



# TRASSIR Pose Detector

Neural network intelligent module  
for detecting and classifying human poses

Detecting non-typical human behaviour in a video stream to  
ensure security and swift response to emergencies



# TRASSIR Pose Detector

A neural network detector based on human motion algorithms detects and classifies a person's pose in the video stream to track and promptly respond to atypical behavior.

The module automatically detects a person and determines the pose of the person based on the average position of body parts.



# Pose Detector usage scenarios



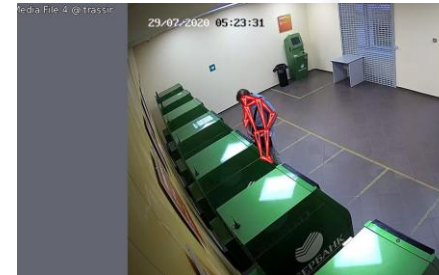
## For banks:

- Identification of marginalized individuals in 24-hour service areas.
- Preventing ATM hacking and promptly apprehending the intruder



## For healthcare facilities:

- Prompt response to patient incidents



## For transportation:

- Identification of marginalized individuals at train stations, bus stops, in subway cars

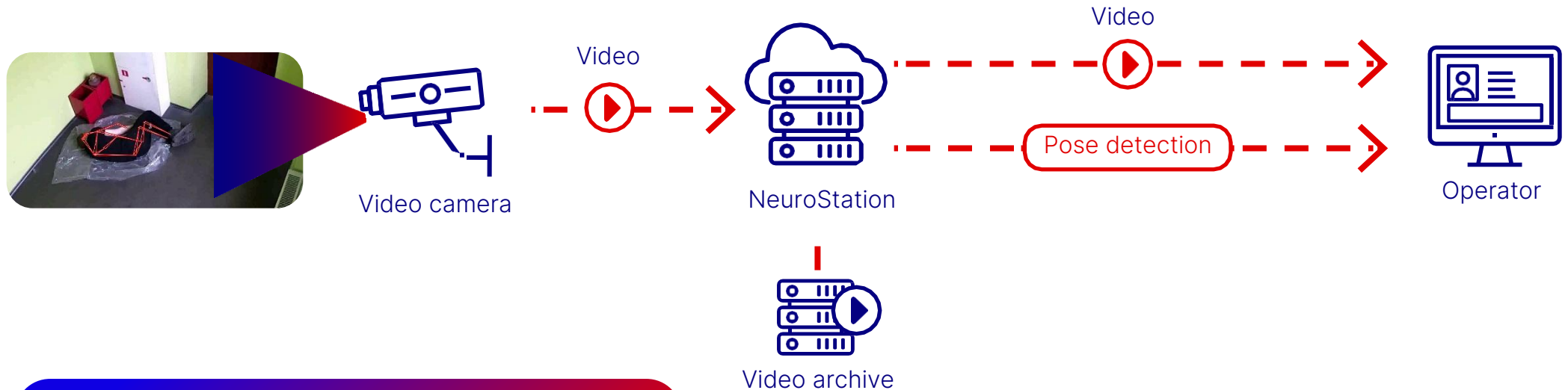


## For productions:

- Rapid response to incidents in hazardous industries



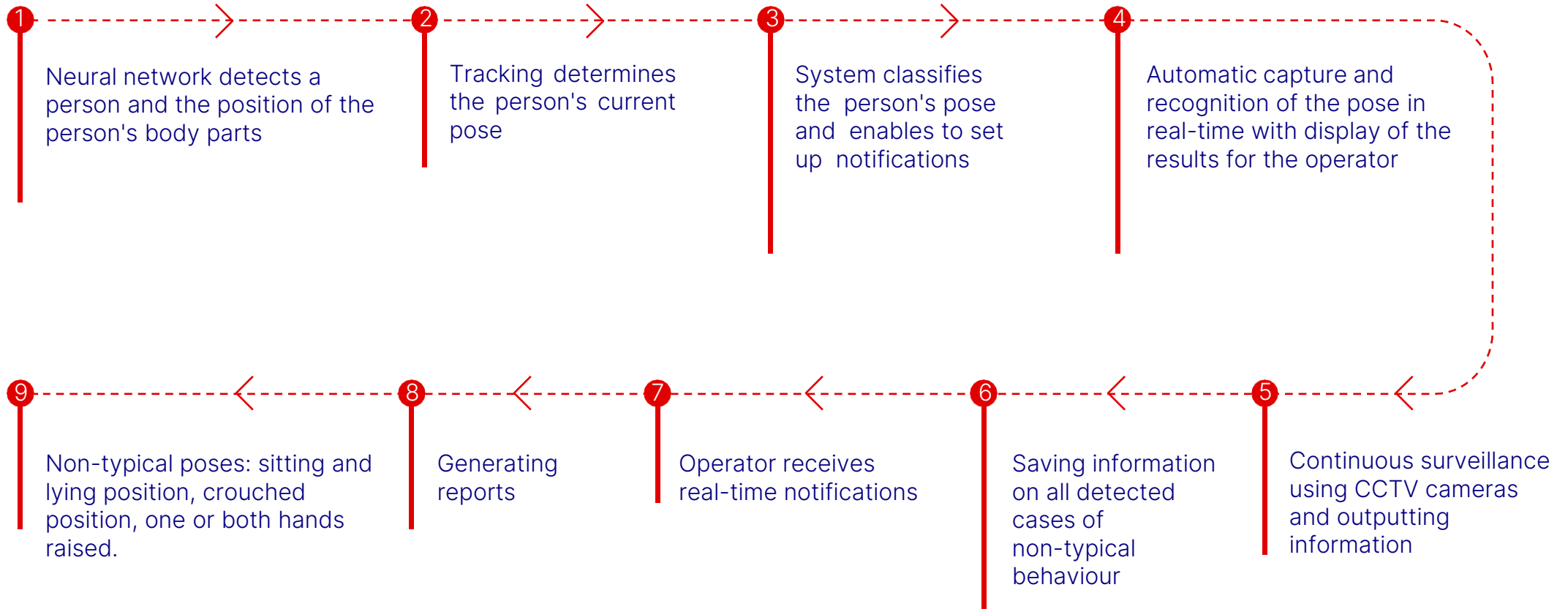
# Solution architecture. How does it work?



## Reaction scenarios:

- 1** Notifications in TRASSIR interface
- 2** Notification:  
Email – alerts  
Telegram – alerts
- 3** Integration with on-site systems:  
Access control system (turnstiles, doors, etc.)  
Voice notification system  
Alarm system

# Solution functionality. How does it work?





# Areas of application



Medical sector



Public areas



Retail



Banking sector



Business centres  
and offices



Industrial  
enterprises



Cultural and  
sports facilities

# Solution advantages

## Intelligent algorithms

– high percentage of correct recognition in a live video stream. Adaptation to different frame exposure conditions and changes in the physical characteristics of a person's face

## Flexibility

- working in simple and advanced modes. In the latter, the detector recognizes more subtle poses using a high-resolution network (more capacity required).  
Minimising false alarms using hardware methods

## Modification

– capacity to expand functionality and create customised solutions

## Offload analytics

– capacity to gradually build up the intelligent functionality of the solution and merging with existing modules

## Integration

– the necessary set of mechanisms for integration with hardware



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