Milesight

Milesight Solution Empowers Smarter Logistics Operations in Spain

📍 Location: Spain

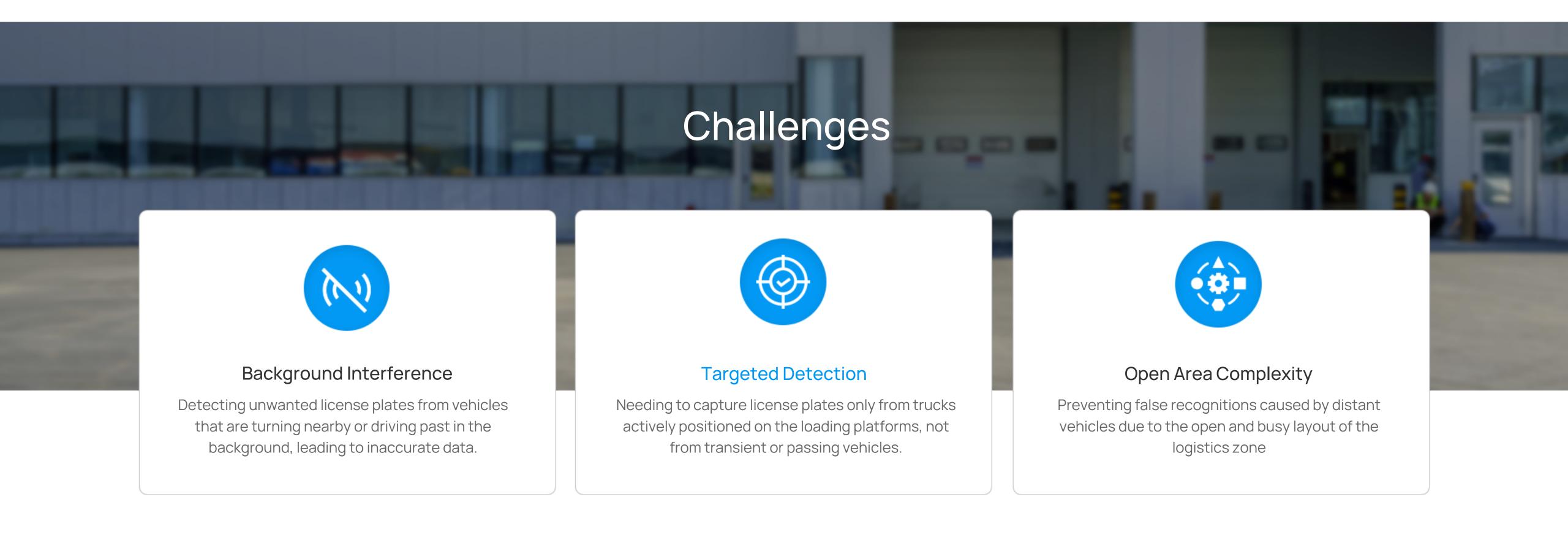| Location	Industry Segment	Related Products	Core Technology
Spain	Parking Management	Entrance & Exit AI LPR Pro Dome Camera →	PlateXpert

Overview

In a large logistics hub in Spain, Milesight's Entrance & Exit AI LPR Pro Dome Cameras were deployed to monitor vehicle activity in the loading zone. Each camera covers two parking spaces on the loading platforms where trucks load and unload goods. The primary goal was to accurately capture license plate information of vehicles actively involved in loading operations, ensuring efficient logistics management and traceability.

Challenges

Background Interference

Detecting unwanted license plates from vehicles that are turning nearby or driving past in the background, leading to inaccurate data.

Targeted Detection

Needing to capture license plates only from trucks actively positioned on the loading platforms, not from transient or passing vehicles.

Open Area Complexity

Preventing false recognitions caused by distant vehicles due to the open and busy layout of the logistics zone

Solution

☑ **Advanced PlateXpert LPR Algorithm with Plate Size Filtering**

Utilized Milesight's AI-powered PlateXpert technology to intelligently exclude license plates below a certain size threshold. (i.e., too far away or irrelevant to the loading area).

☑ **Optimized Camera Positioning**

Each camera was precisely positioned to cover two designated loading spaces, focusing detection on the relevant area while minimizing interference from adjacent traffic.

☑ **Customized Detection Rules**

Detection logic was fine-tuned to trigger only when a vehicle is stationary or moving slowly within the defined loading zone, improving the reliability of license plate recognition.

Conclusion

By leveraging AI-powered PlateXpert LPR technology with intelligent plate size-based filtering, the Spanish logistics center successfully enhanced its operational efficiency. The solution minimized irrelevant detections, ensuring that only the license plates of trucks actively involved in loading were recorded. As a result, operational efficiency improved by approximately 26%, streamlining vehicle tracking and enhancing on-site management accuracy.

26%
Operational Efficiency

Product Showcase

Entrance & Exit AI LPR Pro Dome Camera

- Intelligent AI-powered LPR Algorithm
- Black & White List and No-plate Vehicle Detection
- Evidence Camera Linkage
- 140dB Super WDR
- IP67 & IK10 Full Protection
- Clamshell Design for Easy Installation