



INNERBOX

About us

Our team of engineers is part of SneakyBox Ltd.

For more than 6 years we are developing innovative solutions for business: by responding to the specific needs, we apply them comprehensively in a broad spectrum of industries.

InnerBox focuses on the design and development of cloud computing, business analytics, and Industry 4.0 systems solutions





Our services

01

Product engineering

We can help to grow your product from an idea to a **fully working** and **highly scalable** solution.

Our result oriented cross-functional team will help you to keep up with ever-growing market and **customer requirements**.

02

MVP engineering

We identify **main deliverables** and features. We focus on **core** functionality.

Release the initial version of your product within just a **few months**.

03

Cloud managed services

We harness the power of the cloud to empower industry standard **scalability** and **performance** in your product.

04

Legacy software modernization

Give your existing legacy platform a new life by **upgrading** it into modern, flexible and resilient enterprise system.

Modernization will enable you to quickly **adapt** to changing business needs and operational processes.



Our clients

Public institutions and private entities

INTERESING
71M€5

 **Training**



 PVcase

 **AGACAD**

CASE STUDY

**Tracking the airport procedures using
SentIO platform**

Problem

INDUSTRY: AVIATION

In some airports the aircraft procedures are still tracked in a manual way (e.g., filling Excel sheet);

Manual labor increases the need for human resources, time costs and chances of error;

The manual control complicates the management processes in the real-time and decreases the chances of work optimization.



Solution

Aircraft and other relevant objects identification using neural networks

Images from airport security cameras is used to identify objects in the terminal;

Neural network then helps to identify aircrafts, personnel and ground support equipment;

The operation is processed in a real-time;

These objects can be identified with more than 98.7% accuracy.

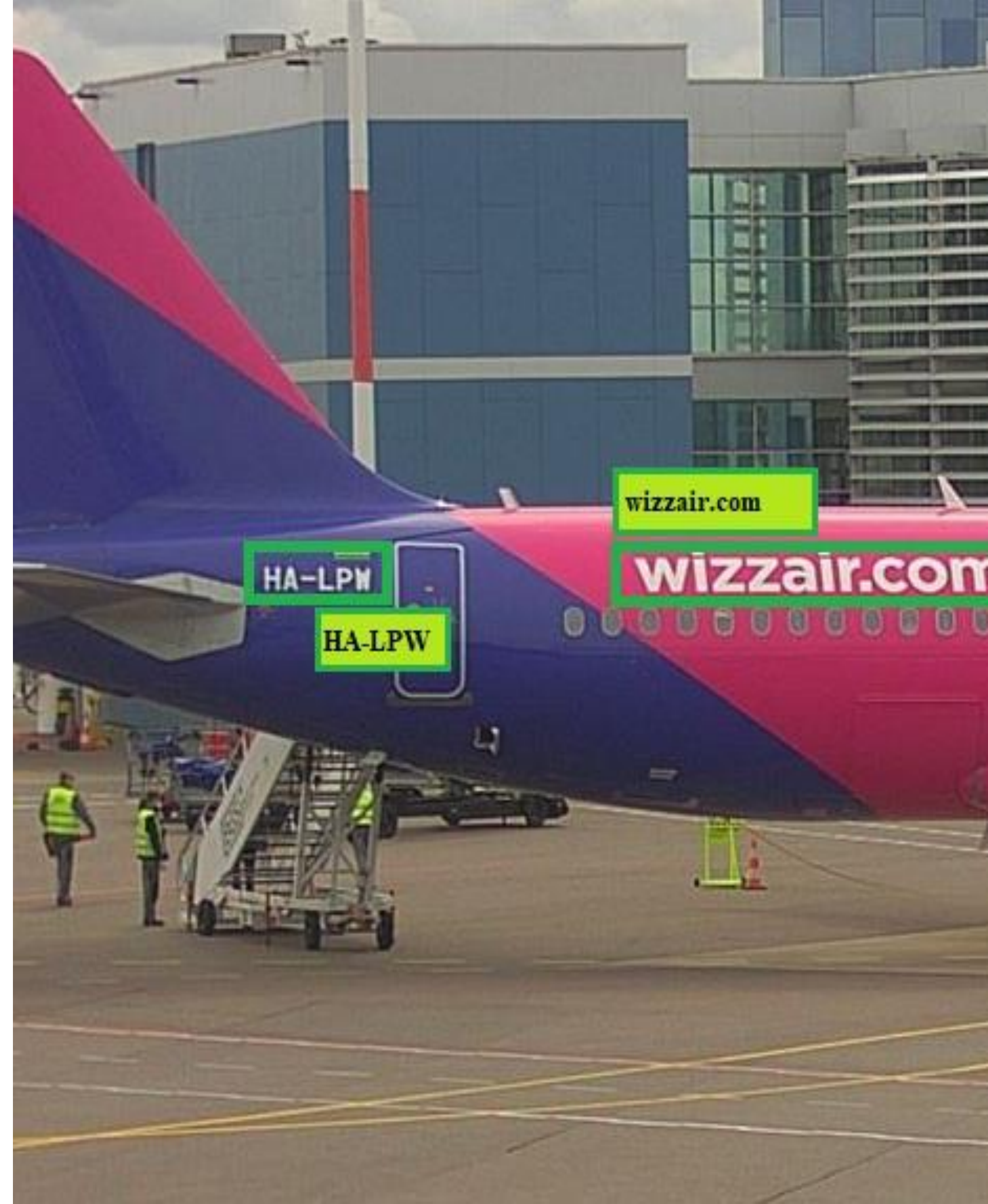


Solution (II stage)

Additional meta data from security cameras

Textual information like aircraft tail number, airlines, codes, etc. also is used to improve recognition.

This is done by using OCR algorithms to extract text and numbers from images.



Security camera image processed by neural network

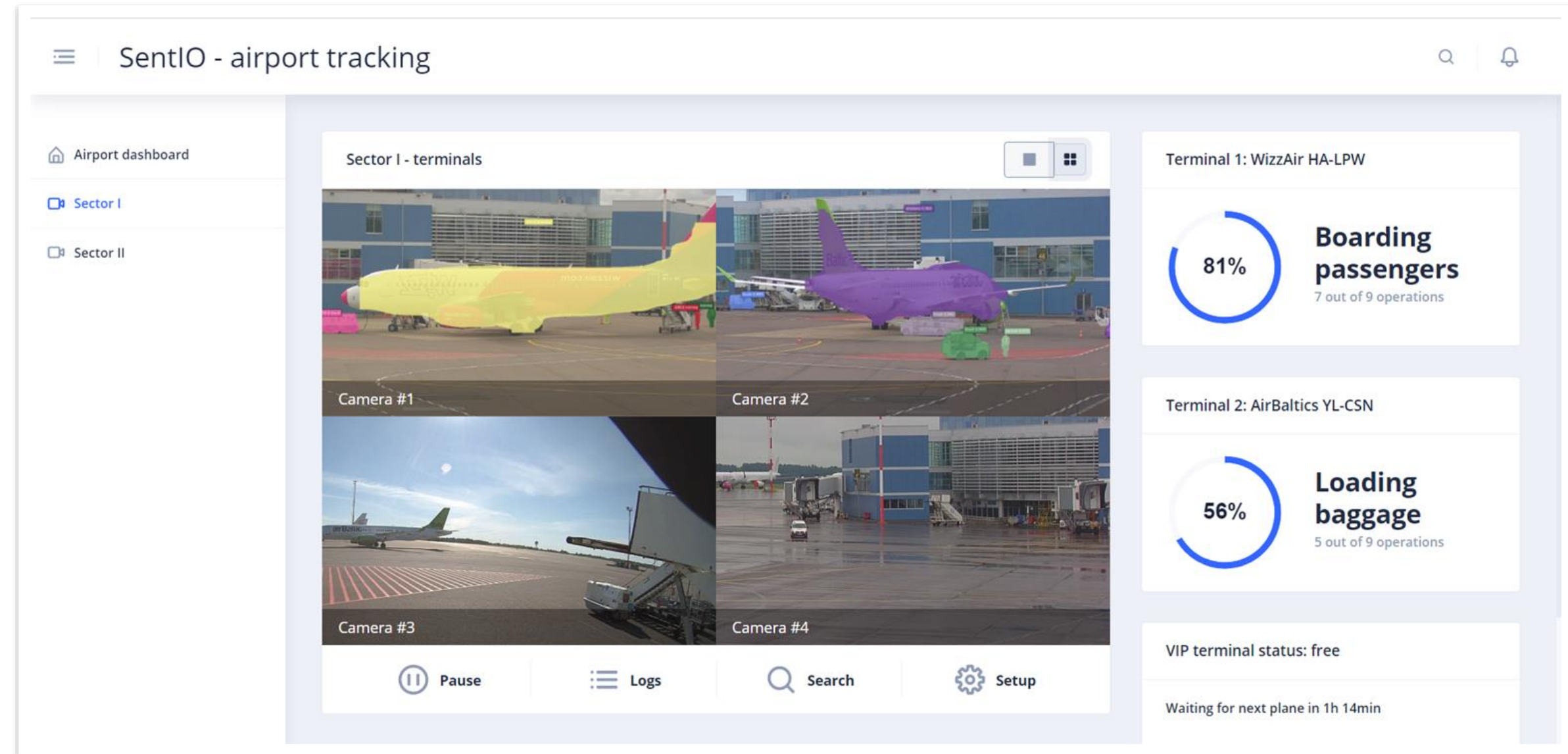
The camera image processed by our solution looks like this:



Integration into SentIO analytics platform

The images captured in all terminals help to identify and evaluate the processes in real-time:

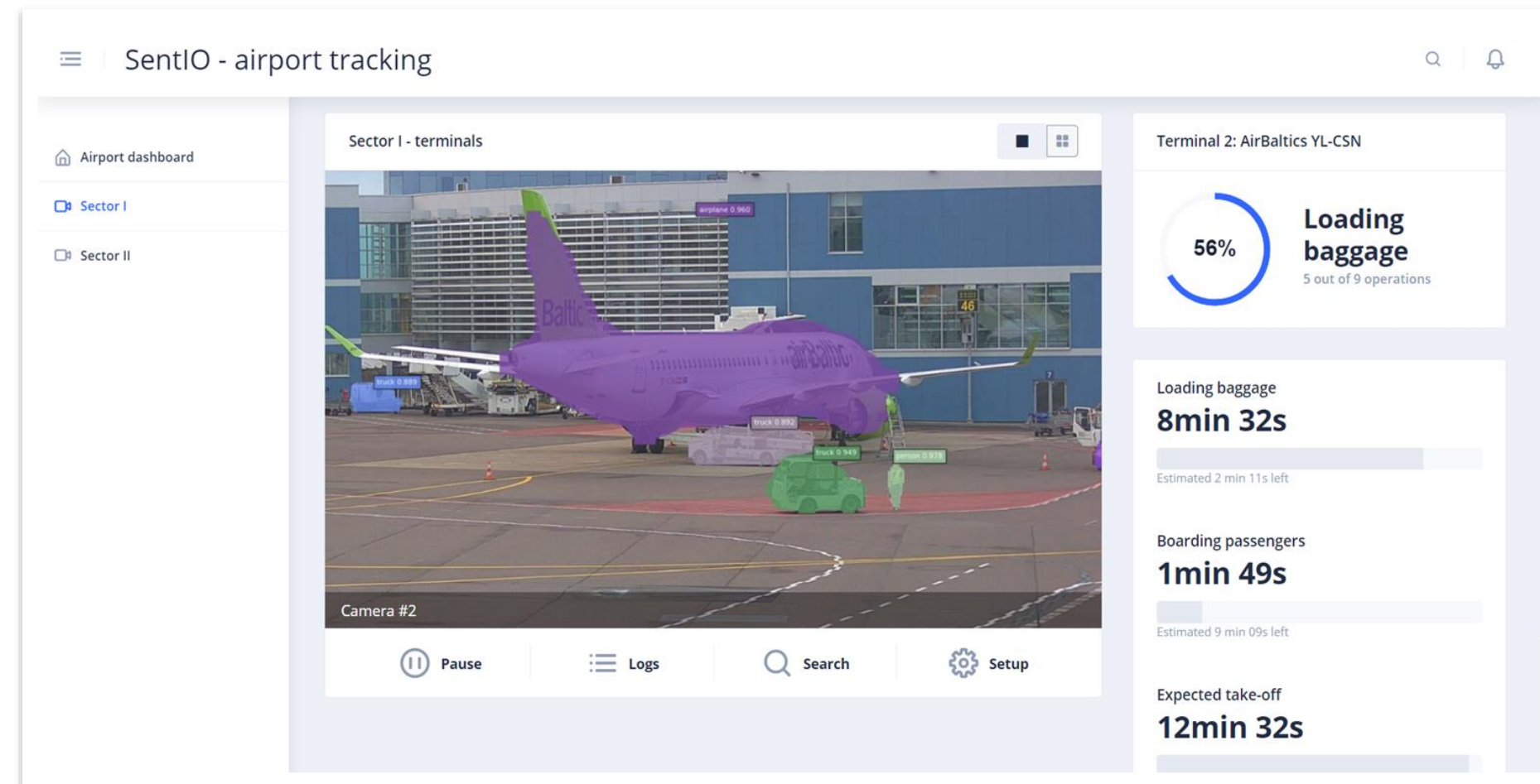
- Busyness of terminals;
- Type of aircraft serviced (No., model, airlines);
- Procedures remaining until take-off.



Integration into SentIO analytics platform

By using SentIO, each terminal can be analyzed separately in more detail by capturing:

- Procedures, which take place at the terminal;
- The average duration of the procedures;
- Expected completion of the procedure (based on historical data).

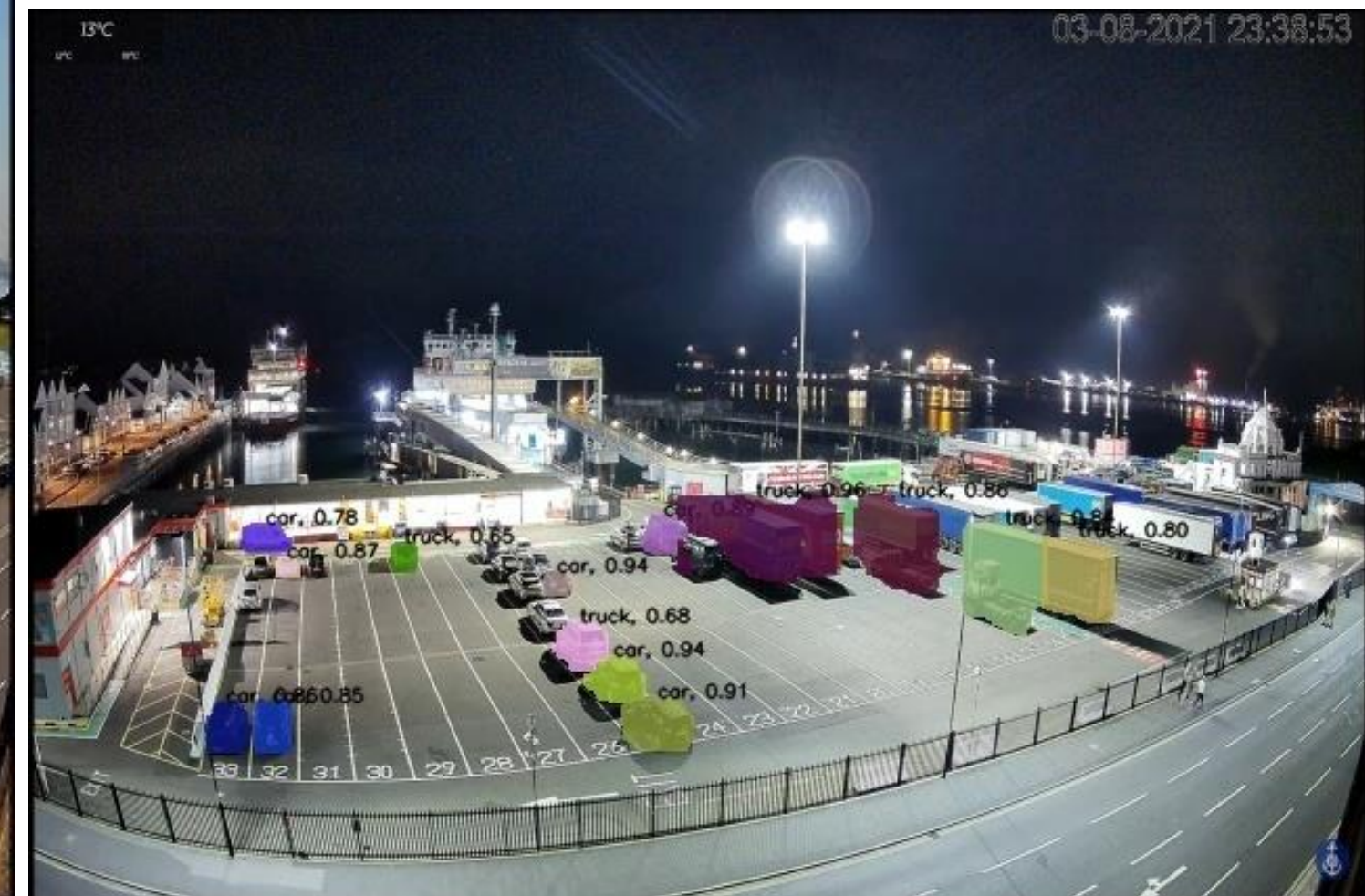


Possible applications in other industries

INDUSTRY: SEAPORT, CARGO

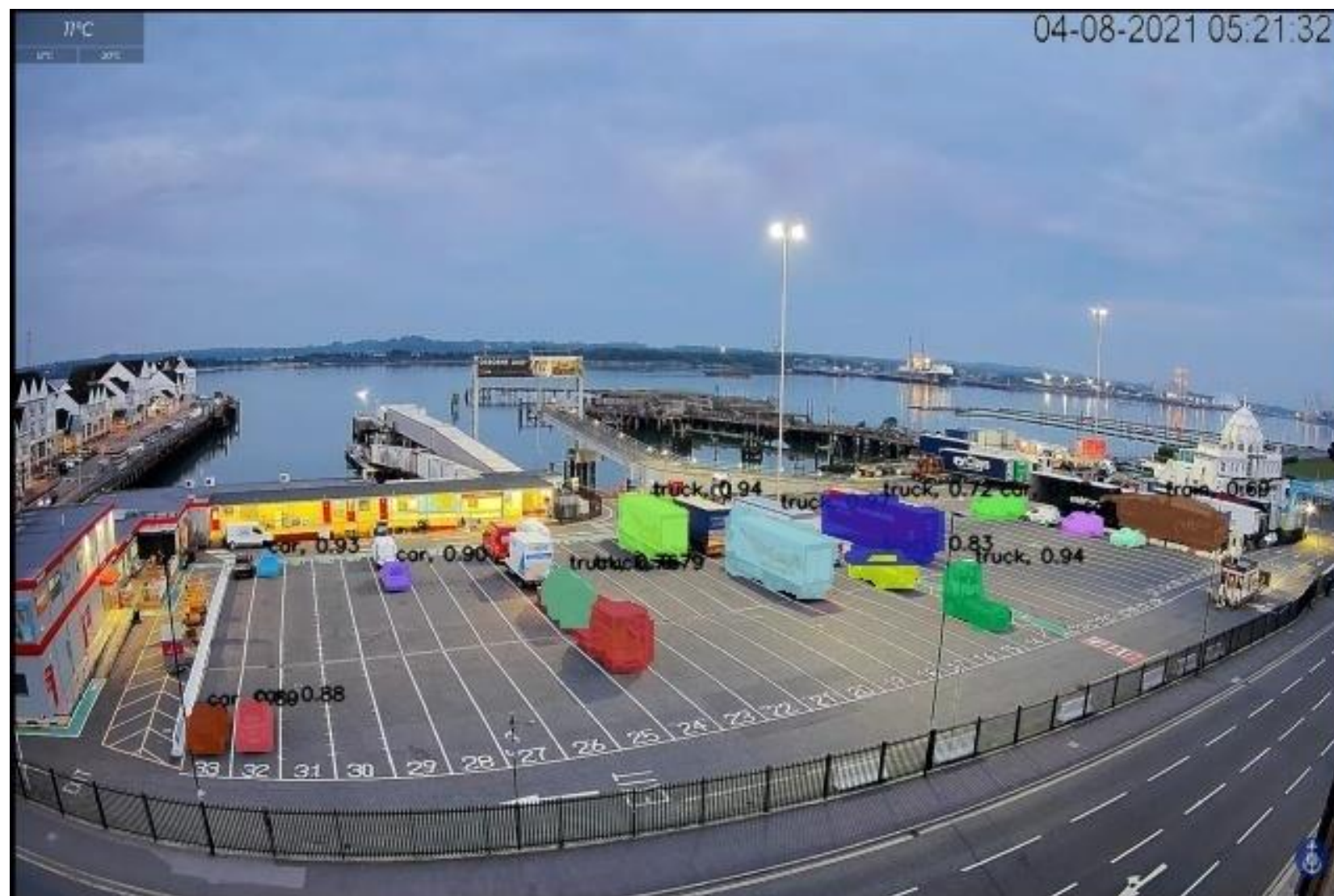


Day/night view on the ferry.
Image processed with our solution.



Possible applications in other industries (II)

INDUSTRY: SEAPORT, CARGO



Possible applications in other industries (III)

INDUSTRY: LOGISTICS, WAREHOUSES MANAGEMENT,
SUPERMARKET



The tracking of people movement, highlighting the spots where they stopped



Tracking where people stopped

Possible applications in other industries (III)

INDUSTRY: RETAIL (SUPERMARKETS)



The tracking of people movement, highlighting the spots where they stopped



Tracking where people stopped

Based on the movement of customers', it is possible to optimize the layout of goods, understand the load on the supermarket places. Tracking the movement of the lines at the checkout allows estimating the speed of the service



Benefits of the SentIO platform

The integration of the SentIO platform into the company's activities would help to:

Evaluate the average time taken to implement procedures

Find critical moments (bottleneck)

Find out the more efficient way to optimize the processes

Reduce costs and expenses

Questions?

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