



Pilot. Autoconductor

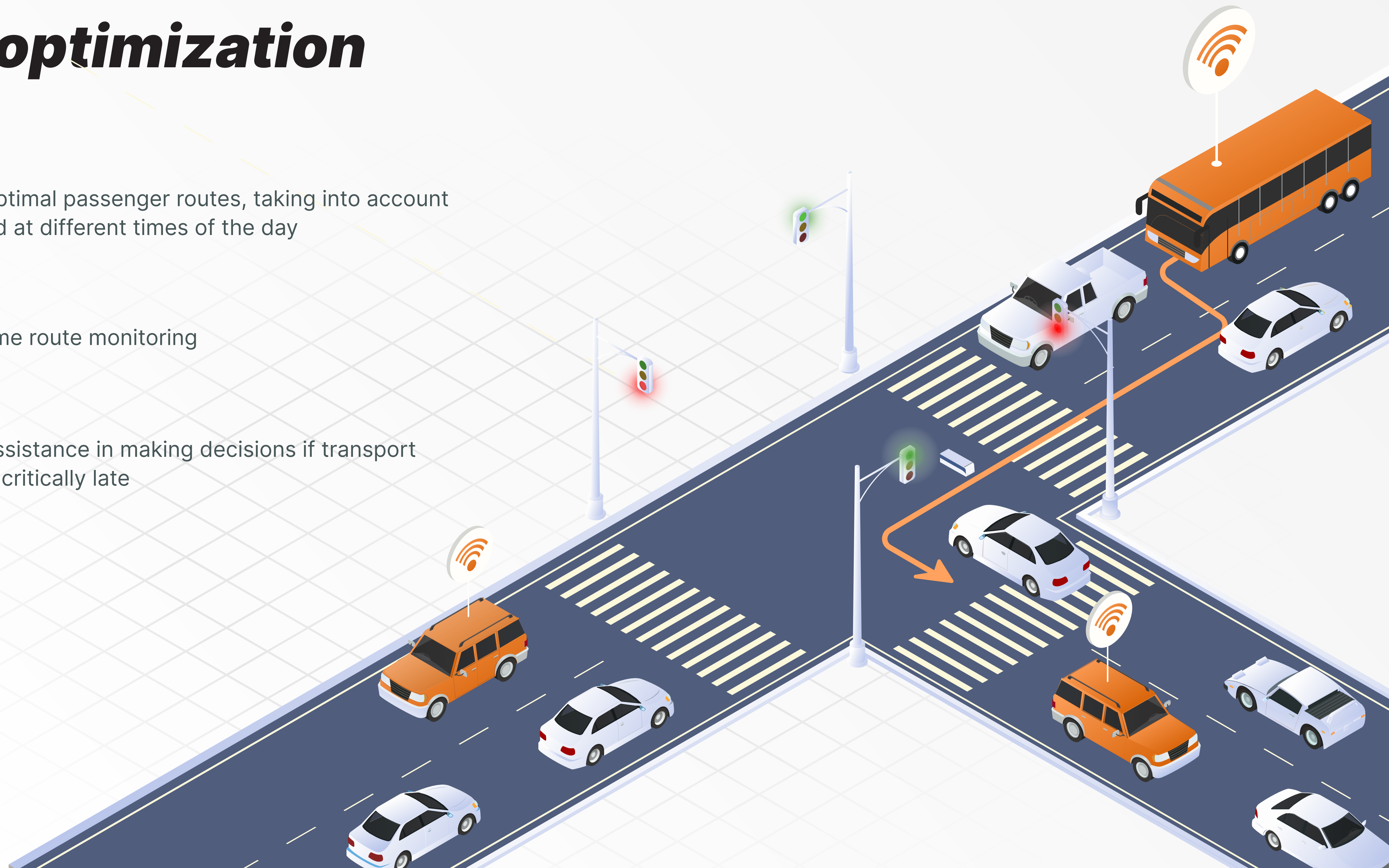
Manage passenger transportation based on data and artificial intelligence

Route optimization

1 Designing optimal passenger routes, taking into account the workload at different times of the day

2 Real-time route monitoring

3 Assistance in making decisions if transport is critically late



Transport control

1

WASL Integration

5

Saving the history of events and movements

7

Compliance with the temperature regime

9

Fuel consumption control

2

Notifications on service maintenance necessity and estimated costs

6

Pre-designed chain of action for participants in case of incidents

8

Setting geofencing notifications about leaving them

10

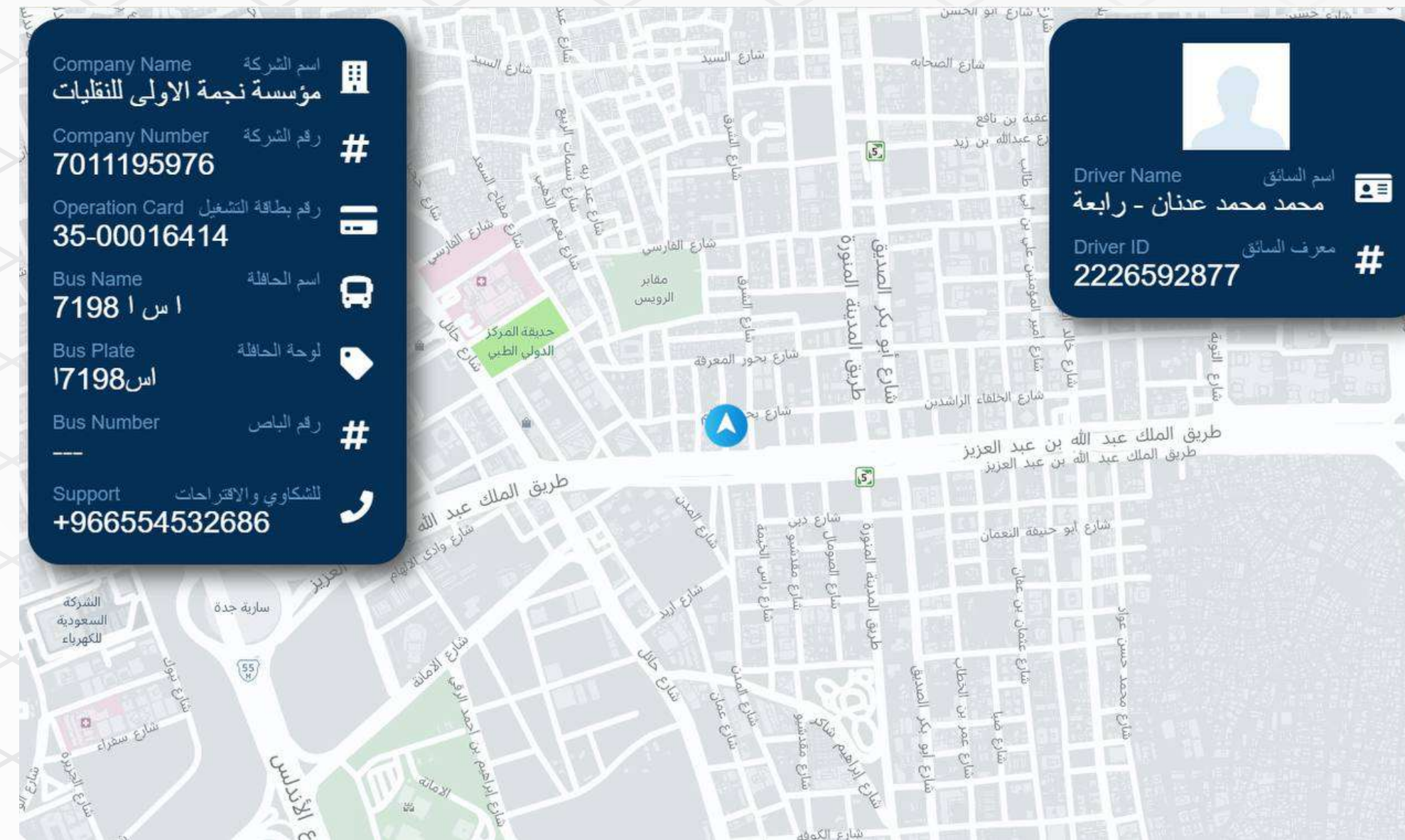
Notifications about accidents and incidents, failures in standard procedures

3

Information about the technical condition of transport

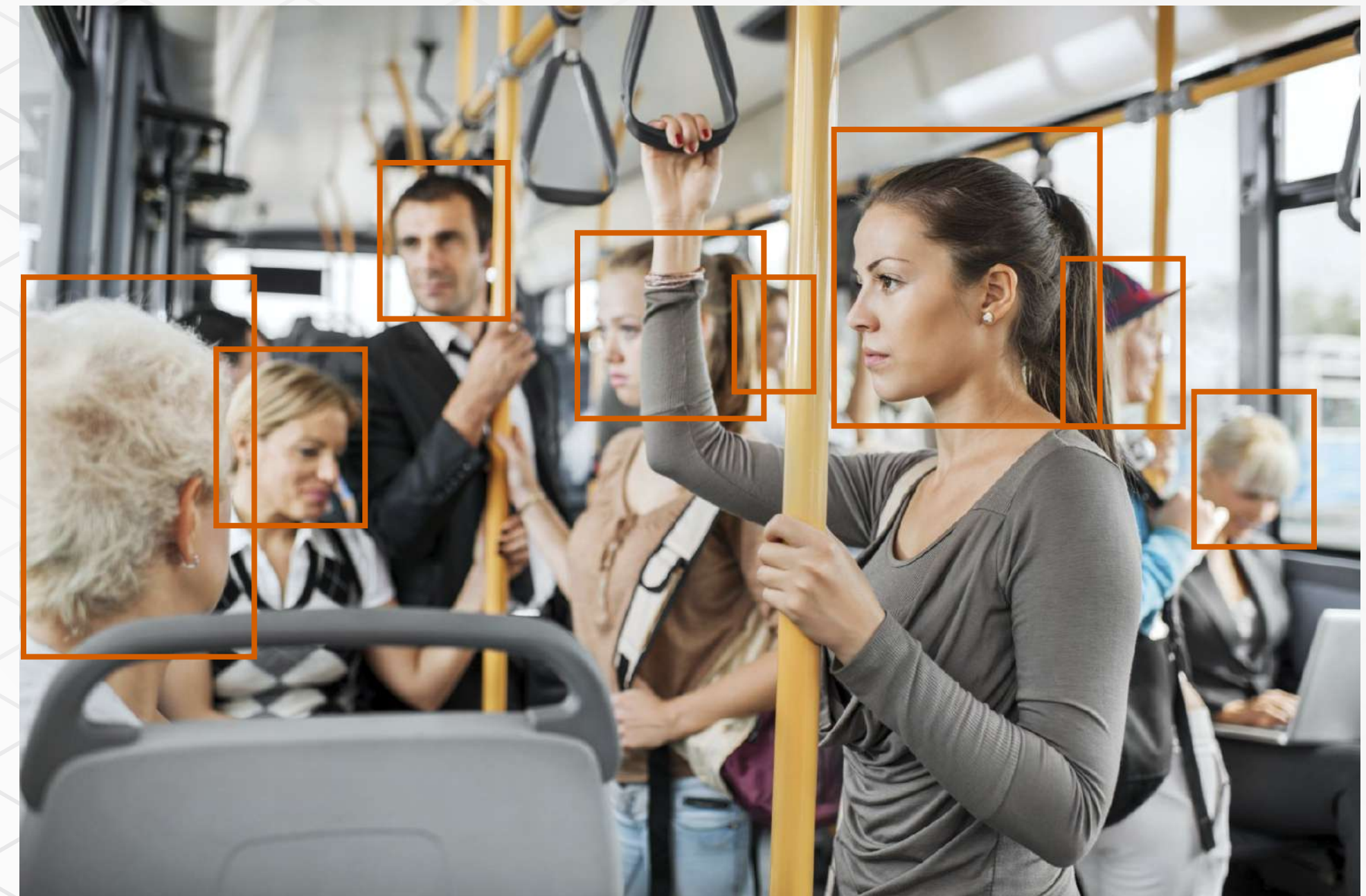
4

Allocation of additional transport or replacement of the current one



Passenger flow accounting

- 1** Counting by smart cameras of each passenger who got off at the stop and came back again will be counted only once
- 2** Passenger traffic statistics by hours, days, weeks, months, years
- 3** Route planning, the number of vehicles on the route, the calculation of transportation tariffs



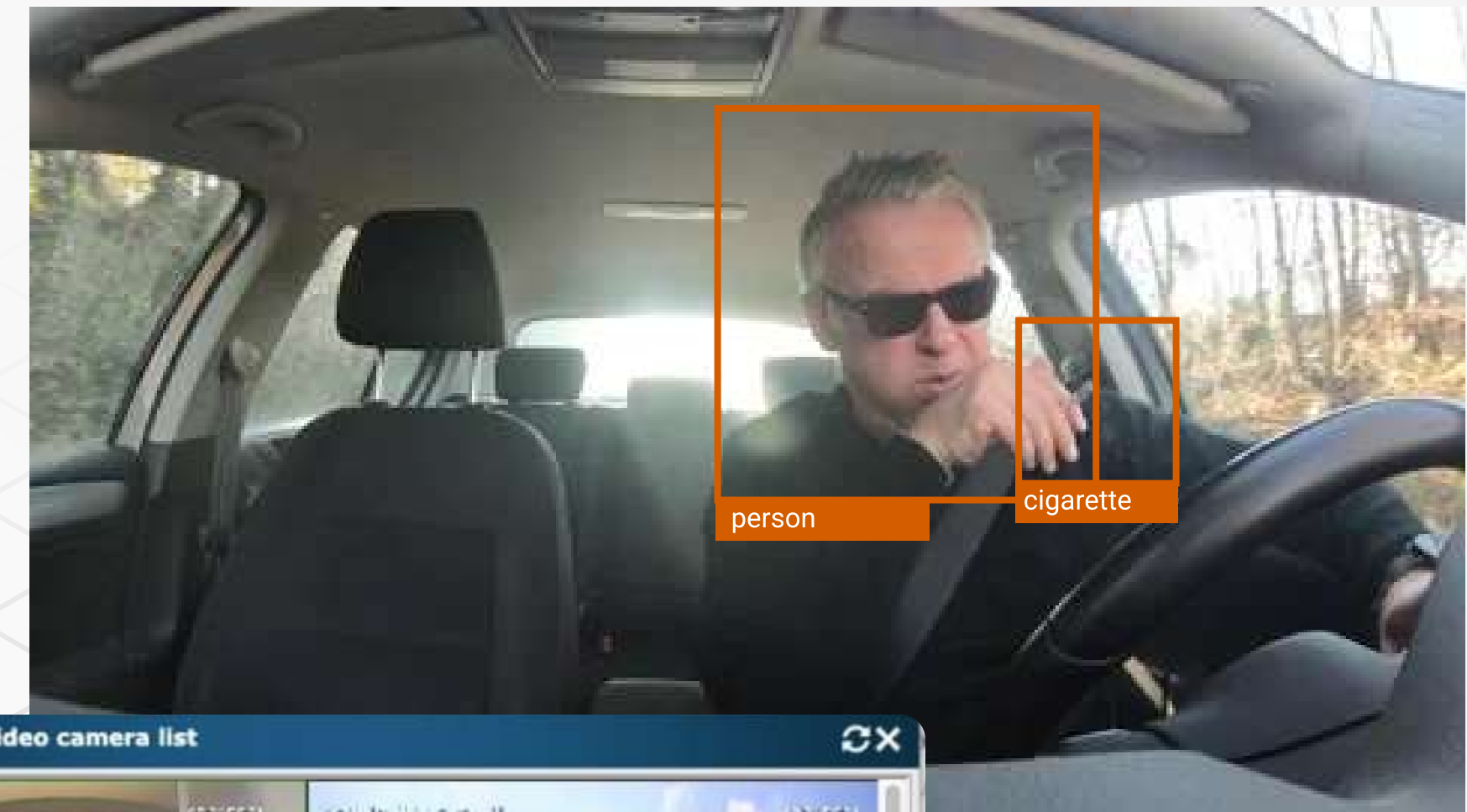
Revenue Forecasting



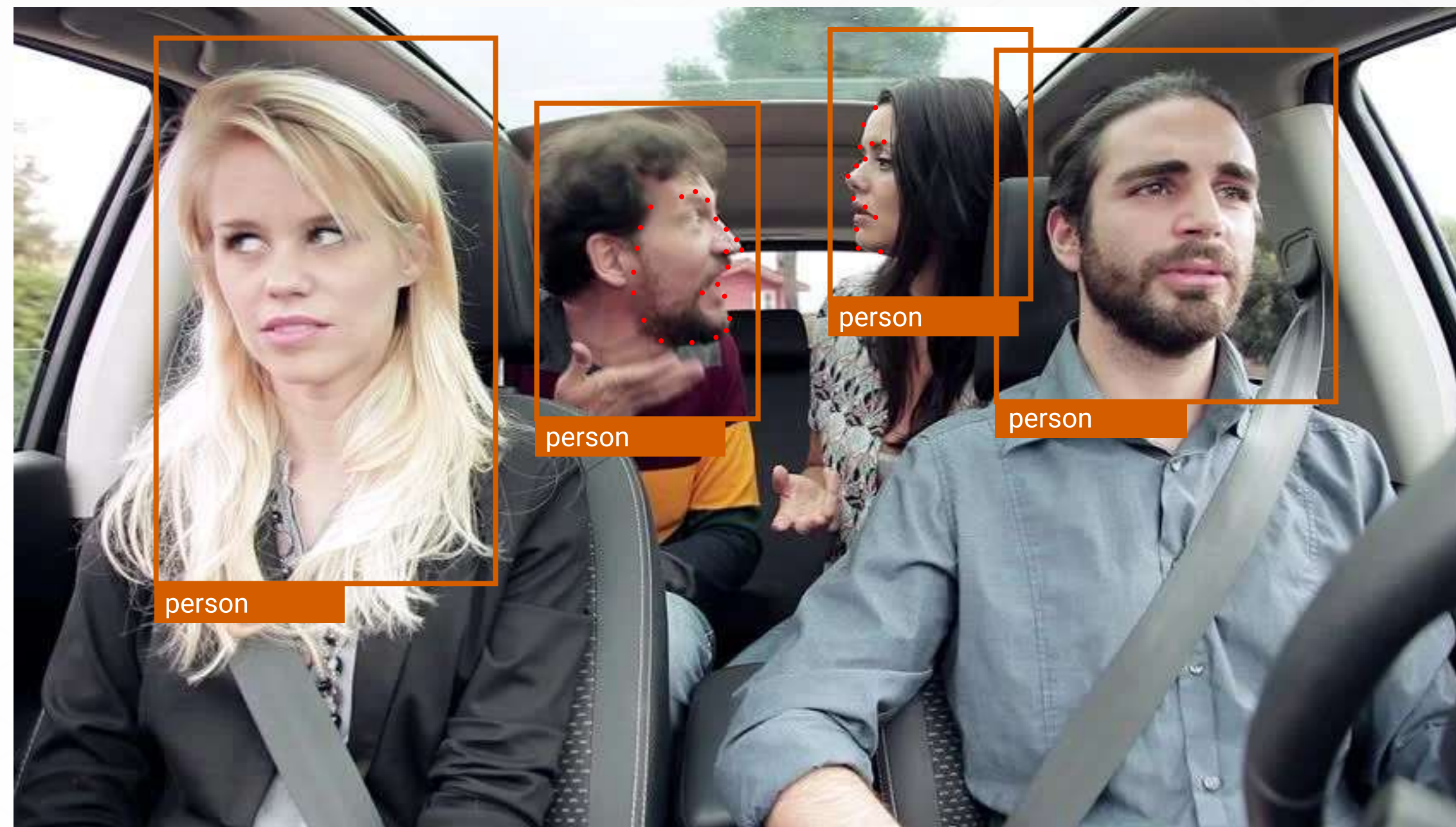
- 1** Objective revenue data based on the actual number of passengers
- 2** Connecting ticket processing systems, keeping records of privileged passengers
- 3** Exclusion of unauthorized selection of revenue by the driver

Driver control

- 1** Alert if the driver falls asleep while driving or smokes
- 2** Measures for recorded cases of traffic violations
- 3** Authorized access to transport
- 4** Sending messages to the driver on the monitor in the cabin
- 5** Setting the reaction if the driver leaves the lane or pulls onto the side of the road



Resolution of disputes

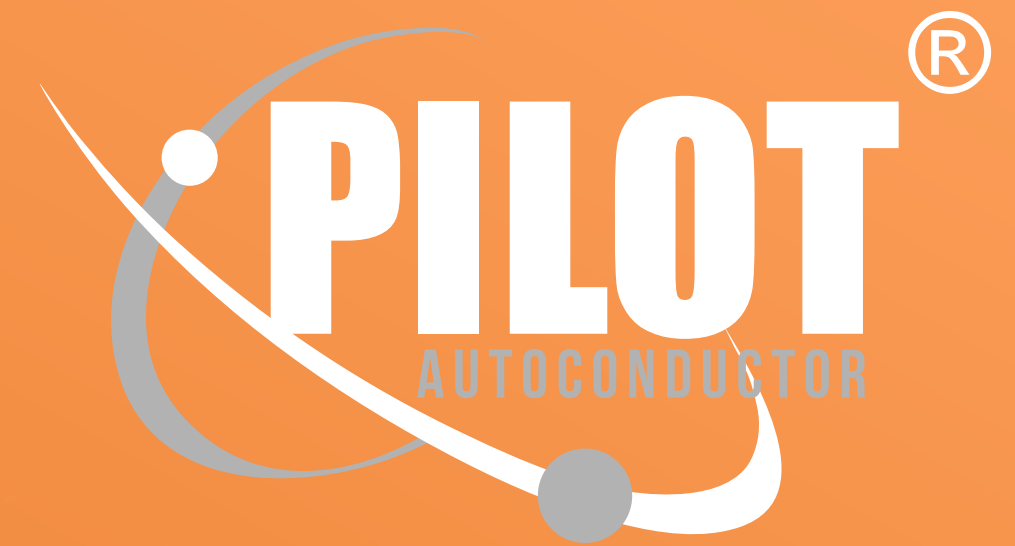


Thanks to the video from the salon,
you can always analyze the problem
situation and make appropriate decisions

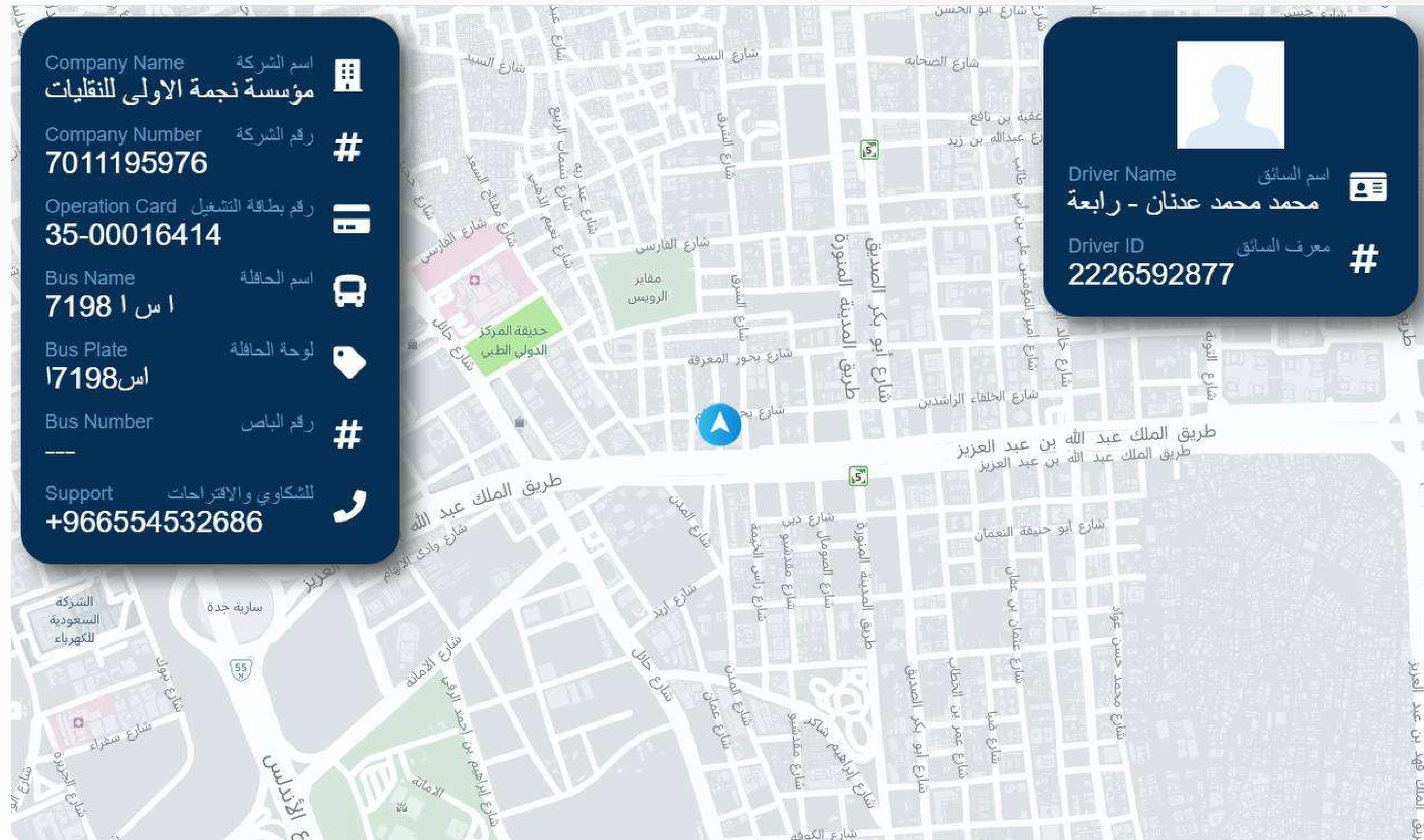
Convenience for passengers

- 1** Thanks to smart monitors at stops, passengers always know how long to wait for the next bus
- 2** Being in the cabin, passengers on the monitors see the temperature outside the transport





What is Pilot. Autoconductor made of?



The Pilot platform allows you to play videos by events

Full HD cameras with 1080p IP resolution

- Front and side flow;
- Warnings about unauthorized entry and turning off the camera;
- Customization for several types of vehicles;
- Capture video at high frame rate;
- HDR and video shooting in ultra-low light;
- SONY CMOS touch chipset;
- Designed for use in vehicles



MNVR

Designed and purpose-built for vehicles fleet management based on artificial intelligence



- Supports up to 6 camera streams with Full HD 1080p resolution;
- The case protected from unauthorized access;
- Update and configuration over the air (OTA);
- High quality streaming HLS and RTSP;
- Up to 3 months of video storage in the vehicle;
- AI edge analytics and driver behavior analytics;
- Accurate location tracking

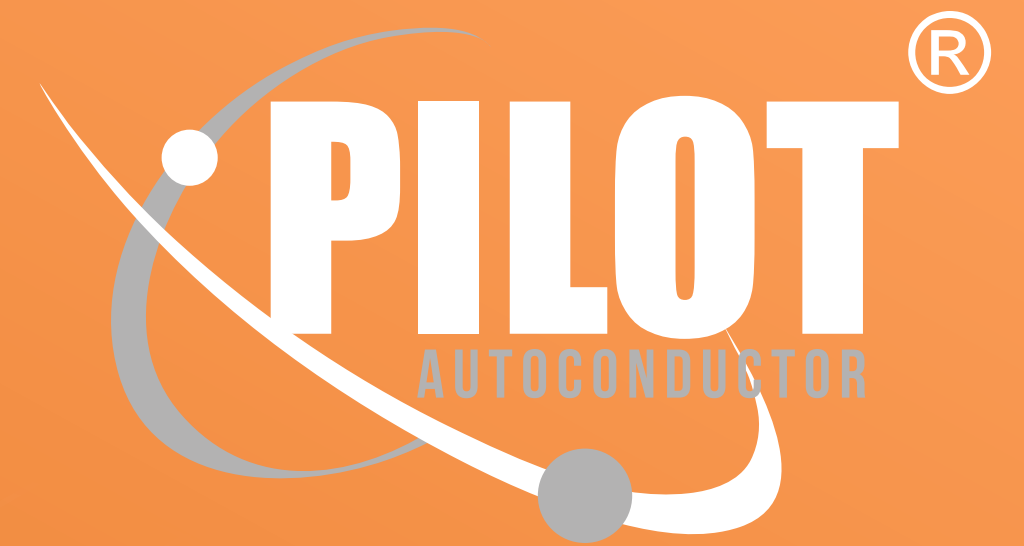
UNIVERSAL VEHICLE DATA SCREEN

This high-resolution 8-core data terminal is an advanced solution for smart fleets that need real-time data access.

Main characteristics:

- Lack of open wires and cables;
- Plugs into a standard vehicle interface without the need for drilling or attaching to the dashboard;
- Connects to printers with Bluetooth;
- Fully integrated with internal vehicle management system and fleet for taxis, limousines and delivery services;
- Supports voice communication via VoIP protocol with the control center;
- 1920 × 1080 high resolution display





How it works?

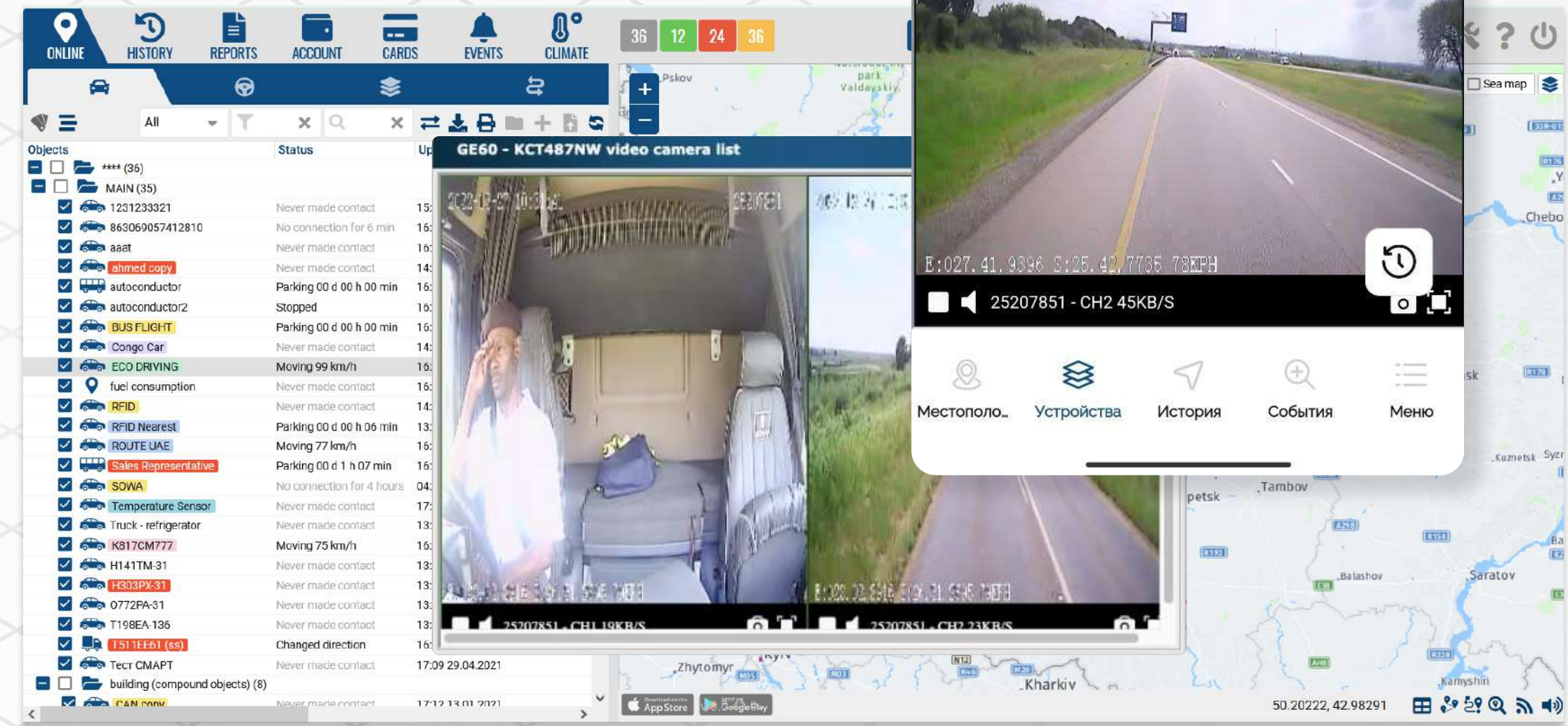
Principle of operation

A comprehensive system for accounting of passenger traffic is installed for each vehicle. It includes sensors, video cameras, control unit.

- 1** Data from video cameras and sensors are transferred to the Pilot platform and recorded on a local media;
- 2** Drivers have an application in which they can receive notifications from the dispatcher, send a report on arrival at the destination, completion of the route;
- 3** The system can be integrated with other services

Result:

- Revenue growth by 25-35%
- 16% increase in passenger satisfaction



Benefits of use

1 Increasing revenue collection

2 Schedule adherence

3 Round trip planning

4 Line out planning

5 Quality control of driver driving, smoking, falling asleep

6 Reducing the number of conflict situations, quick resolution when they occur

7 Availability of a response plan in case of non-standard situations

8 Objective confirmation that passenger transport traveled on the agreed subsidized route



Cases

Passenger flow control

A task:

- Implement a set of measures aimed at providing video control in the passenger compartment, video control of the traffic situation and ensuring automated counting of passenger traffic

Solutions we offer:

1. The "Autoconductor" system was installed;
2. The system is connected to video surveillance cameras of the compartment, control of traffic situations and monitoring the driver;
3. For the convenience of drivers, the buses were equipped with monitors that display video from cameras, weather reports, as well as text messages from the ATP dispatcher;
4. For the convenience of passengers, the system made it possible to obtain information about the predicted time of arrival of buses at stop points.

Result:

As a result of the implementation of the system, the Customer managed to increase revenue from transportation by 30%. The process of processing passenger claims, as well as finding out the causes of emergency situations, was reduced to almost one working day.



Smart stop

Tasks:

- Ensure the transfer of the forecast of the arrival of the bus to the electronic scoreboard installed at the bus stop;
- The forecast for the arrival of the bus should change in real time, taking into account its relevance.

Solutions we offer:

1. All the customer's buses were connected to the "PILOT" transport monitoring system. Using the "Bus Lines" module, the automatic calculation of the time of arrival of vehicles at given points along a given route is performed. The module can transfer information about the calculated forecast to any third-party system. Data transfer to the smart stop display was also configured;
2. Delivered "Smart boards";
3. Provided a free application for passengers to track the arrival time of the desired bus at a given stop.

Result: according to the results of the implementation of the project, the task was completed by 100%





Contacts

✉ info@pilot-telematics.com

🌐 www.pilot-telematics.com