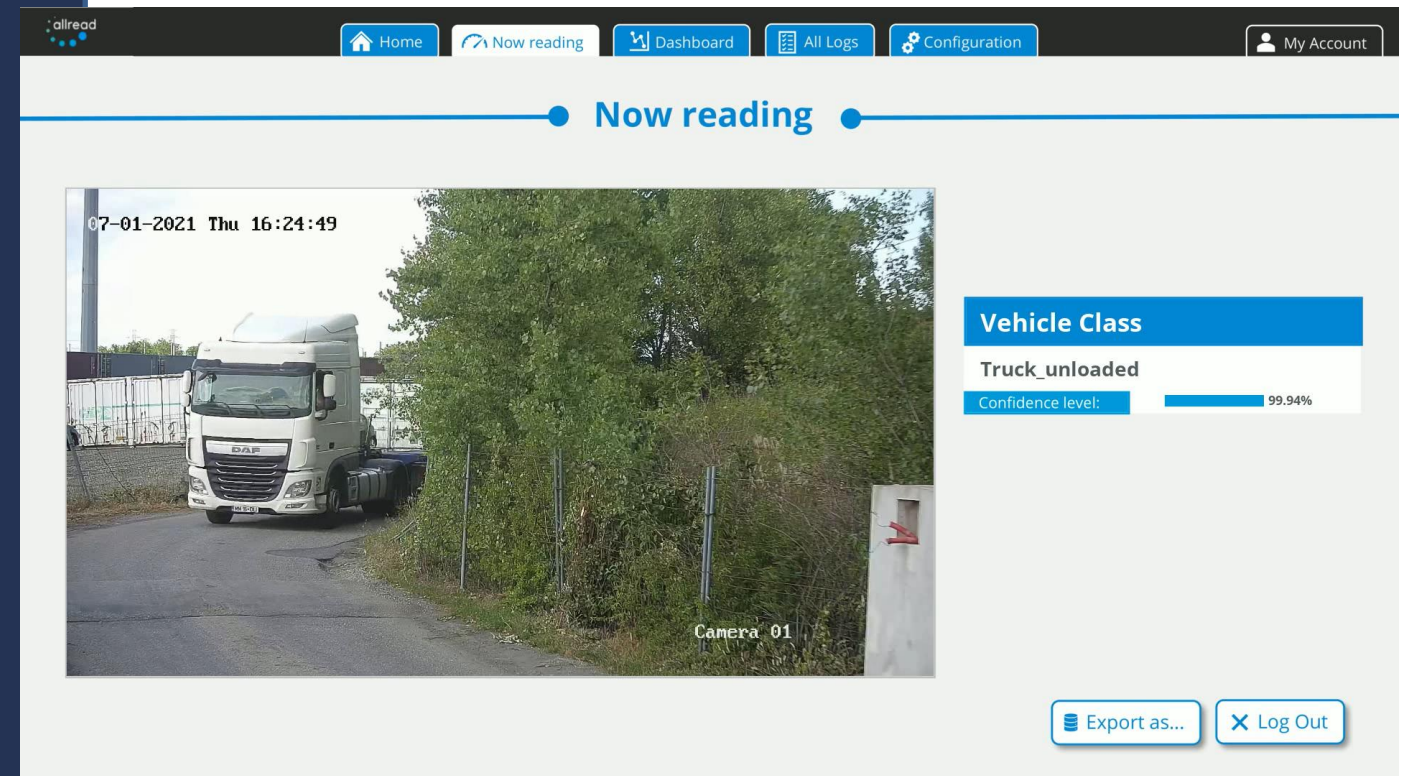
No need for manual verification.



Avoids cargo handling errors and associated costs.



*Automatic control of cargo on trailers.*





# Now Reading



Front Camera



Rear Camera



Jetson Nano



VDC Cloud

## License Plate

Reading

7984KHJ

Confidence level

84.95 %

Timestamp

2021-09-14 12:18:46.414899

## Trailer

Reading

R7527BBW

Confidence level

98.89 %

Timestamp

2021-09-14 12:18:46.414922

## Container

Reading

MSKU0320340\_45G1

14124	4149HYM	0.950	LicensePlate	2021-11-30T17:12:20.259771	FRONT	4149HYM	NANO	0.340	0.002	<a href="#">View</a>
37	A85151	0.108	LicensePlate	2021-12-02T17:12:20.191929	FRONT	A85151	NANO	0.308	0.020	<a href="#">View</a>
51	DZ170DR	0.533	LicensePlate	2021-12-03T17:12:20.205435	FRONT	DZ170DR	NANO	0.278	0.020	<a href="#">View</a>
14117	8539JKD	0.970	LicensePlate	2021-12-03T17:12:20.243941	FRONT	8539JKD	NANO	0.830	0.002	<a href="#">View</a>
253	TLLU2807338	0.803	Container	2021-12-04T17:12:20.229814	FRONT	TLLU2807338	NANO	0.693	0.020	<a href="#">View</a>
1	BL345DP	0.770	LicensePlate	2021-12-05T17:12:20.175676	FRONT	BL345DP	NANO	0.639	0.020	<a href="#">View</a>
35	773A7S	0.123	LicensePlate	2021-12-05T17:12:20.189833	FRONT	773A7S	NANO	0.384	0.020	<a href="#">View</a>
14116	TRUCK	0.752	VehicleClassification	2021-12-05T17:12:20.241969	REAR	7984KHJ	NANO	0.950	0.001	<a href="#">View</a>
185	MEDU9815075	0.633	Container	2021-12-07T17:12:20.219991	FRONT	MEDU9815075	NANO	0.694	0.020	<a href="#">View</a>



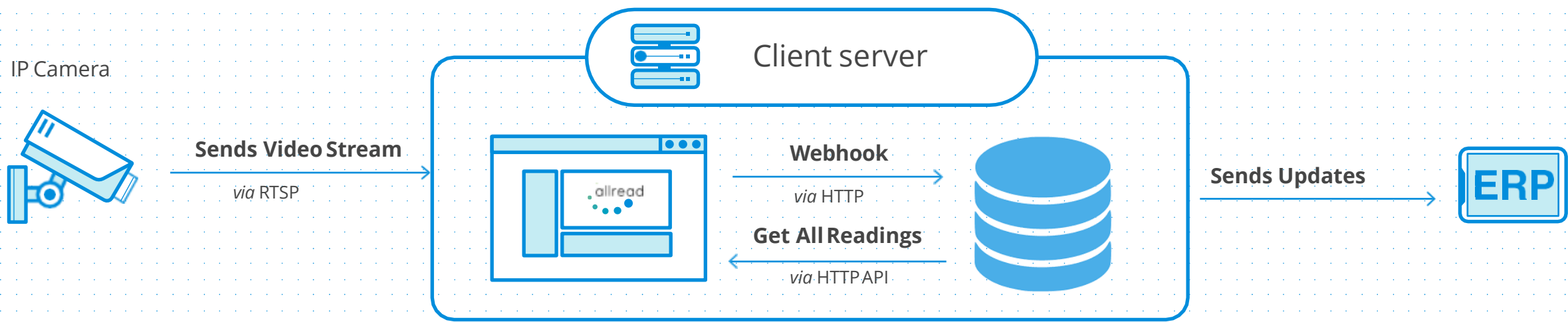
## Image Visualizer



Close

14124	4149HYM	0.950	LicensePlate	2021-11-05T17:12:20.175676	FRONT	4149HYM	NANO	0.340	0.002	<a href="#">View</a>
37	A85151	0.108	LicensePlate	2021-11-05T17:12:20.189833	FRONT	A85151	NANO	0.308	0.020	<a href="#">View</a>
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# • On Premise Integration *via API*



## Connect your Camera

Starting with  
1 IP camera installed.

## Prepare your server

Virtual machine  
& Endpoint

## Install

Configure your reading  
outputs (CSV/JSON).

## Integrate

Receive the Data right in your  
ERP or TOS.

**More info at:** [www.allread.ai/integration](http://www.allread.ai/integration)



# • Integration modes

## SaaS Cloud

### Monthly Subscription

Desktop and Mobile.

- ✓ Processing on our servers.
- ✓ Input sources: images and video recordings.
- ✓ Windows, Linux, Android.
- ✓ API integration.
- ✓ Export files format: CSV, XLS, JSON.
- ✓ Customer Service (email, phone, video call).
- ✓ Automatic, real-time updates.

## On Premise

### Yearly License

Desktop.

- ✓ Processing on client servers (Windows, Linux).
- ✓ Input sources: images, video recordings and video streams.
- ✓ Windows OS, Linux.
- ✓ API integration.
- ✓ Project Management (setup, kick off report, planning and training).
- ✓ Export files format: CSV, XLS, JSON.
- ✓ Customer Service (email, phone, video call).
- ✓ Automatic, real-time updates.

## On Device | SDK

### Yearly License

Mobile.

- ✓ Processing on device.
- ✓ Input sources: images.
- ✓ Android OS.
- ✓ SDK integration.
- ✓ Export files format: JSON.
- ✓ Customer Service (email, phone, video call).
- ✓ Periodic maintenance and updates.

**More info at:** [www.allread.ai/pricing](http://www.allread.ai/pricing)

# They Trust Us



Port de Barcelona



ALICANTE PORT

Autoridad Portuaria de Alicante







# Adriaan Landman

COO

✉ [adriaan@allread.ai](mailto:adriaan@allread.ai)

☎ +34 932 20 36 99

📱 +34 640 24 64 26

🌐 [www.allread.ai](http://www.allread.ai)

in [/adriaan-landman](https://www.linkedin.com/company/allread-ai/)