TRASSIR

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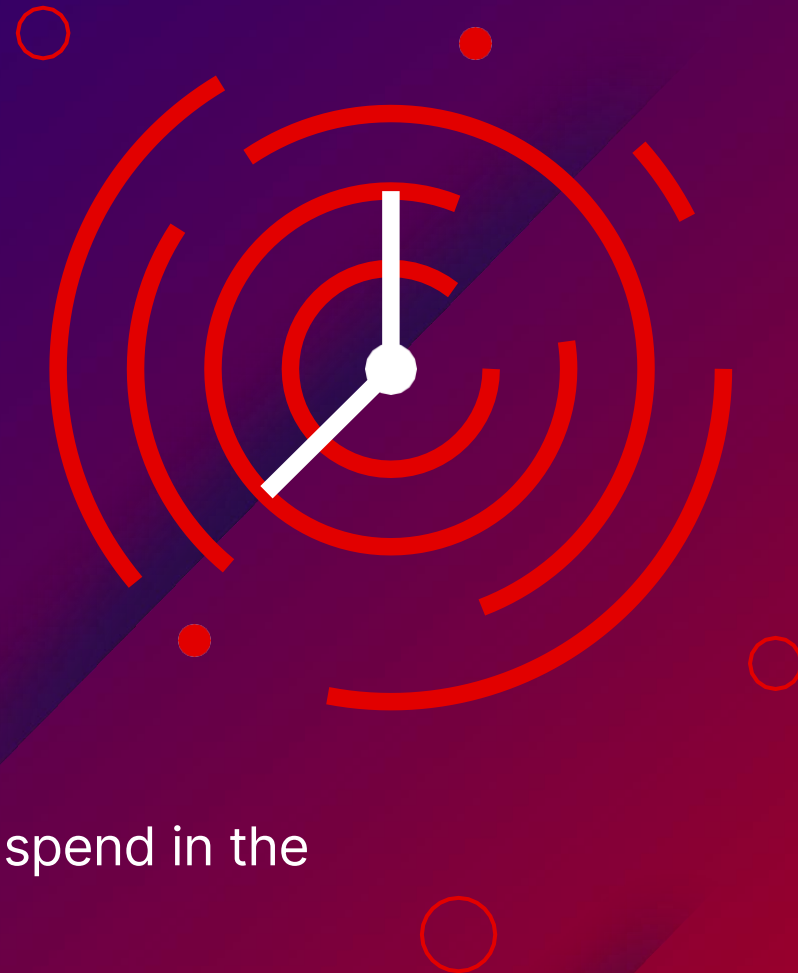# Workplace Detector

Intelligent module for tracking actual time employees spend in the workplace
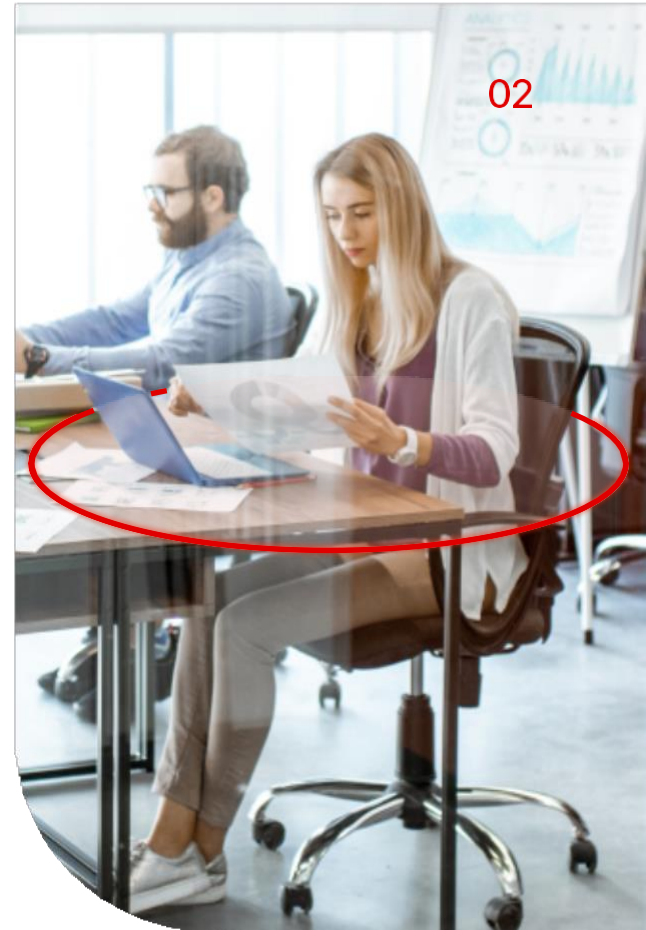
Video streaming analytics to improve the control of labor in the workplace

TRASSIR
Workplace Detector

Intelligent video stream analytics module:

- determines statistics on the presence/absence of personnel in the workplace, monitors and evaluates actual time spent working

- generates reports and notifications, notifies about non-compliance with labor codes, tardiness, early departure, or absence from the workplace for longer than permitted

Designed to automate the control and accounting of staff working hours, planning and optimization of work schedules

The TRASSIR Workplace Detector intelligent module using a neural network allows you to set

WORKING ZONE

SCHEDULE TASKS EMPLOYEE

ACCEPTABLE TIME ABSENCE ON WORKPLACE

HOW DOES IT WORK?

One or more surveillance cameras are installed in the working area, the TRASSIR server is installed

The person in charge sets the necessary parameters for the module's operation: working zones on the surveillance camera channels, employee working hours, permitted personnel absence time from their workplaces

TRASSIR Workplace Detector generates a notification and sends an alert to the responsible party when employees arrive late, leave early, or are absent from the workplace for more than the time permitted

The module creates daily reports on the actual time staff are present and absent on site and sends reports to the responsible party by email

Functionality can be expanded by connecting additional scripts

! **The TRASSIR Workplace Detector module is based on a neural network which ensures high object detection accuracy and reduction of false positives.**

USAGE SCENARIOS FOR TRASSIR
Workplace Detector

1

MONITORING COMPLIANCE WITH LABOR CODE STANDARDS
When an employee arrives late, leaves early, or is absent from the workplace for longer than permitted, an alarm notification is automatically sent to the responsible party and/or an audio alert plays

2

CREATION OF AN EVIDENCE BASE FOR THE SETTLEMENT OF LABOR DISPUTES
Recording to the archive and quick search allow to provide an evidence base for resolving conflicts and labor disputes

3

REDUCTION OF SUPERVISORY PERSONNEL
Automating control functions allows to reduce the number of employees involved in monitoring compliance with labor standards

4

FORMATION OF STATISTICS
Reporting allows to analyze the statistics of violations in labor conduct. The data can be used to optimize business processes

REACTION SCENARIOS:

NOTIFICATIONS IN THE TRASSIR INTERFACE:

When an employee is absent from their work area, an alarm event is generated, the incident is recorded on the server, and the responsible party receives an alert

GENERATING AND UPLOADING REPORTS:

The module allows to generate daily reports that are sent by email at a specified time. From these reports, you can determine:

• The employee's actual time spent in the work area as well as absences from it
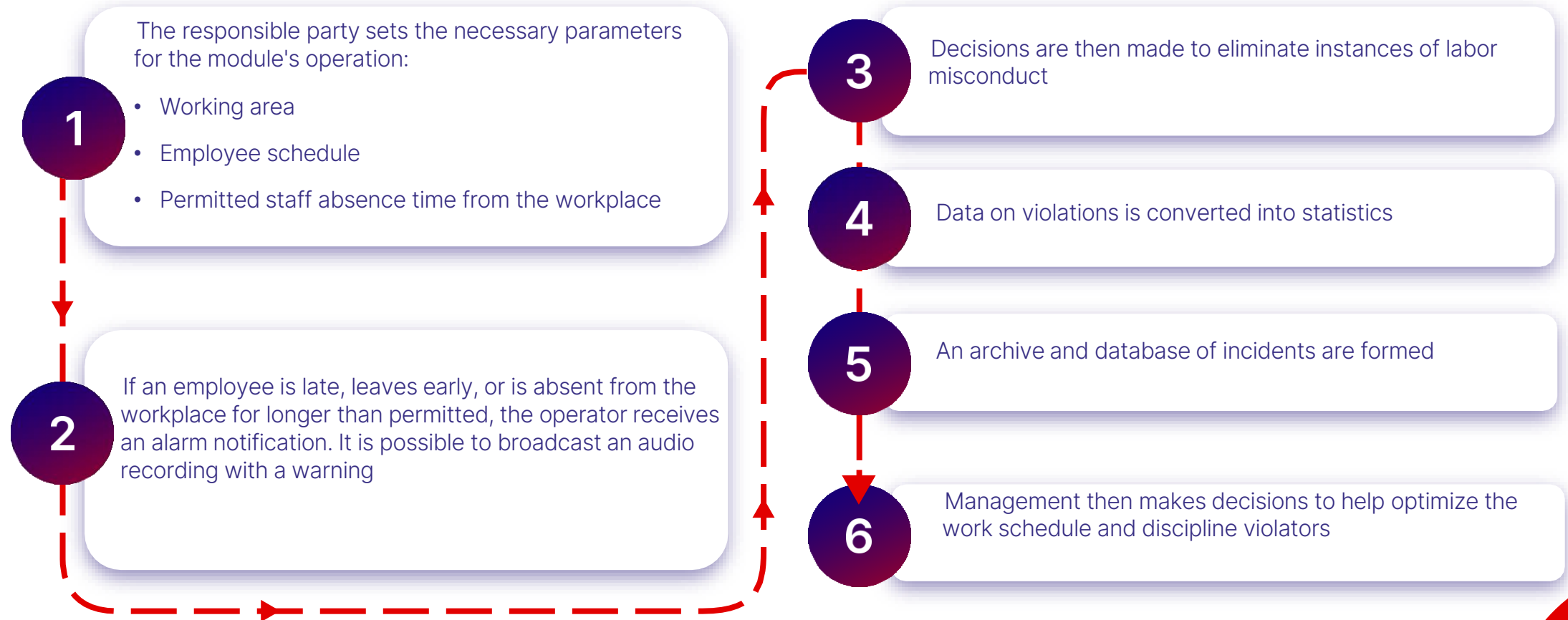
• Areas with the highest frequency of violations

NOTIFICATIONS:

• Push notifications in the TRASSIR Client (Mobile/Desktop)

• Email alerts

• Telegram

• You can also download data in CSV format or in json

SOLUTION FUNCTIONALITY. HOW DOES IT WORK?

1 The responsible party sets the necessary parameters for the module's operation:

- Working area
- Employee schedule
- Permitted staff absence time from the workplace

2 If an employee is late, leaves early, or is absent from the workplace for longer than permitted, the operator receives an alarm notification. It is possible to broadcast an audio recording with a warning

3 Decisions are then made to eliminate instances of labor misconduct

4 Data on violations is converted into statistics

5 An archive and database of incidents are formed

6 Management then makes decisions to help optimize the work schedule and discipline violators

AREAS OF APPLICATION

**Neural network module for tracking staff working time
TRASSIR Workplace Detector can be used in any field where:**

☑ There is a need to monitor labor conduct, record working hours, create a video archive or evidence base to settle incidents and labor disputes

☑ It is possible to clearly indicate the work area and install a camera connected to the video analytics system

SOLUTION ADVANTAGES

ECONOMY AND EFFICIENCY	Automating labor conduct monitoring allows you to optimize staff, save FOT, and ensure the highest quality control cycle
EVIDENCE BASE FOR PREVENTION OF LABOR CONDUCT VIOLATIONS AND SETTLEMENT OF INCIDENTS AND LABOR DISPUTES	An effective, automated system disciplines personnel and prevents most labor violations, which significantly increases productivity. The video archive stores the evidence base to help investigate incidents and settle labor disputes in court
OPERATOR INTERFACE	Real-time monitoring, prompt notifications of critical situations, and informative reporting.
TRASSIR CMS MANAGEMENT SYSTEM	A corporate solution for managing tens of thousands of servers and hundreds of thousands of cameras combined into a single system. System health monitoring. Access control. Consolidated collection of video analytics data
TRASSIR VMS MANAGEMENT SYSTEM	A local system for convenient camera and server management. Allows you to monitor server health and ensures the reliability of archive recording
INTEGRATION	Provides the necessary set of mechanisms for integration with hardware
INDEPENDENCE	Can be used with most third-party equipment
MODIFICATION	Functionality can be expanded by connecting additional scripts

TRASSIR Workplace Detector features:

✓

Support for
Offload analytics

✓

Works only on TRASSIR
series Neuro Station NVRs and
on TRASSIR daemon for Unix-
like systems

✓

Has the option to expand
functionality by connecting
additional scripts

Connecting pre-installed NVRs to a single TRASSIR NeuroStation server allows you to use all the capabilities of neural network analytics with any video surveillance system

YOU MAY ALSO BE INTERESTED IN TRASSIR MODULES:

Staff Tracker — monitors the quality of work

Face Recognition — recognizes and searches for people based on a pre-configured database of faces

AutoTRASSIR — Identifies car license plates

Pose Detector — analyzes people's poses, identifying possible threats

Neuro Counter — counts visitors

Face Mask Detector — detects the use of protective masks in public places