

# AUTOMATE YOUR WAREHOUSE INVENTORY **WITH DRONES**



eyesee



## ABOUT US



*"With EYESEE, our ultimate goal is to offer an inventory solution that is easy to use and accessible to everyone, in all contexts, in order to optimize the efficiency and well-being of your teams.*

***We're convinced that the combination of technology and people is the key to overcoming the challenge of perfect inventory knowledge.***

*That's why we're always looking for ways to make our offer accessible to all our customers.*

*The purpose of this brochure is to introduce you to the range of these methods and the benefits of EYESEE.*

*Enjoy reading and thank you for your trust!"*

Eric Pierrel,  
**CEO Darwin Drones**

### Who are we?

Founded in 2021 and based in Grenoble, Darwin Drones specializes in the development and commercialisation of automation solutions for industrial logistics. Darwin Drones also offers a range of related services. The company is dedicated to the marketing, support and software development of the EYESEE solution for the logistics market in France and internationally.

### What we do

The EYESEE inventory solution meets the needs of logisticians throughout the supply chain. EYESEE is an automated drone-based warehouse inventory solution.

It can read all 1D and 2D codes in pallet racks up to 10 metres high. It significantly increases the safety and frequency of inventory, reducing the cost, time, risk and environmental impact of these activities.

### Our mission

Our mission is to help our customers validate and demonstrate the true state of their inventory in the simplest and most effective way possible, while optimising the quality of storage and improving the safety and comfort of the people performing these checks.

### Our vision

We believe that the future of logistics as a whole lies in modernizing it through automation and intelligent warehouse management for the benefit of people and the environment. We offer reliable technological solutions and the resilience to meet tomorrow's challenges.

With the growth of e-commerce and the resultant increase in the volume of goods, logistics warehouses are facing a number of challenges: the flow and movement of goods is increasing at an even faster rate, making stock control more difficult and reducing the overall efficiency of the warehouse.

Every year, logistics warehouses are required to carry out at least one fiscal inventory in order to file their annual accounts. A real headache for some, stocktaking can quickly become a tedious exercise:

- ✗ It is difficult to know the level of accuracy of WMS inventory data.
- ✗ Many human errors, oversights and lack of process knowledge contribute to a deterioration in the accuracy of inventory data.
- ✗ **While smaller warehouses may only need one day to conduct an inventory, employees may be busy for more than a week, requiring a lot of resources (rental of aerial platforms, forklifts, etc.).**
- ✗ In this case, it is often necessary to interrupt the logistical activity because it is difficult to carry out an inventory.
- ✗ In the case of cycle counting inventory, one or more full-time employees can be exclusively dedicated to inventory throughout the year.



### **INVENTORY AUTOMATION: A NEW WAY TO ENSURE OPERATIONAL EFFICIENCY**

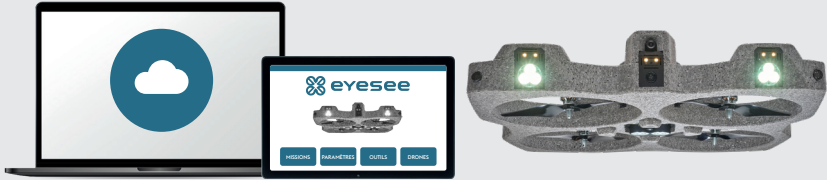
Modern technologies have emerged to address inventory management issues. In particular, drones offer a solution to the problems mentioned above:

- ✓ They guarantee a high level of data accuracy to ensure stock accuracy.
- ✓ Some models can be used in coactivity, without the need to stop logistics activities.
- ✓ They optimize stocktaking times by up to 10 times.
- ✓ They help reduce the risk of workplace accidents.
- ✓ Different technological solutions are available, ranging from lightweight and infrastructure-free to heavyweight and integrated into the warehouse.

**To ensure this operational excellence, we have developed EYESEE, the automated drone inventory solution.**

# THE EYESEE SOLUTION

## EYESEE IS A DRONE-BASED INVENTORY SOLUTION FOR LOGISTICS AND INDUSTRIAL WAREHOUSES



### EYESEE CLOUD

Administration, management and data export software  
+  
A 2D digital twin of the aisles.

### EYESEE APP

An Android application for inventory monitoring.  
+

### EYESEE DRONE PACK

An autonomous drone with 1D and 2D code reader and HD camera  
+  
Its own equipment.

### Increase the efficiency of your inventory activities by a factor of 10



Scan a location every 7 seconds, compared to 70 to 90 seconds manually.



### Reduce material, human and financial resources

A single person can carry out the inventory without the need for an aerial platform or forklift.

### Reliable inventory thanks to the logistics drone



Accurate inventory data to anticipate stock-outs.



### Keep employees active during inventory

Work alongside warehouse staff without interrupting their activities.

### Improve safety with an inventory drone



Reduce the risks of working at height during stocktaking operations.



### Increase customer satisfaction

Reliable inventory enables you to ensure that orders are fulfilled on time.

# COMBINING HARDWARE AND SOFTWARE FOR OPERATIONAL EXCELLENCE



**EYESEE is an autonomous inventory drone solution for logistics and industrial warehouses.**

It is designed to read all 1D & 2D codes (GS1 & Custom standards) from a few centimeters to over 10 meters in height.

It allows you to increase the frequency of inventory counts and reduce the costs, time and risks associated with their implementation.

**It's an easy solution to implement:**

- ✓ No warehouse modifications required
- ✓ No additional infrastructure required
- ✓ Compatible with any WMS or ERP system
- ✓ No piloting skills required



# THE ULTIMATE EXTENSION TO CONTROL YOUR WMS DATA AND MANAGE YOUR INVENTORY ACTIVITIES

## A 100% MASTERED CLOUD SOLUTION...



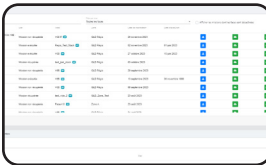
- ✓ Automatic & scalable updates
- ✓ A robust, fast and high performance solution
- ✓ LDAP-compliant secured authentication
- ✓ Easy to set up and configure
- ✓ Compatible with all WMS

## ...DESIGNED BY AND FOR LOGISTICS PROFESSIONALS



### 2D digital twin of warehouse racks

Create a map of your aisles that is 100% customisable to fit your dimensions and flight constraints.



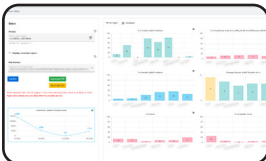
### Inventory mission management

Create, manage and monitor all your missions from the management dashboard.



### Points Of Interest management

With just a few clicks, visualize any anomalies or Points Of Interest detected during your missions (damaged supporting beam, broken pallets, defective labels, etc.).



### Data reconciliation

Analyze and compare all observed discrepancies, enhanced with time-stamped and geotagged HD photos.

### Automated reporting

Access the customized dashboard to measure the progress of inventory missions, find out the exact status of empties/fulls and discrepancies with WMS data. Export a full customized report.



EYESEE, TO ADDRESS EVERYONE'S OPERATIONAL NEEDS

Role	Objectives	Advantages of the EYESEE solution
Site Manager/ Operations Manager	<ul style="list-style-type: none"><li>› Ensure business continuity and increase customer satisfaction.</li></ul>	<ul style="list-style-type: none"><li>› No interruption of operations.</li><li>› Improve workplace safety.</li></ul>
Financial Director	<ul style="list-style-type: none"><li>› Provide relevant financial metrics.</li><li>› Ensure financial performance of the business.</li></ul>	<ul style="list-style-type: none"><li>› 100% accuracy of scanned data (no human error).</li><li>› Verify WMS data quality.</li><li>› Simplify financial reporting.</li></ul>
Logistics Manager	<ul style="list-style-type: none"><li>› Ensure continuity of operational logistics activities.</li></ul>	<ul style="list-style-type: none"><li>› Reduced resources allocated to inventory (equipment and time).</li><li>› Simplified preparation and processing of inventory data.</li><li>› More time for order processing.</li></ul>

SECTORS OF ACTIVITY



FMCG



Retail



Healthcare



Beauty



Automotive



Others

TYPES OF STOCK KEEPING UNITS



- ✓ IBC container
- ✓ Pallet
- ✓ Household appliances and furniture
- ✓ Big Roll
- ✓ Big Bag
- ✓ Pallet Box
- ✓ Others



## THEY TRUST US



*Benefits for GKN Automotive fall into four categories: human, organizational, economic, and technical. We have reduced our risks related to working at heights with much greater safety and ergonomics.*

**Cécile Le MEUR-CARRILHO**  
Supply chain manager, GKN Automotive



*Inventory by drone is an innovative and very efficient digital solution. Besides avoiding business interruption, the drone offers increased reliability of the stock status in real time. The goal now is to deploy the solution to all of our sites throughout France.*

**Maxime Vincendeau**  
Projects and Innovation Manager, Le Roy Logistique



## AND AMONG OUR CUSTOMERS



# CHOOSING THE RIGHT TYPE OF INVENTORY FOR YOUR BUSINESS



Effective inventory management is an essential pillar of the supply chain and has a direct impact on the profitability and efficiency of operations. At the heart of this management is the obligation to carry out an annual inventory, in order to demonstrate, from a fiscal point of view, the accuracy of the assessment of the value of the company's assets and liabilities. In addition to

this legal requirement, the inventory helps to improve the quality of the inventory data and therefore of the company's operations.

**How to choose between the two most common types of inventories: annual fiscal inventory or cycle counting?**

## Annual fiscal inventory

The annual inventory is carried out once a year, often close to the balance sheet date. It involves taking inventory of all stocks in a warehouse on a single occasion. It is the traditional inventory method.

## Cycle counting

Cycle counting allows partial inventories to be taken throughout the year. It can also ensure the continuity of logistics activities. It requires annual planning and contributes significantly to improve the efficiency of the logistics warehouse and customer satisfaction.

	Annual inventory	Cycle counting
Methods used	<ul style="list-style-type: none"><li>› Only one inventory per year.</li><li>› Control of all references.</li><li>› A single annual plan.</li><li>› Suitable for small warehouses.</li></ul>	<ul style="list-style-type: none"><li>› Supports or replaces the annual inventory.</li><li>› Several partial or full inventories during the year.</li><li>› No business interruption or short, partial interruptions.</li><li>› Improved inventory accuracy.</li><li>› Detects and corrects errors throughout the year.</li><li>› Monitoring of stock levels.</li></ul>
Limitations	<ul style="list-style-type: none"><li>› Does not allow the quality of inventory data to be improved throughout the year.</li><li>› Often requires complete shutdown for several days.</li><li>› Significant financial costs (overtime, recovery, aerial platforms rental, downtime costs).</li></ul>	<ul style="list-style-type: none"><li>› Requires the implementation of internal processes.</li><li>› May require the allocation of dedicated resources for the year to complete the inventory.</li><li>› Validation of the inventory by an auditor.</li></ul>

# VALIDATION OF THE CYCLE COUNTING PROCESS BY AUDITORS: THE BENEFITS OF EYESEE

In order to replace the annual fiscal inventory with cycle counting, logistics managers must have their processes validated by an auditor who will ensure that the data submitted is compliant.

**THEY HAVE AUDITED  
OUR CUSTOMERS**



The EYESEE solution meets the evaluated criteria such as

**TRACEABILITY**

Time-stamped and geolocated HD photos of the inventory. Quick overview of aisles compliance.

**AVAILABILITY**

24/7 access to data via the Cloud.

**RELIABILITY**

100% accuracy of scanned data.  
Tool independent of any WMS: double check.

## THEY'VE SWITCHED TO CYCLE COUNTING INVENTORY THANKS TO EYESEE



*The solution will avoid shutting down the facility for 3 days to perform the annual inventory and allow us to offer a better service to our customers during this period.*

Guillaume Bosselin  
Head of Central Logistics, L'Oréal



**PEPSICO**



**I MOVE TO CYCLE COUNT INVENTORY!**













And I would like to consult the EYESEE teams

**SCAN THE QR CODE**

<https://www.eyesee-drone.com/inventory-service/>

# THE EYESEE SOLUTION: A PACKAGE TAILORED TO YOUR NEEDS

**WHATEVER YOUR INVENTORY METHOD, EYESEE HAS THE RIGHT SOLUTION TO MEET YOUR NEEDS.**

In-house Drone (purchase or long-term rental)	All inclusive inventory service
 Unlimited use of drones in your warehouses	 Fixed price service based on number of slots
 Includes training, service and support to enable your teams to use the drone independently	 100% turnkey: mapping, EYESEE implementation, customized report. 0 constraints, EYESEE takes care of everything
 No interruption of logistics activities	 Shorter interruption of logistic activities
 100% reliability of data collected	 100% reliability of data scanned by a trusted third party
 Improve the skills of your team without the need of a pilot licence	 Express inventory (carried out in a single day)
 Control the cost of your material and human resources	 Controlled costs: material and human resources included in the service

## ELIGIBILITY CRITERIA

**FOR MAXIMUM EFFICIENCY, WAREHOUSES MUST MEET CERTAIN REQUIREMENTS TO ENSURE COMPATIBILITY WITH EYESEE.**



### Optimal eligibility criteria

- ✓ Stock keeping units : pallets
- ✓ Storage : racks
- ✓ Scanned code: 1D, 2D (ideal : GS1 standard)
- ✓ Temperature > 0°C
- ✓ Aisle height ≤ 15 meters
- ✓ Aisle width ≥ 180 cm
- ✓ 1 code (or more) to be scanned per pallet (no counting)

**NB: EYESEE is not concerned by European drone flight regulations as it flies indoors and does not enter the airspace.**

### IS MY WAREHOUSE ELIGIBLE?

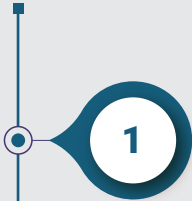


### SCAN THE QR CODE

Take the free online test!

<https://www.eyesee-drone.com/check-your-eligibility/>

# EYESEE IN YOUR WAREHOUSE!



SCAN THE  
QR CODE



An EYESEE operator will  
get in touch with you.

Test the eligibility of your logistics site  
Fill in the form on the EYESEE website :  
<https://www.eyesee-drone.com/check-your-eligibility/>



## Request a live demonstration in your warehouse

Your warehouse is eligible. The EYESEE teams will perform a flight demonstration directly in your warehouse by scanning your codes and comparing them with your WMS data.



## Choose the package that's right for you

Whether you're looking for a long-term rental, a one-off turnkey service or a purchase, you can choose the offer that best suits your needs.



## Deploy EYESEE

Configuring your warehouse, mapping your aisles, training your staff, our team takes everything in charge!



## Congratulations !

The EYESEE drone is now flying  
in your aisles!

## DISCOVER THE FUTURE OF LOGISTICS INVENTORY AND TAKE IT TO THE NEXT LEVEL WITH THE EYESEE SOLUTION



**An inventory**  
up to 10 times  
more effective



**Make your inventory data  
more reliable :**  
100% accuracy of scanned data



**No interruption of  
logistics activity :**  
an inventory that is 100%  
compatible with co-activity

### A SUSTAINABLE SOLUTION DESIGNED TO ENSURE THE SAFETY OF BOTH INDIVIDUALS AND THE ENVIRONMENT.

The EYESEE drone inventory solution is not only more efficient and safer for your teams, but it also helps logisticians to reduce the social and environmental impact of their inventory activities.



- ✓ **Reduce the drudgery of repetitive tasks:**  
Neck strain, visual acuity.
- ✓ **Fewer work-related accidents at height**  
(use of aerial platforms).
- ✓ **Up to 4 times less energy consumption**  
than traditional inventory methods.
- ✓ **Reduced use of fossil fuels for road transport.**
- ✓ **Reduced greenhouse gas emissions.**

**WANT TO KNOW MORE ABOUT  
THE SOLUTION?**



**SCAN THE QR CODE**

Schedule a meeting with a specialist

Marian Le Calvez

VP Sales & Customer Success

Darwin Drones







**REQUEST ADDITIONAL INFORMATION**

**SCAN THE QR CODE**



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