

case history



Company name

GRUPPO EUROVO

Product sector

Food production

employees

1,500 in Europe

website

www.eurovo.com

Replica Sistemi Solutions

- EasYard
- Automatic License Plate Recognition Camera
- Registration Interactive terminal
- Weighing Interactive terminal

EUROVO

Automated planning and control of vehicles, goods and people

Operating in the agribusiness supply chain entails countless responsibilities such as, first and foremost, health and consumer protection.

The Eurovo Group's goal is to create products that are innovative, sustainable, and above all, nutritious. The search for a yard management system for the Eurovo Group was aimed at optimizing yard flows with warehouse activities, better planning of arrivals to reduce driver waiting times, and improving the planning of freight pickups and arrivals at the plant.

ReplicaSistemi

ZUCCHETTI GROUP

case history

Customer needs

The search for a yard management system for the Eurovo Group was aimed at optimizing yard flows with warehouse activities, better arrival planning to reduce driver waiting times, and improve the scheduling of freight pickups and plant arrivals.

GOALS

The main goals were

- increased performance;
- reduction of drivers' stopover times;
- Real-time communication between all stakeholders in the arrival of a vehicle;
- vehicle tracking;
- control of all incoming vehicles, people and goods - weighing - stopping and leaving plants;
- independence from human resources.

ISSUES

The main problems in managing entrances were

- high number of vehicles parked in the yards (long waiting times for loading/unloading)
- difficulty in communicating the arrival of a vehicle between gatehouse - drivers - plant
- non-Italian drivers;
- traceability of trips made by vehicles prior to arrival at Eurovo to track any "contamination" in case of product failure.

Why Replica Sistemi?

The reply of **Alessandro Capatti**
Laboratory Manager Eurovo Group
Liquid Ovoproduct Quality Coordinator
(Occhiobello plant)

"The choice of an automated management system landed on EasYard because Replica Sistemi is part of the Zucchetti Group. Among the features that convinced us: the software's ease of use and its ability to adapt to the Group's needs."

The Project

Thanks to the collaboration of Replica Sistemi and Eurovo engineers, all the processes that characterize the Occhiobello plant during vehicle entry, parking, coring, weighing and exit have been mapped.

The activities managed by the Yard Management System are:

Booking

With EasYard, Eurovo assigns the "LOADING VOUCHER" by sending an email to the supplier with the date and time of delivery and QR CODE to present at the interactive terminal at the entrance

Arrival

Arrival of the vehicle in the parking lot outside Eurovo.

The driver gets out of the vehicle and approaches the outdoor Registration terminal to fill in all data

Scan with QR Code (if previously booked from the portal).

Print INPUT TICKET - Eurovo staff sees the driver's arrival on the monitor. The driver picks up the "entry receipt" ticket with a QR Code that will be used for the weigh totem and returns to his vehicle to wait for the core call.

The driver receives an SMS confirming successful registration.

Coring

The analysis laboratory sends via EasYard a text message to the driver to deliver the feed sample for analysis.

case history

The Driver approaches the coring pickup with the vehicle and waits on the truck.

If quality control identifies the product as "SUITABLE," the warehouse displays on the screen that the product is "SUITABLE" and orders the "bay call": the Driver receives the SMS confirmation that the product is "SUITABLE" and receives indications of the gate number at which the vehicle is to dock.

The license plate of the vehicle becomes "ENABLED" at the entrance, and then the driver moves to the entrance barrier at the plant.

Entrance

The driver moves toward the barrier. The camera frames the license plate and the bar opens automatically.

The truck proceeds straight ahead and positions itself on the weighbridge. Staying on the truck, the driver approaches the Weighbridge Totem, scans the QR CODE of the entry ticket, which then recognizes the truck, and receives the weighbridge ticket.

Warehouse

The vehicle moves to the gate indicated by the SMS and is loaded/unloaded.

When finished, the warehouse operator declares "END OF ATTRACTION" and the administration prepares the documents for the vehicle's exit.

Exit

The driver moves to the weighbridge for final weighing.

The driver inserts the QR Code into the terminal and picks up the weighbridge ticket of the exiting vehicle.

The gate attendant hands over all accompanying documents and the vehicle license plate is cleared for exit.

The vehicle exits the plants with raising of the bar.

A recording of the vehicle's exit appears on the screen (visible to all).

Advantages

The EasYard project has achieved:

- planning of reception activities related to loading/unloading of the vehicles by synchronizing them with the warehouse.
- paperless vehicle tracking, eliminating all paper print.
- reduction of vehicle dwell times
- real time visualization of the "status" of the vehicle by all the actors involved, eliminating the time wasted for calling between offices.

EasYard facilitated the management of the yard, allowed real-time mapping of entries and exits and activity in the plant so that any inefficiencies by the carrier or of the process could be identified in real time.

Future

To date, the software has been introduced in the fodder department; the next steps will be to introduce it in all the other areas of the plant, this will allow us to have a customized software to bring to the other plants of the Group.

Replica Sistemi's EasYard software allows us to better meet market challenges in the future as well.