TRASSIR Wear Detector

Smart Workwear Control Module

Live video analytics for automatic monitoring of employee compliance with workwear requirements

TRASSIR Wear Detector

Smart video analytics module to monitor the presence of workwear on employees according to the color of the uniform

It is designed to allow the organization managers to:

- ensure compliance with safety regulations
- at manufacturing and industrial plants;
- differentiate access rights to different areas by color of uniform; respond in a timely manner to the appearance
- of unauthorized persons in designated areas;
- count the number of employees in a given uniform;
- reduce the risk of workplace injuries and prevent accidents from occurring;
- respond in a timely manner to violations of regulations.

How does it work?

The module is based on a neural detector that detects and classifies people wearing uniforms of a certain color.

Using analytics allows you to identify offenders and separate employeesfrom visitors

- Helps prevent accidents caused by a lack of protective workwear

TRASSIR Wear Detector usage scenarios

Monitoring of safety regulations compliance

In the event of the appearance of a person without a uniform, on-site operator is automatically sent an alarm notification and/or an audible alert

Eliminating accidents in hazardous industries

Timely supervision of compliance with workwear regulation can reduce the likelihood of injuries at enterprises

Reducing supervisory staff

Automation of control functions allows to reduce the number of employees involved in the control of safety

Accident investigation

Recording to the archive and subsequent quick search of incidents help provide an evidentiary basis in the part of occupational injuries investigation

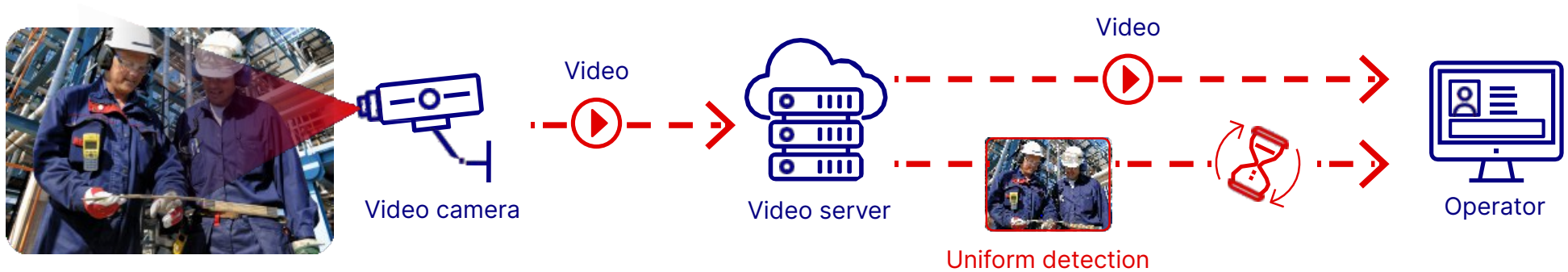
Compliance with access zones and sterile areas

Configuration of access restrictions to specified areas for certain categories of employees

Security function

Exclusion of response scenarios for uniformed employees as a tool for controlling intrusion into protected areas

Solution architecture. How does it work?



Escenarios de reacción:

1 **Notifications in the Trassir interface**

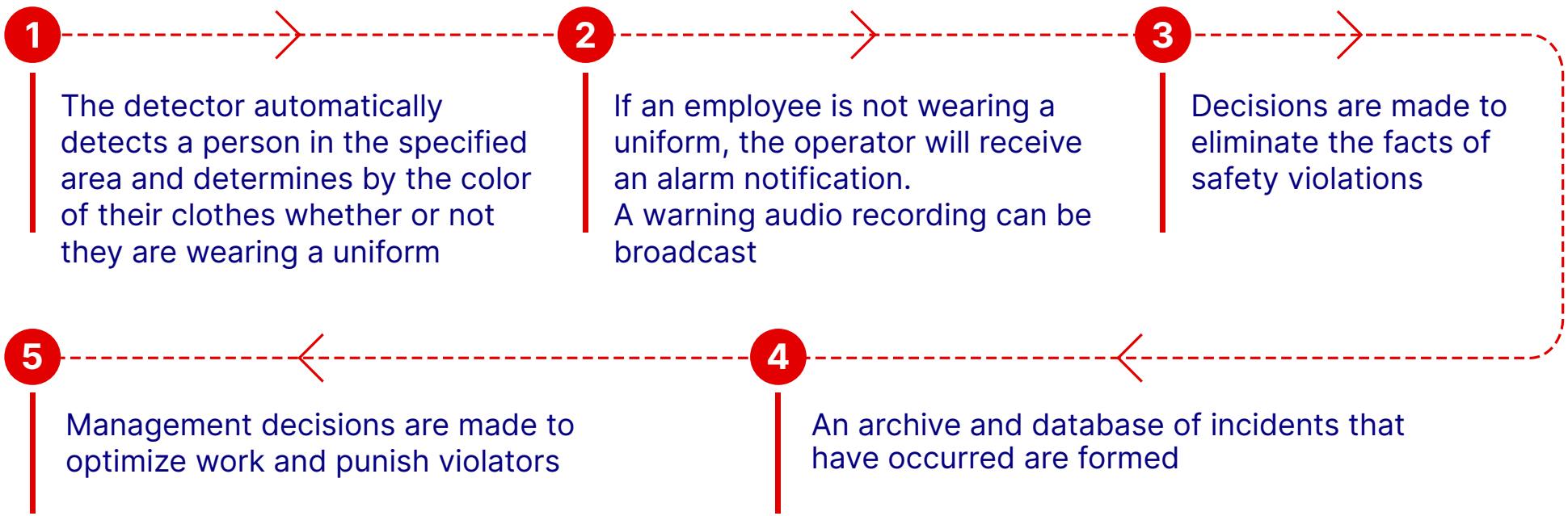
2 **Generating and exporting reports:**

- Number of incidents

3 **Notifications:**

- SMS-notifications
- Email-notifications
- Telegram

Solution functionality. How does it work?



Areas of application

Seaports

Hydroelectric power plants

HoReCa

Construction industries

Gas industry

Forest industry

Oil industry

Mineral resource industry

Airports and railway stations

Business centers and offices

Retail

Solution benefits

Cost effectiveness and efficiency

Option to automatically monitor safety compliance reduces the number of personnel required and provides a complete monitoring cycle

Trassir CMS management system

A corporate solution for managing tens of thousands of servers and hundreds of thousands of cameras within a single system. System health monitoring. Access restrictions. Consolidated video analytics data collection

Trassir VMS management system

A local system for easy management of cameras and servers. It allows monitoring the health of the servers, and ensures the reliability of the archive record

Prevention of accidents and fines

An effective automated system can prevent most accidents, which greatly reduces the pressure on the company from regulatory agencies

Control of compliance with clean zone boundaries

Division of personnel into zones of responsibility and prevention of violations of the production process

Modification

Option to expand functionality and create customized solutions

Safety control

Production safety for employees and visitors as an important reputational component

Integration

The necessary set of mechanisms for integration with hardware

Independence

Option to use the module with most third-party equipment

Operator interface

Real-time monitoring, prompt notification of critical situations and informative reporting

You may also be interested in:

1. **Hard Hat Detector** – hard hat detection module
2. **Pose Detector** – a human pose analysis module
3. **Neuro Left Object Detector** – neuroanalytic module for detecting abandoned objects
4. **Work Place Detector** – a module that allows you to monitor the presence of employees in the workplace
5. **Face Mask Detector** – a module for monitoring compliance with face mask requirements in public places
6. **Heat Mapon Map** – a module for generating a map of people movement in a given area
7. **Face Recognition** – a TRASSIR software add-on for recognizing and searching people using a preconfigured face database, as well as for counting unique faces and demographic analysis
8. **Neuro Counter** – a module for monitoring compliance with face mask requirements in public places

TRASSIR Wear Detector. Stories of success

The Russia's largest network of meat processing plants, consisting of 20 facilities spread across the country

Industry: Food processing | Region: Russia

Project tasks:

- elimination of sanitary norms violation
- (lack of protective workwear, contamination of workwear, lack of gloves and hats, etc.)
- monitoring of safety violations
- violation of internal working conditions of the enterprises
- control over the working time of employees and its efficiency
- prevention of theft at the enterprise

Implementation results:

- Establishing a centralized monitoring for all facilities
- Customization of analytical modules to provide the necessary statistics and timely notification of violations

Contacts

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Hardware catalog

VMS Catalogue

Success stories