

# MALLENOM SYSTEMS

## EYECONT video analytics system

# EYECONT intelligent system

Professional video analytics system for solving following tasks:

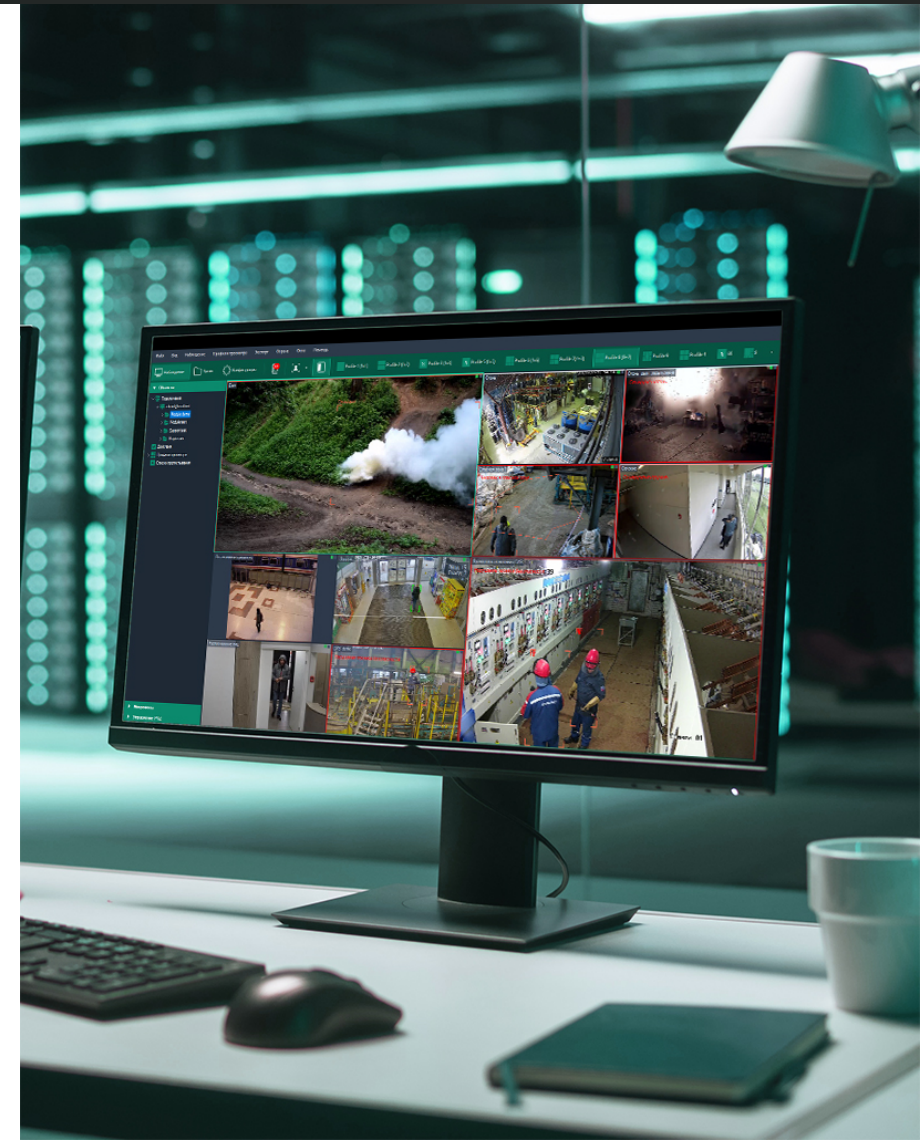
- occupational health and industrial safety at work
- security control in municipal institutions
- business process optimization

EYECONT allows to build scalable video surveillance systems with an unlimited number of servers

System detects incidents in real time

Records events in the alarm log

Notifies about violations via Email or Telegram





# EYECONT intelligent system



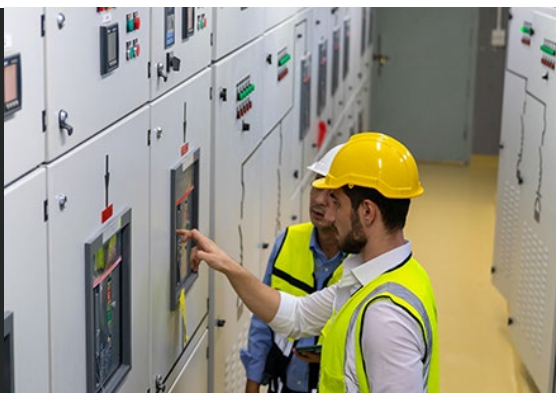
Occupational health and industrial safety



Security at municipal and educational institutions



Solution for electric grid and power utility companies



Solution for the food industry and trading companies



# EYECONT for occupational health and industrial safety

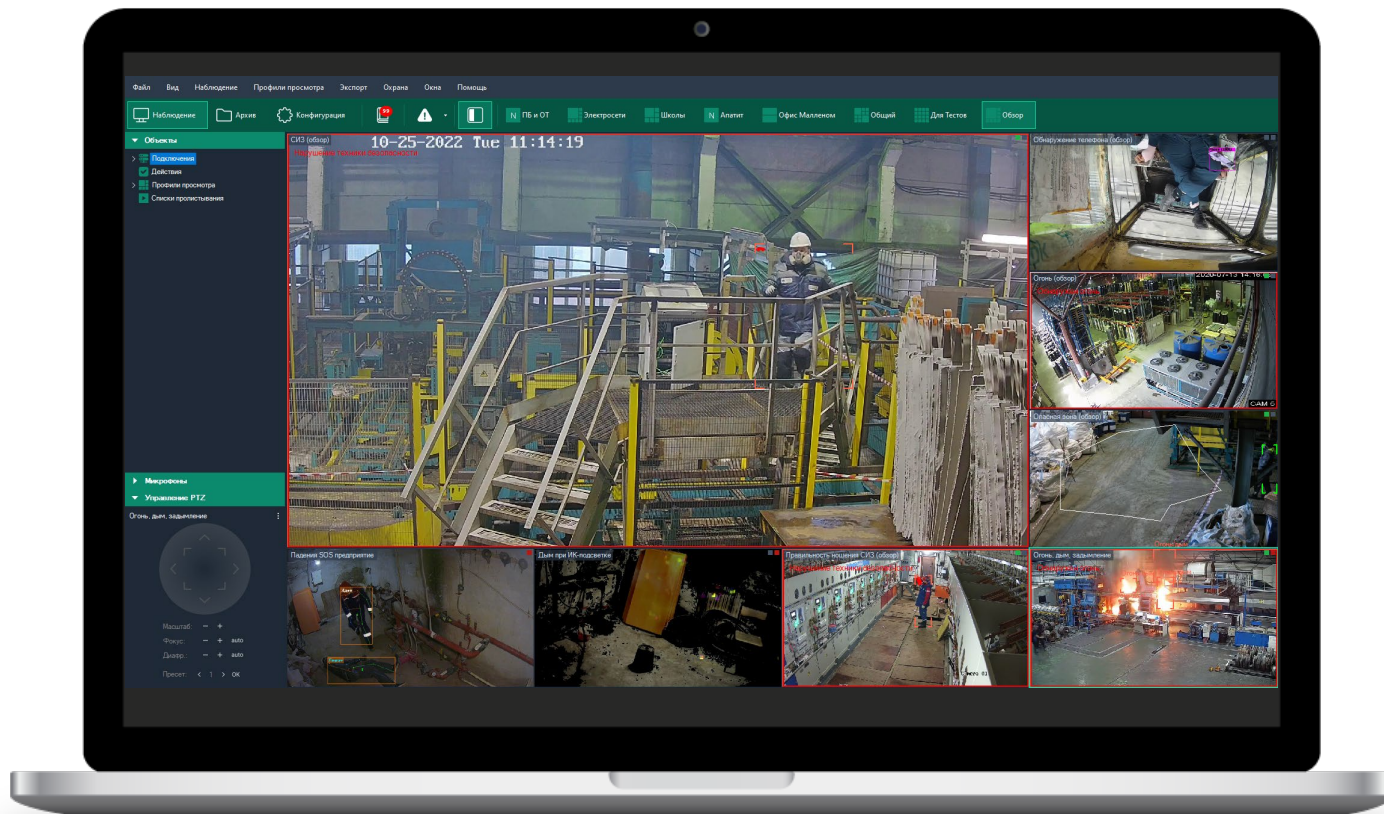


EYECONT system solves the tasks of improving safety at work, preventing industrial injuries and emergencies.

- ✓ Decrease in number of injuries and lethality
- ✓ Decrease in compensation payments to employees
- ✓ Reduction of costs for equipment downtime due to accidents
- ✓ Reduction of insurance premiums
- ✓ Improvement of work discipline
- ✓ Reduction of enterprises reputational risks



# EYECONT for occupational health and industrial safety. Functionality



## Control of PPE use by personnel

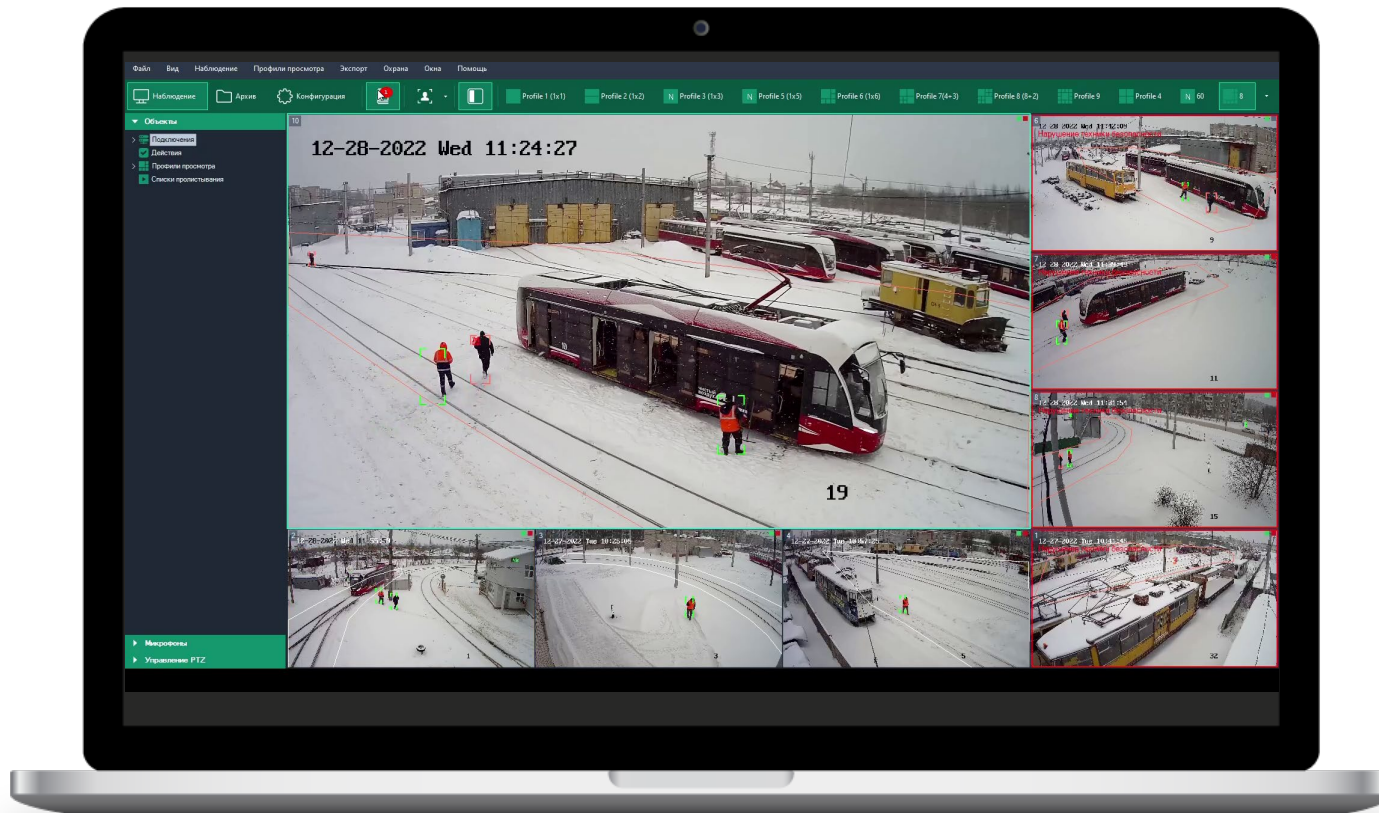
- ✓ Control of 15 types of PPE
- ✓ Control of PPE completeness depending on the type of personnel
- ✓ Control of correct PPE wearing

## Control of personnel actions

- ✓ Monitoring the presence of personnel in a given working area and their absence in this area for longer than the set time
- ✓ Determining the state of an employee: walking, falling, lying
- ✓ Control of attaching an employee to a safety harness
- ✓ Determination of a person giving an SOS signal
- ✓ Detection of smoking in the smoking-free areas



# EYECONT for occupational health and industrial safety. Functionality



## Detection of people in dynamic and static hazardous areas

- ✓ Setting up hazardous areas of any shape and size
- ✓ Log in the entry of people into hazardous areas

## Hazardous events control

- ✓ Detection of fire in challenging conditions (minimum illumination) at early stage
- ✓ Detection of abandoned objects, anti-terrorism security

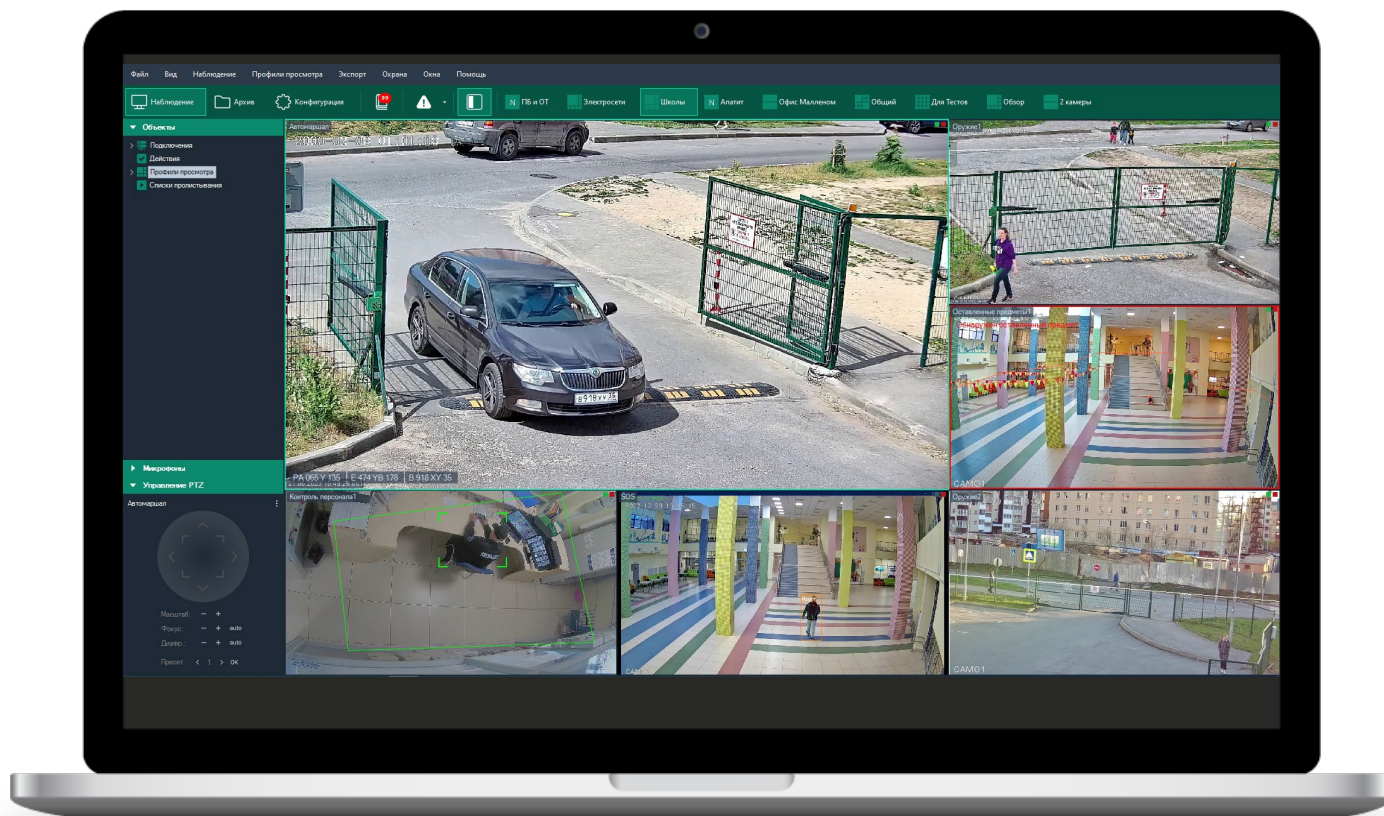
# EYECONT for security control at municipal institutions

EYECONT system provides a wide range of options for security of educational and municipal institutions, including the recognition of potential threats, automatic notification of security services and access control to the territory.

- ✓ Log in violation from several cameras at different areas of the institution simultaneously
- ✓ Exclusion of the human factor and mistakes in the process of monitoring due to loss of concentration during long-term viewing of a monotonous video sequence
- ✓ Improvement of work discipline of institutions' employees
- ✓ Reduction of incidents and formation of evidence base for their analysis
- ✓ Informing responsible persons about an incident or potential threat via messengers in real time



# EYECONT for security control at municipal institutions. Functionality



## Access control for vehicles entering the territory

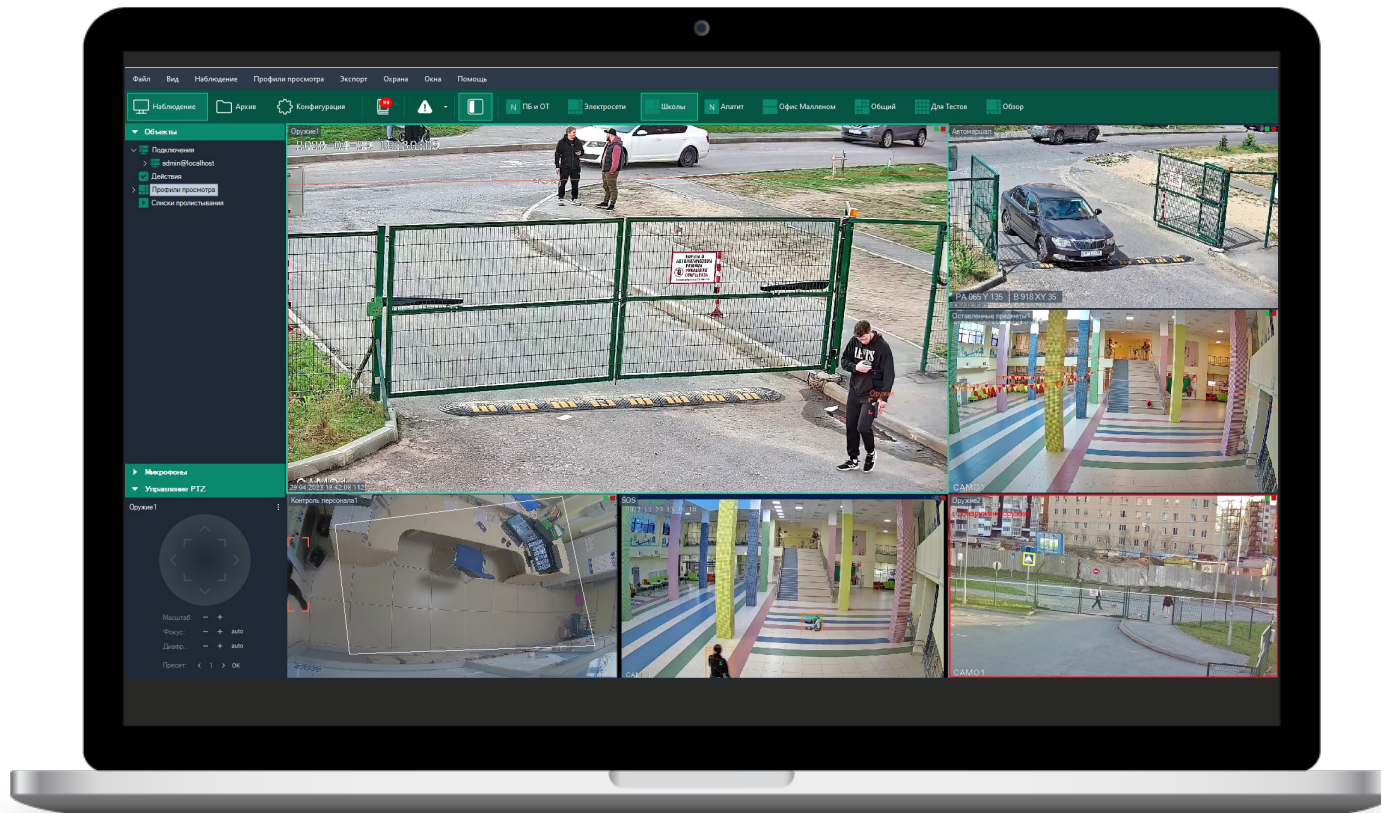
- ✓ Tracking the number plates of vehicles entering the parking lot
- ✓ Creation of custom vehicle lists for automatic access to the territory
- ✓ Photo collection of each entering and leaving vehicle
- ✓ Saving information in the archive and searching for license plates by a set of features
- ✓ Maintaining an archive of license plates with the possibility of linking additional information

## Detection of left unattended objects

- ✓ Detection of stationary objects that are in the surveillance area for longer than a specified time interval



# EYECONT for security control at municipal institutions. Functionality



## Detection of firearms

- ✓ Detection of presence and use of firearms
- ✓ Distinguishing firearms from a mobile phone or other similar items
- ✓ Notification of responsible persons via messengers in real time

## Control of personnel at the post

- ✓ Setting the boundaries of the employee's work area
- ✓ Detection of employee at the post in a specified work area

# EYECONT for electric grid and power utility companies

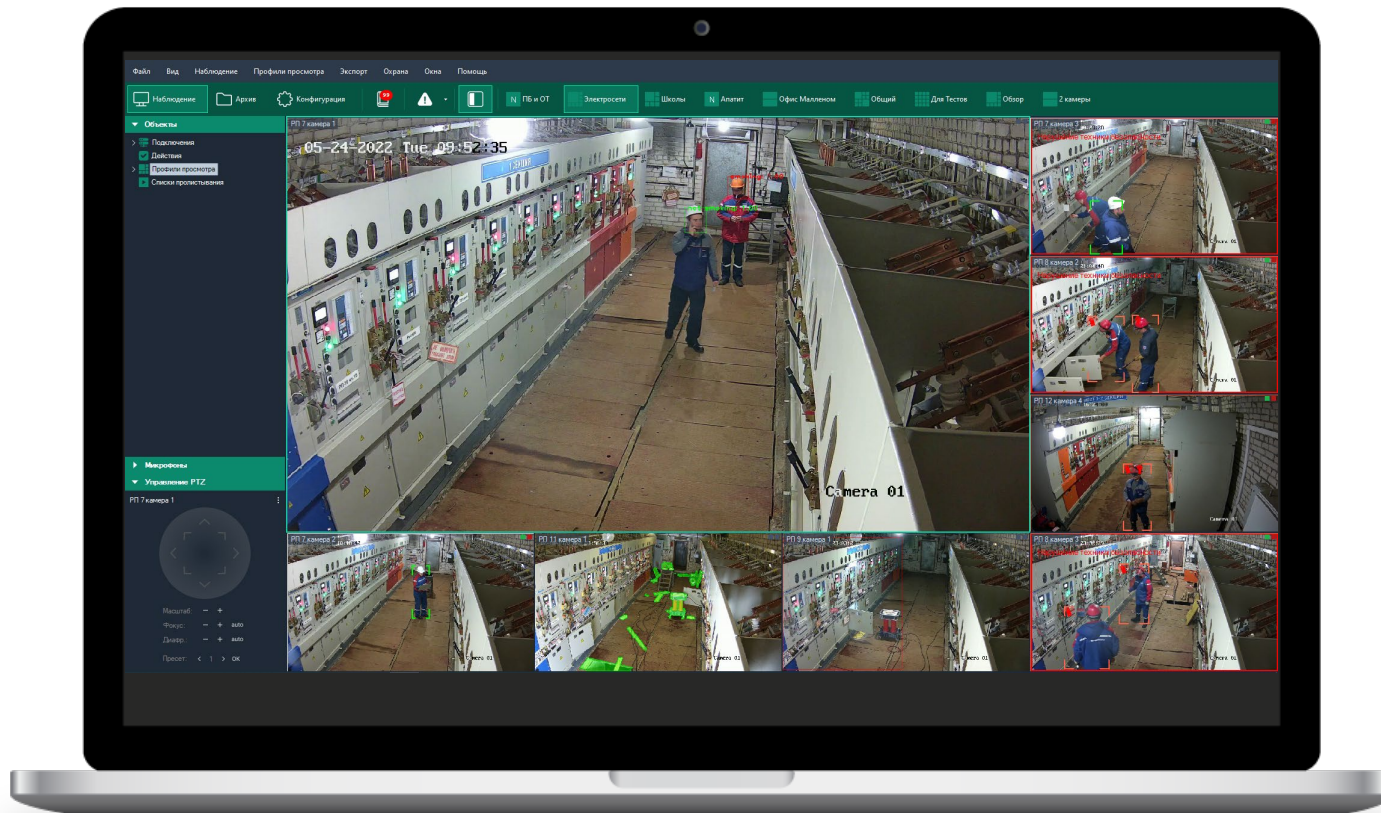


EYECONT video analytics system for control of compliance with industrial safety rules and regulations at electric grid and power utility companies.

- ✓ Decrease in number of injuries and lethality
- ✓ Decrease in compensation payments to employees
- ✓ Reduction of insurance premiums
- ✓ Complete control for the safety of personnel at distribution and transformer power substations that are scattered across the city
- ✓ Exclusion of the human factor from the process of monitoring compliance with occupational health and industrial safety rules
- ✓ Improvement of workplace discipline and compliance with safety rules and regulations



# EYECONT for electric grid and power utility companies. Functionality



## Control of PPE use by personnel

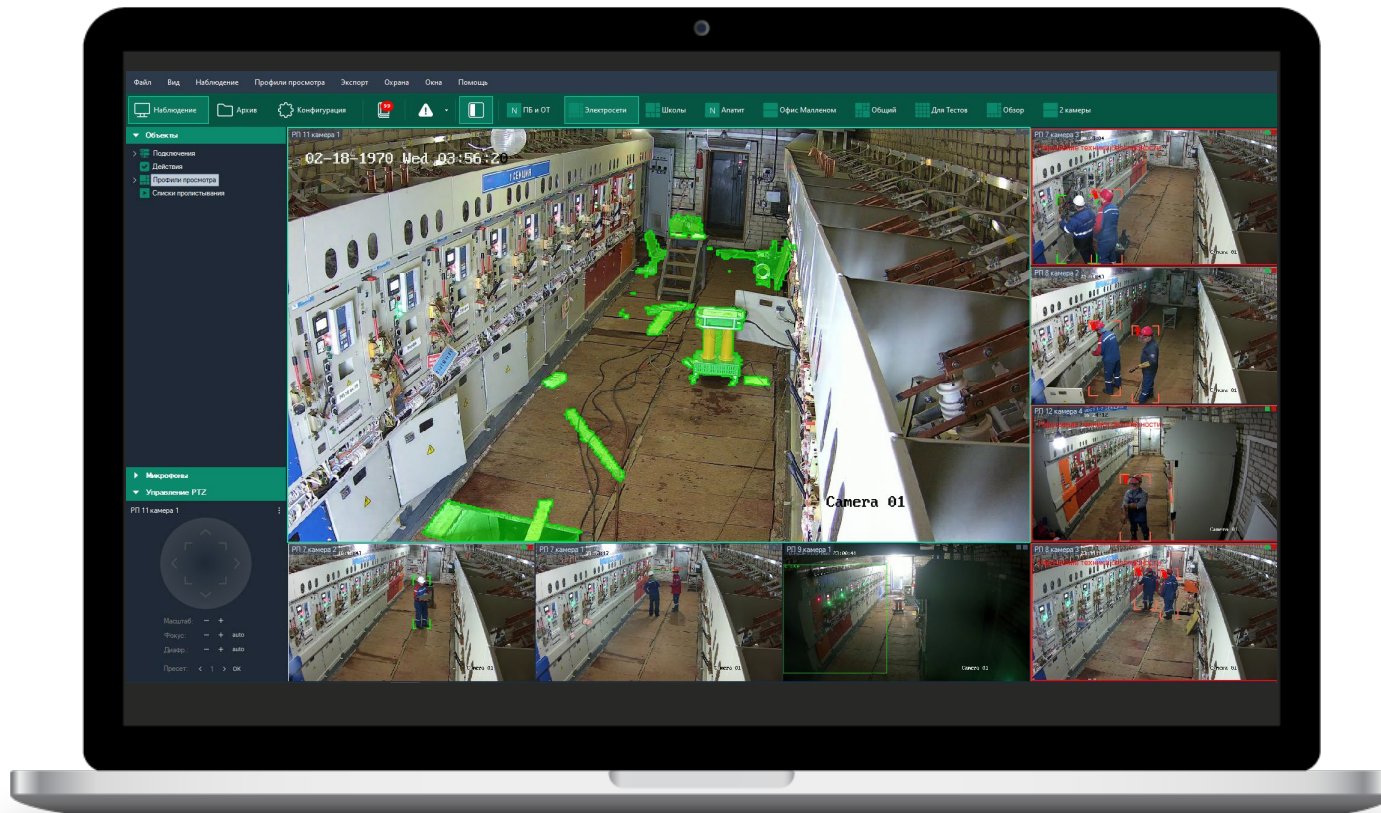
- ✓ Control of 15 types of PPE
- ✓ Control of PPE completeness depending on the type of personnel
- ✓ Control of correct PPE wearing

## Control of personnel actions

- ✓ Detection of smoking on the premises of distribution and transformer power substations
- ✓ Control of mobile phone use



# EYECONT for electric grid and power utility companies. Functionality



## Control of hazardous events

- ✓ Detection of cluttered paths between cells at distribution and transformer power substations
- ✓ Detection of doors left open in switchgear cells after personnel leave distribution and transformer power substations
- ✓ Detection of fire in challenging conditions (minimum illumination) at early stage

# EYCONT system

## Purchase options

We offer two options for the EYECONT video analytics system:

**EYECONT.VMS** is a complete solution for video surveillance with a simple interface and the ability to connect various packages of modules to choose from

**EYECONT.SDK** is a software development kit of tools for integrating video analytic modules into third-party video surveillance systems

EYECONT.VMS



EYECONT.SDK



## Complete solution for video surveillance

EYECONT.VMS (Video Management Software) is a single structured system with a client-server architectural, intuitive interface and a wide range of applications.

It provides an opportunity to build scalable video surveillance systems with an unlimited number of servers and connect various video analytical modules

## Supply options:

EYECONT VMS Lite is the software for creating a small IP video surveillance system containing up to 30 IP cameras.

EYECONT VMS Pro is the software for creating IP video surveillance system containing an unlimited number of IP cameras.

EYECONT VMS Ultimate is the software that enables to combine a set of remote servers into a common domain managed by the main server.

## EYECONT.VMS functionality:

- ✓ Recording video to the archive by set condition or by schedule
- ✓ Displaying live video from IP cameras, Web cameras, video servers and IP DVRs
- ✓ Intelligent searching for records in the archive by a set of filters
- ✓ Remote monitoring of system parameters
- ✓ Hierarchical setting of access rights
- ✓ Performing actions (sending SMS, E-mail, etc.) according to specified conditions
- ✓ Connecting required analytics modules



## The software kernel of surveillance system for people and events

EYECONT.SDK (Software Development Kit) is a set of development tools built on a microservice architecture. It provides an opportunity to integrate various video analytic modules into third-party systems software.

### EYECONT.SDK is for:

- ✓ integrators
- ✓ software developers
- ✓ developers of video surveillance systems and video analytics
- ✓ full-time development teams at enterprises

EYECONT.SDK supports both Windows and Linux (including Astra Linux) operating systems.

## EYECONT.SDK includes

- ✓ Software processing kernel that enables to interact with the SDK via REST API. It contains basic logic for the modules, aggregates results of the algorithms (including neural networks) and generates events
- ✓ Neural network kernel that manages neural networks and image processing
- ✓ Configuration tool for setting up software and neural network kernels before launching
- ✓ Test software environment that enables to access functionality of EYECONT.SDK before its implementation
- ✓ Security key and license file
- ✓ Licensing manager for activating the software license key

# EYECONT system Implemented projects



Russian  
metallurgical  
production plant

[ПОДРОБНЕЕ](#)



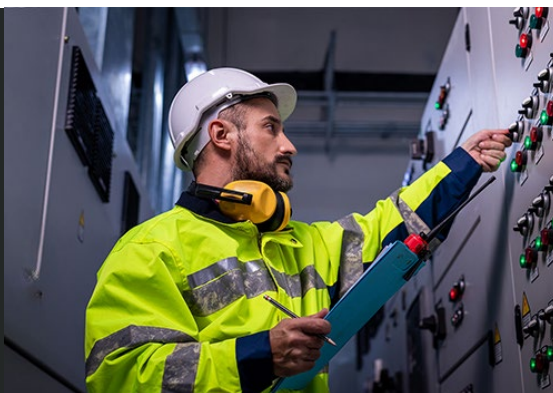
“Electrotrans” municipal  
tram depot

[ПОДРОБНЕЕ](#)



Control of compliance  
with safety regulations  
in the power supply  
company

[LEARN MORE](#)



Security Control at  
Educational Institutions

[LEARN MORE](#)





PLEASE FEEL FREE TO  
CONTACT US TO LEARN  
MORE ABOUT OUR  
SOLUTIONS

Andrey Kalinyak  
sales@mallenom.ru  
www.mallenom.com

