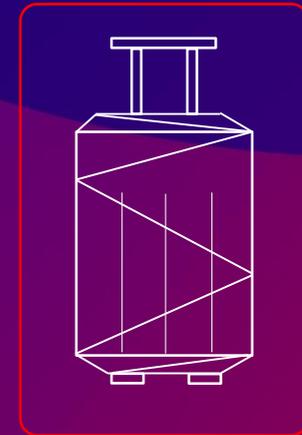




# TRASSIR Neuro Left Object Detector

Automatic detection of abandoned items for guaranteed safety  
in public places



# TRASSIR Neuro Left Object Detector

The neural module is designed to detect unattended and abandoned objects in the field of a camera view with the ability to fine-tune the parameters of the detected objects.

Neural network analytics allows the detector not only to detect an object, but also to classify it. The module works on the basis of the people and objects detector, so it works effectively in difficult conditions.



# Usage scenarios

## Neuro Left Object Detector

### Abandoned objects

- abandoned items in public places, railway station/airport, metro and public transport, shopping and business centers, central squares, etc.

### Warehouse storage

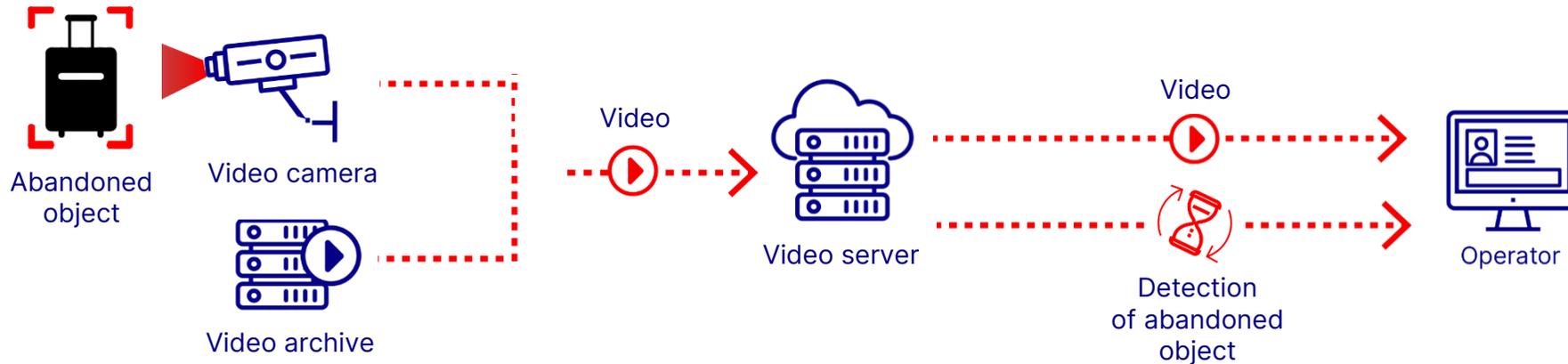
- control of cargo placement in areas not designated for this purpose.

### Search for lost objects

- an effective search for the appearance of an object in the frame in the video archive.

The detector is able to determine the abandoned object, as well as its class: a suitcase, a bag, a duffle or a briefcase, a box, a package.

# Solution architecture. How does it work?



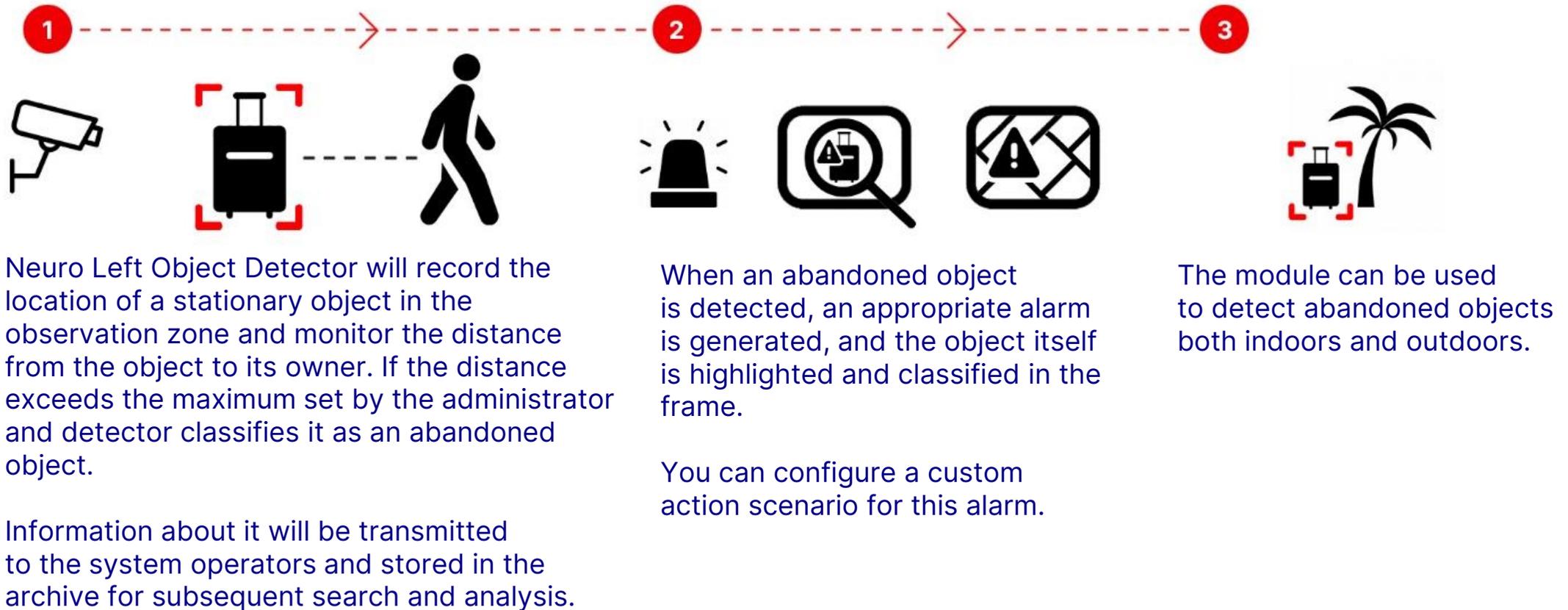
## Reaction scenarios:

**1** Notifications in Trassir interface

**2** **Notification:**  
Email-alerts  
Telegram-alerts

**3** **Integration with on-site systems:**  
Voice notification system  
Alarm system

# Solution functionality. How does it work?



# Functionality and features of the solution

- Automatic detection of objects of various types left in the field of the camera view with a given form of reaction and saving the event in the video archive.
- Continuous monitoring via video surveillance cameras and information output to the operator of the CCTV system.
- Search for events in the database and in the archive according to the specified parameters.
- TRASSIR Neuro Left Object Detector is able to take into account various scenarios and trigger them, for example, if the host has moved away from the object or disappeared from the frame, the detector sends a notification. Tracking allows you to monitor the movement of the owner of the object and more accurately assess the distance between him and the thing.
- Generating reports.

# Areas of application

- Airports
- Buildings and structures
- Retail
- Cultural and sports facilities
- Business centers and offices
- Industrial enterprises
- Safe City
- Customs and border control
- Road infrastructure

# Solution advantages

## Intelligent algorithms

— the use of neuroanalytics provides high accuracy of detection, as well as determining the owner of the object and its class (suitcase, package, bag, etc.)

## Flexibility

— the ability to fine-tune the parameters of the object (including the maximum and minimum size of the object, the time after which it is necessary to give an alarm). Scripts allow you to prescribe a variety of response logic.

## Accuracy

— implementation of the functionality based on the detector of objects and people, high efficiency in difficult conditions.

## Operator interface

— a working tool for information processing, automatic prompt notification of the operator about the detection. Intuitive and user-friendly interface, as well as flexible configuration of the detector by parameters.

## Integration

— the necessary set of mechanisms for integration with hardware.



# Contacts

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Hardware Catalog



Video Management  
Software Catalog



Success Cases

