

TRASSIR ACCESS CONTROL SYSTEM

Access Control is a part of TRASSIR system





KEY FEATURES

TRASSIR ACS module is a proprietary access control and management system based on the TRASSIR platform and is a part of the eponymous system



ADVANTAGES



Multivendor ACS

(TRASSIR, HikVision, HiWatch, ZkTeco, TrueIP)



Integrated security system

(CCTV, video and event analytics, fire alarm system, ACS, intercom, cloud technologies)



Client customization available

(Rules, Scripts, Open API)



Economy and simplicity

(No need for an additional server or additional licenses for integration; one license for all features and a user-friendly interface)



Distributed

(possibility of organizing a system to monitor working hours and access control at distributed industrial facilities with access management and working hours control from the head office)



Security

(the use of video surveillance and terminals with biometrics allows you to strictly control access and prevents entry using another person's card)

TRASSIR ACCESS CONTROL HARDWARE

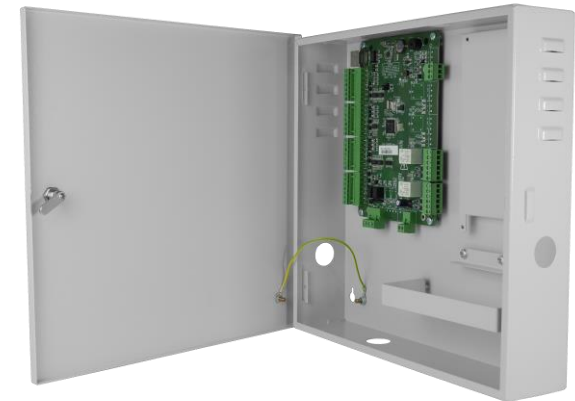


TRASSIR TR-C241 CONTROLLER

TWO VERSIONS:

1. TR-C241 – Controller board
2. TR-C241B – Board in a case with space for UPS and battery installation

- Network interface..... TCP/IP
- Storage capacity Cards: 10,000; Events: 50,000
- Number of doors 2
- Door reader interface Wiegand (W26/W34)
- Readers per door 2
- Operating temperature..... from -20 to +65 °C
- Operating voltage DC 12 V



TRASSIR TR-C481 CONTROLLER

TWO VERSIONS:

1. TR-C481 – Controller board

2. TR-C481B – Board in case with space for UPS and battery installation

- Network interface..... TCP/IP
- Storage capacity..... Cards: 100,000, Events: 300,000
- Number of doors..... 4
- Connecting readers Wiegand (W26/W34), RS-485/OSDP
- Number of readers 4 Wiegand and 8 RS-485/OSDP
- Alarm I/O 4 inputs and 2 outputs
- Operating temperature From -20 to +65 °C
- Operating voltage DC 12 B
- Battery monitoring function
- Enclosure door opening sensor



TRASSIR TR-R1M MIFARE CARD READER

- Operating voltage..... DC 12 V
- Waterproof level..... Ip64
- Operating temperature From -40 to +70 °C
- Connection interface Wiegand / RS-485
- Indication method Beeper and LED-indicator
- Size 129x76x14.7 mm



A hand is shown using a fingerprint scanner on a door lock. The background is a blurred office hallway with a door and a poster. The entire image has a blue-to-purple gradient overlay.

OTHER VENDORS' EQUIPMENT SUPPORT

EQUIPMENT THAT SUPPORTS TRASSIR ACS

HIKVISION ACS

Controllers

Fingerprint access terminals

Face recognition access
terminals

Temperature measuring access
terminals

ZKTeco access terminals

SpeedFace-V4L

SpeedFace-V5L

ProfaceX



Министерство Внутренних Дел Республики Казахстан
Управление по лицензированию деятельности юридических лиц
и индивидуальных предпринимателей

ЛИЦЕНЗИЯ

от 6 апреля 2012 г.

№ 3-Е/00156

Исключительно

Допускается на занятие, осуществляемую
лицензиатом в рамках своей исключительной
предпринимательской деятельности в соответствии
с лицензией № 3-Е/00156 от 06.04.2012 г.

LICENSING

Лицензия выдана на основании заявления, поданного
лицензиатом в соответствии с требованиями Закона
Республики Казахстан от 11 июля 2007 года № 110-III
«О лицензировании отдельных видов деятельности»
и в соответствии с лицензионными условиями
осуществления лицензируемой деятельности.
Лицензия действует с даты выдачи до 31.12.2012 г.
Лицензиат обязан соблюдать лицензионные условия
осуществления лицензируемой деятельности.
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Исполнительный директор
Управления по лицензированию деятельности
юридических лиц и индивидуальных предпринимателей
М.А.А.А.

LICENSING

Basic license

Extension licenses



“TRASSIR ACS” Module

The license includes the connection of ANY single device

“TRASSIR ACS+1 TRASSIR” Extension

Connection of one additional TRASSIR controller (without face detection)

Extension “TRASSIR ACS +1 HikVision

Allows connection of one additional device (without facial recognition) from Hikvision

“TRASSIR ACS +1 HikVision Face” Extension

Connection of one additional device (with facial recognition) from Hikvision

“TRASSIR ACS +1 ZkTeco Face” Extension

Connection of one additional device (with facial recognition) from ZKTeco

“TRASSIR ACS +1 HiWatch Face” Extension

Connection of one additional device (with facial recognition) from HiWatch

“TRASSIR ACS +1 TrueIP” Extension

Connection of one additional TrueIP device

LICENSING EXAMPLE

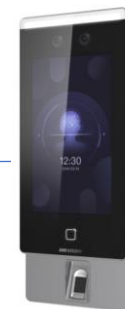
«TRASSIR ACS» Module



Included in the price of the basic TRASSIR ACS license



"TRASSIR ACS+1 HikVision Face" Extension



"TRASSIR ACS+1 HikVision" Extension



A man in a dark suit and white shirt is standing in profile, interacting with a self-service kiosk. The kiosk has a touchscreen display and a card reader. In the background, there are other kiosk units and a large window with a grid pattern. The entire image is overlaid with a semi-transparent purple and blue gradient. The text "TYPES OF CREDENTIALS" is centered in white, bold, uppercase letters.

TYPES OF CREDENTIALS

TYPES OF IDs



Cards

Organize access by traditional contactless cards



Fingerprints

Deploy an identification system fingerprint



PIN-codes

Create pass rules by individual PIN codes



Faces

With the help of software and hardware facial recognition for employees and visitors build a contactless access system



License plate numbers

Customize your lot's vehicle access with AutoTRASSIR license plate identification module





FEATURES

FEATURES

Managing personnel

Access management

Setting up and managing equipment

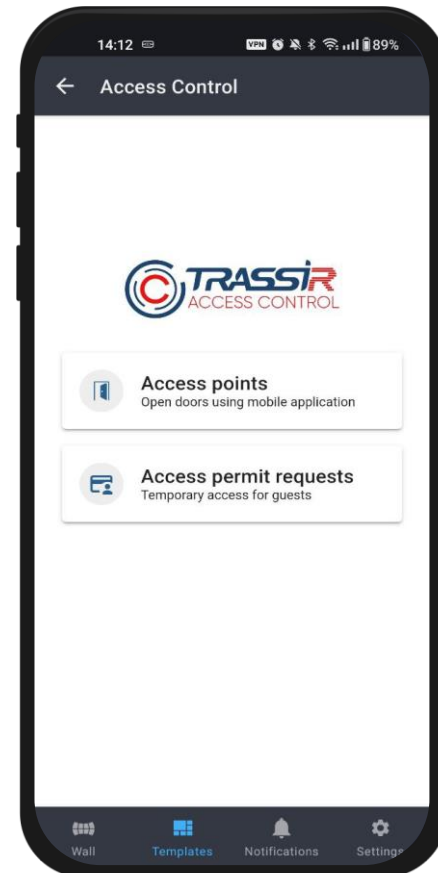
Accounting for working periods

Managing guest credentials

Configuring flexible reactions to events in the system

Working from browser and mobile app

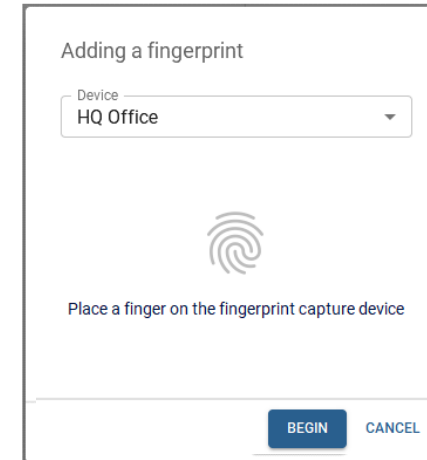
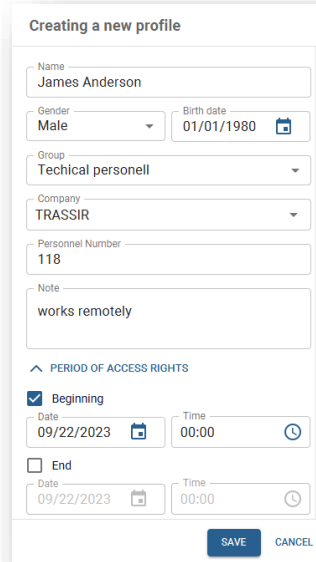
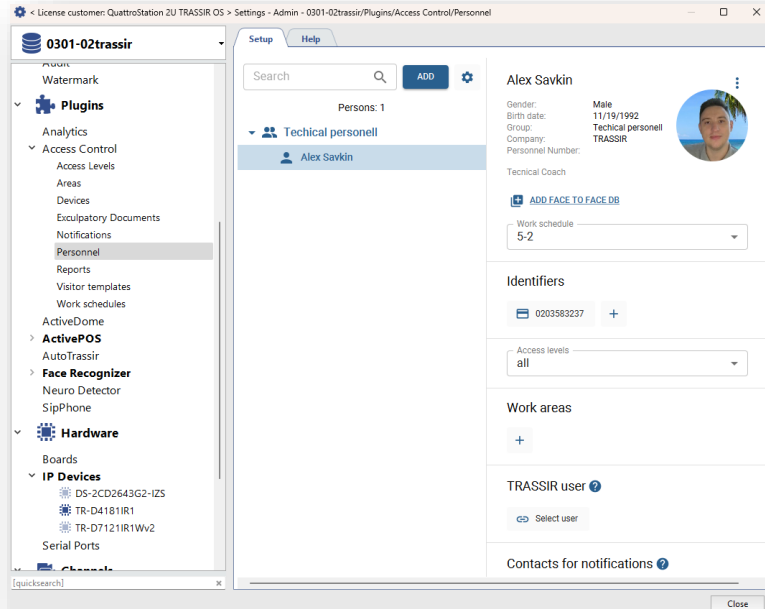
Open API



A man in a dark suit and tie is standing at a self-service kiosk in a modern office. He is looking at the kiosk's screen and has his hand on the device. The kiosk has a large screen and a smaller screen below it. In the background, there are other kiosk units and a large window. The text "MANAGING PERSONNEL" is overlaid in white on the image.

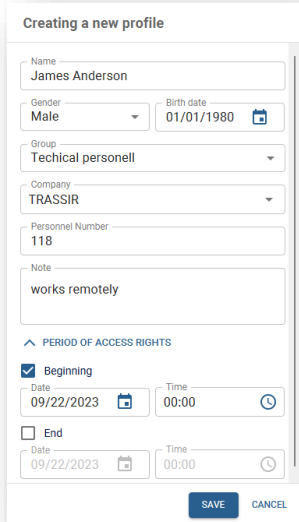
MANAGING PERSONNEL

CREATING AND EDITING PROFILES



You can create new employee profiles, or import them into the system from a preexisting file if you already have a list with identifiers, positions, etc. Employee profiles can be arranged by group, folder, or department. It is also possible to set access levels for which areas certain employees may enter at specific times, and add employee identifiers: fingerprints, license plates, faces, etc. Additionally, there is a function to assign shift schedules and add additional data (name, date of birth, etc.) for employees. Biometric data can be loaded from the terminal.

ADDING OPTIONAL FIELDS FOR



Creating a new profile

Name: James Anderson

Gender: Male Birth date: 01/01/1980

Group: Technical personell

Company: TRASSIR

Personnel Number: 118

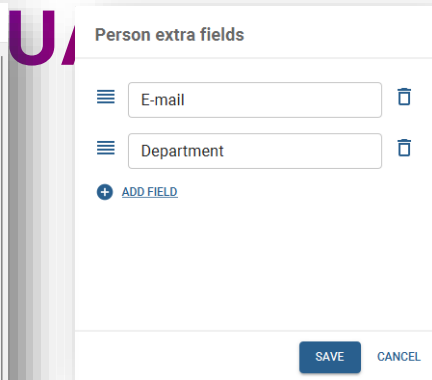
Note: works remotely

PERIOD OF ACCESS RIGHTS

Beginning
Date: 09/22/2023 Time: 00:00

End
Date: 09/22/2023 Time: 00:00

SAVE CANCEL



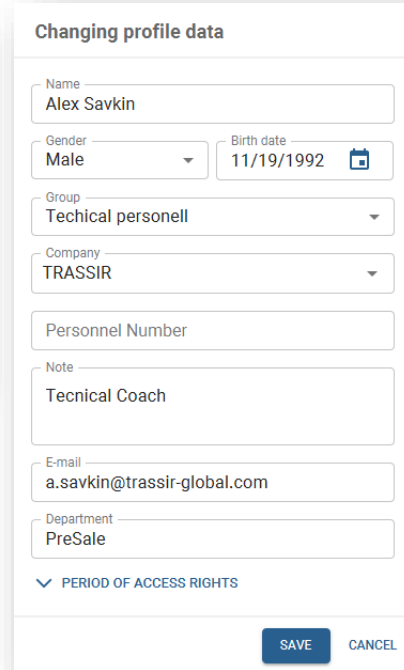
Person extra fields

E-mail

Department

+ ADD FIELD

SAVE CANCEL



Changing profile data

Name: Alex Savkin

Gender: Male Birth date: 11/19/1992

Group: Technical personell

Company: TRASSIR

Personnel Number

Note: Technical Coach

E-mail: a.savkin@trassir-global.com

Department: PreSale

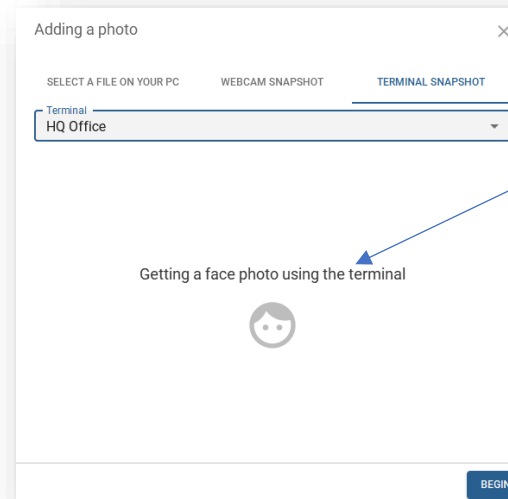
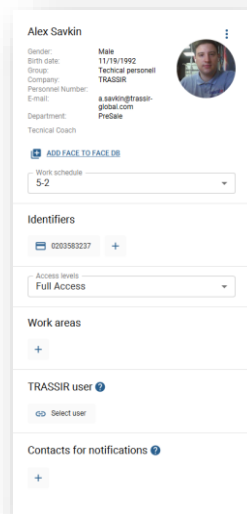
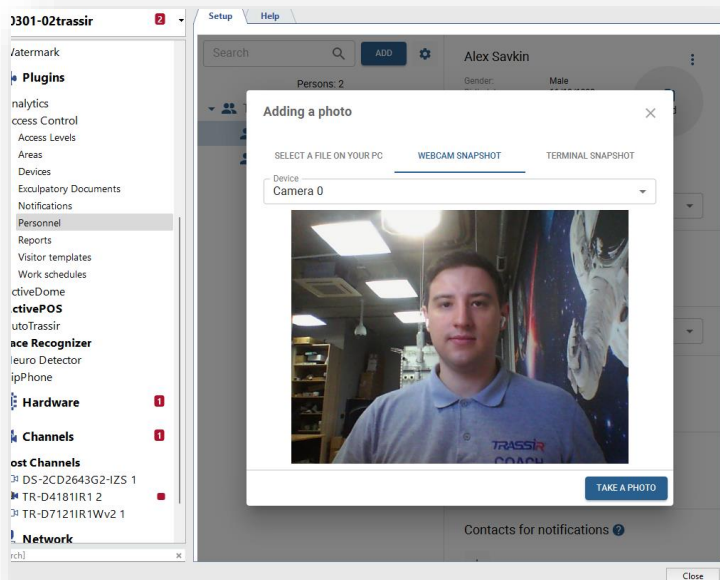
PERIOD OF ACCESS RIGHTS

SAVE CANCEL

The system allows creation of custom fields. To add additional information to an individual's profile, create field, label it (organization, position, contacts for communication, etc.), and this field will be applied to all persons.

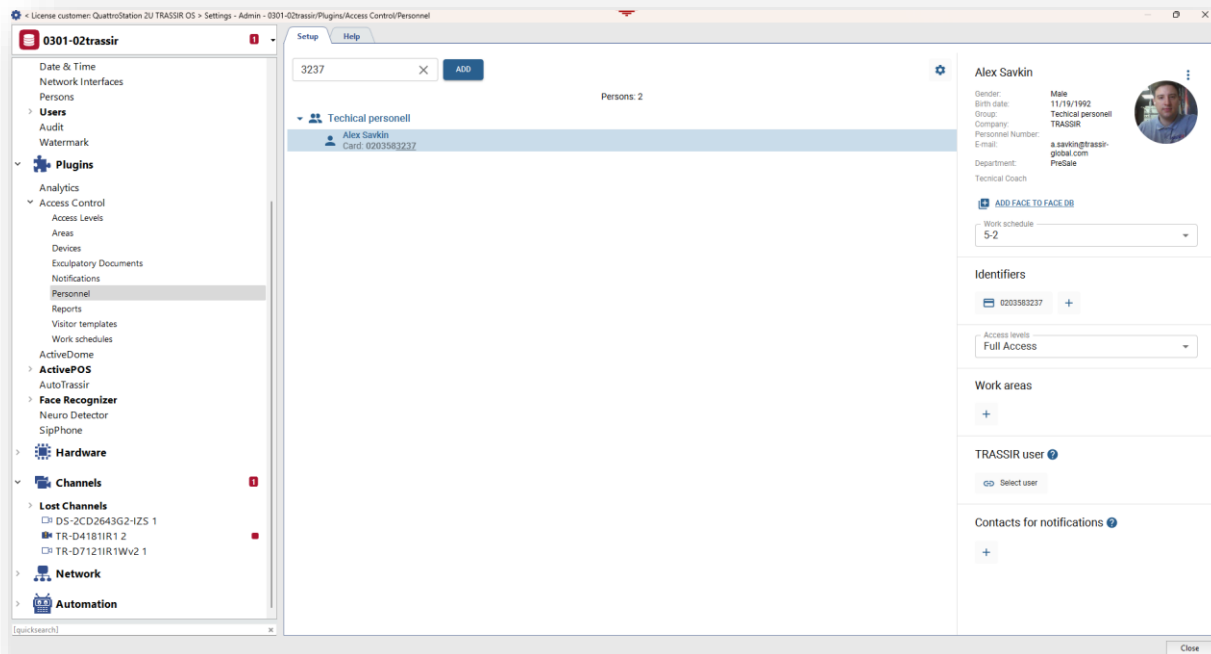


ADDING PHOTOS TO A PROFILE



A profile picture may be added for each person. It can be imported from an existing file or from an access terminal with facial recognition function.

CONVENIENT SEARCHING



Individuals can be found using a quick and easy contextual search of people using any details.

TEMPORARY PERSONS

Creating a new profile

Name:

Gender: Birth date:

Group:

Company:

Personnel Number:

Note:

E-mail:

Department:

PERIOD OF ACCESS RIGHTS

Beginning
Date: Time:

End
Date: Time:

Alejandro Rodriguez

Gender: Male
Birth date: 01/01/1980
Group: Persons
Company:
Personnel Number:
E-mail:
Department:

Work schedule:

Alex Savkin

Gender: Male
Birth date: 11/19/1992
Group: Technical personell
Company: TRASSIR
Personnel Number:
E-mail: a.savkin@trassir-global.com
PreSale

Department:

Work schedule:

Identifiers

Access levels:

Alex Savkin

Gender: Male
Birth date: 11/19/1992
Group: Technical personell
Company: TRASSIR
Personnel Number:
E-mail: a.savkin@trassir-global.com
PreSale

Department:

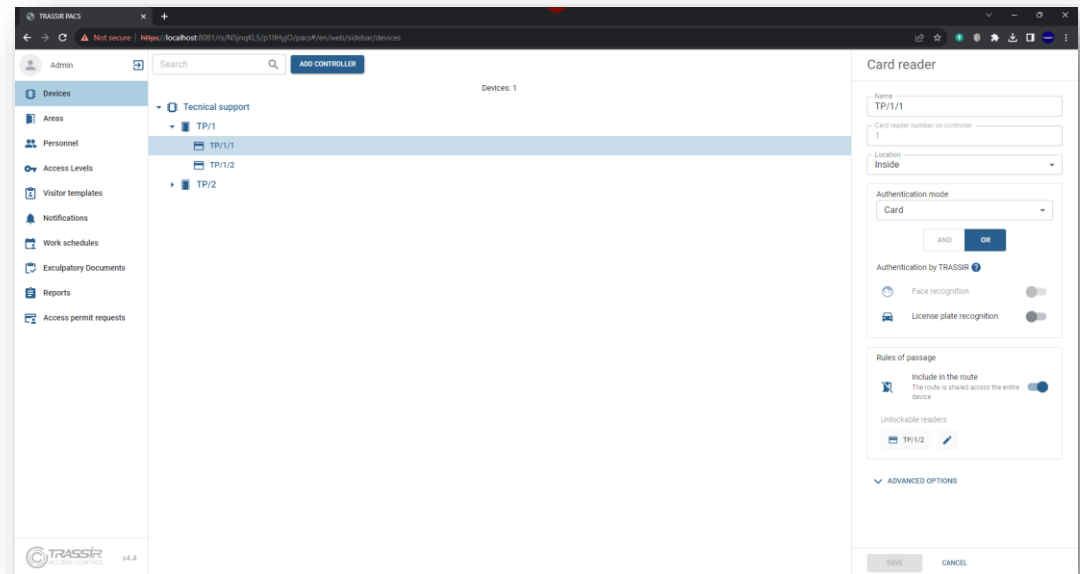
Work schedule:

In TRASSIR ACS, you can integrate temporary persons, i.e. those employees who need to be given access for a limited period of time. In addition to granting temporary access, temporary blocking is also available.



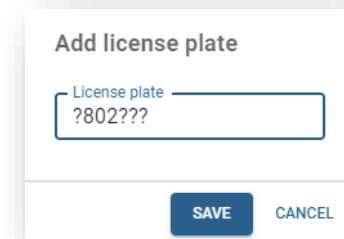
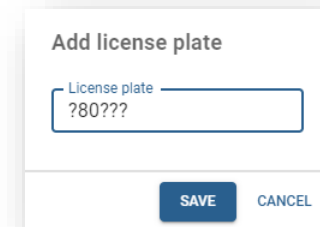
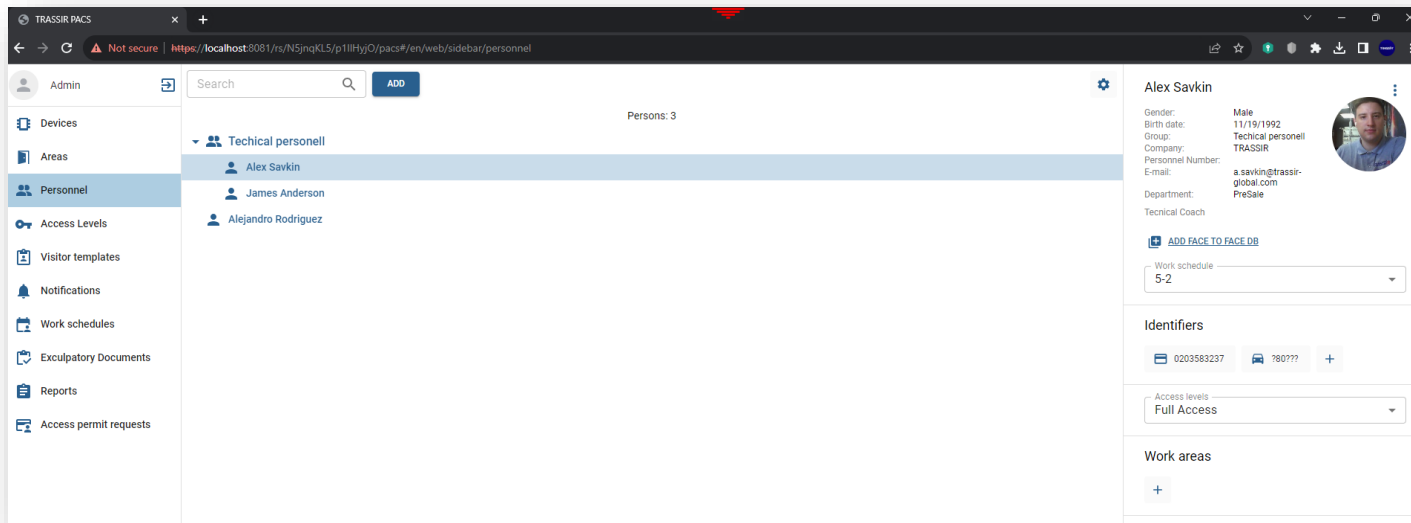
CONFIGURING MISMATCHED CHARACTERS FOR CAR LICENSE PLATE RECOGNITION

When organizing automatic passage with TRASSIR ACS and AutoTRASSIR, it is possible to adjust the error of license plate recognition. This comes in handy when it is impossible to achieve high recognition quality for one reason or another



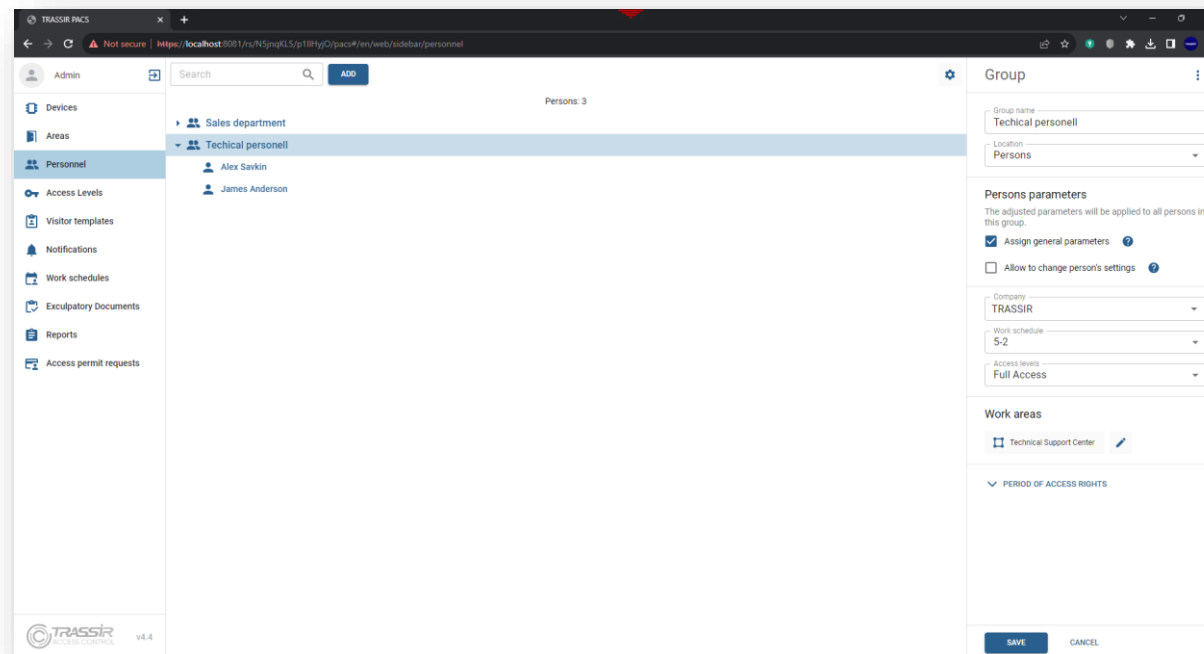
LICENSE PLATE MASKING

TRASSIR ACS provides the ability to mask those license plates that are poorly recognized by the system, for example, due to poor license plate quality.



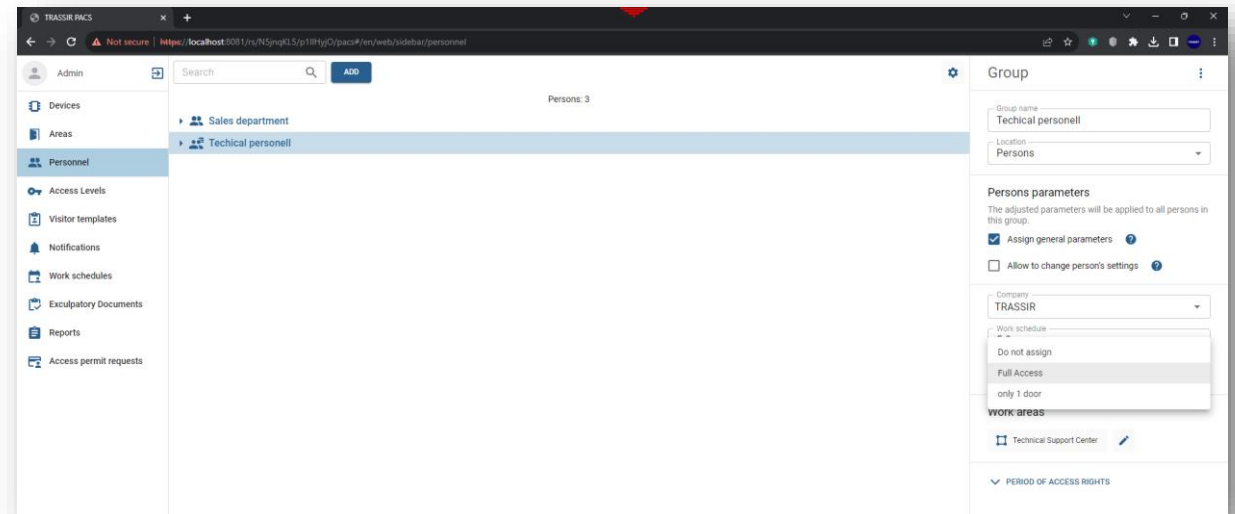
GROUP MANAGEMENT. GROUP PARAMETERS

In TRASSIR ACS you can work with groups of users, which is relevant for large facilities with a high number of users. By defining parameters on personnel groups and adding a person to a particular group, they automatically get the parameters of the group to which they were added. The only thing left to do is to assign the person a unique ID, be it a card, license plate number or other identifier.



GROUP MANAGEMENT. MASSIVE CHANGE IN PARAMETERS

If you need to change the access level for a large number of employees, you can select the required number of people and change the required access parameters in a few clicks.



A man in a dark suit and tie is standing in profile, interacting with a self-service kiosk. The kiosk has a touchscreen display and a card reader. The background shows a modern office environment with glass partitions and a digital display board showing a list of names and dates. The entire image is overlaid with a semi-transparent blue and purple gradient.

ACCESS MANAGEMENT

ACCESS LEVELS

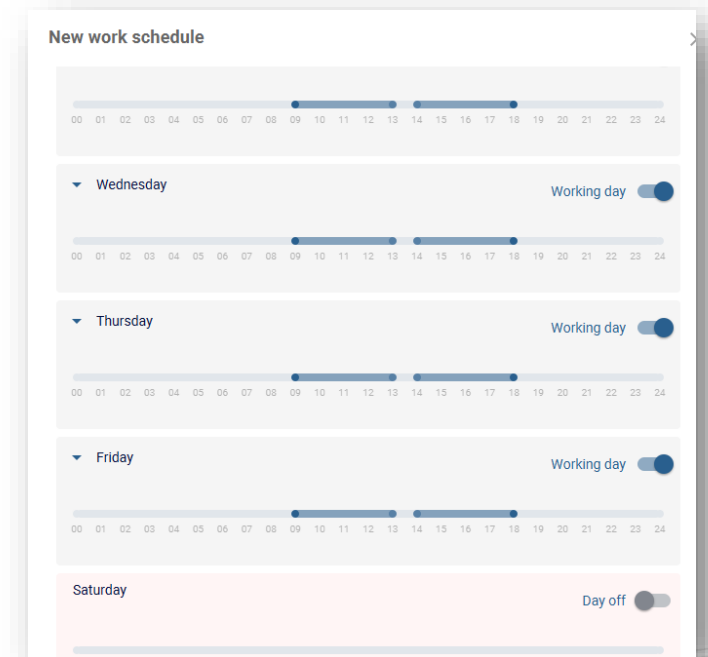
The 'Access Level' configuration form includes the following sections:

- Name:** Input field containing 'only 1 door'.
- Comment:** Text area for additional notes.
- Access points:** Section with a button labeled 'TP/1' and an edit icon.
- Persons and groups:** Section with a user icon and the name 'Alejandro Rodriguez' and an edit icon.
- Calendar:** Section with a 'SETUP SCHEDULE' button.

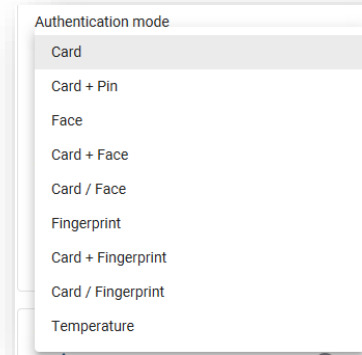
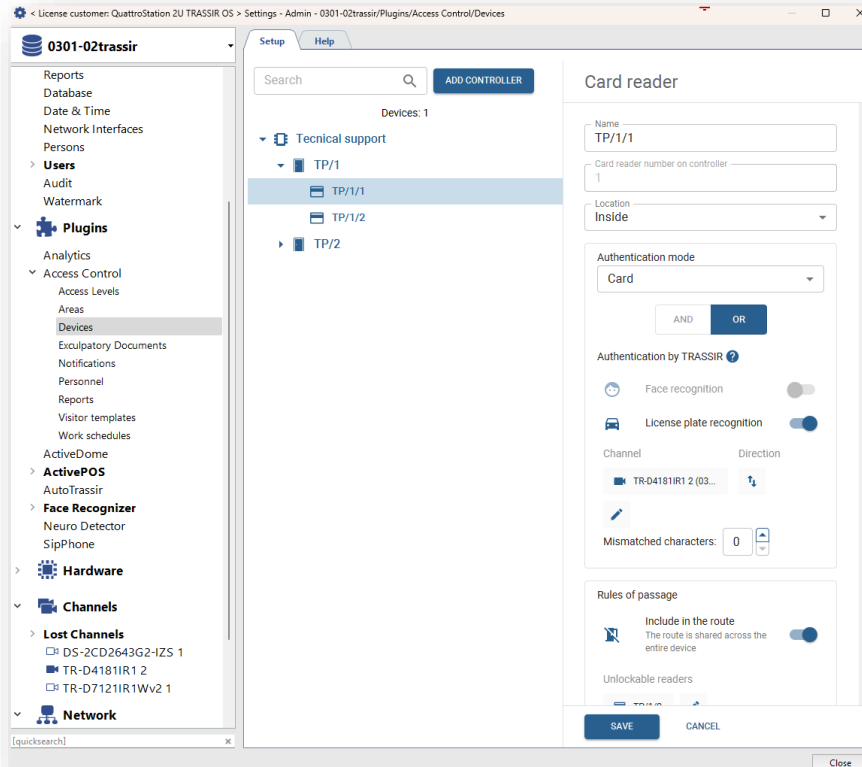
NAME	COMMENT	ASSIGNED TO
Full Access	access to all doors and areas	Persons: 3
access to the 2th floor		Persons: 1
access to the 3th floor		Not assigned
access to the 4th floor		Not assigned
access to the 5th floor		Not assigned
only 1 door		Persons: 1

Access levels or access patterns allow you to assign the times when an employee has a permission to enter and access specific points. Access levels can be assigned to a specific user or group of users.

Who? Where? When?



MULTI-FACTOR IDENTIFICATION

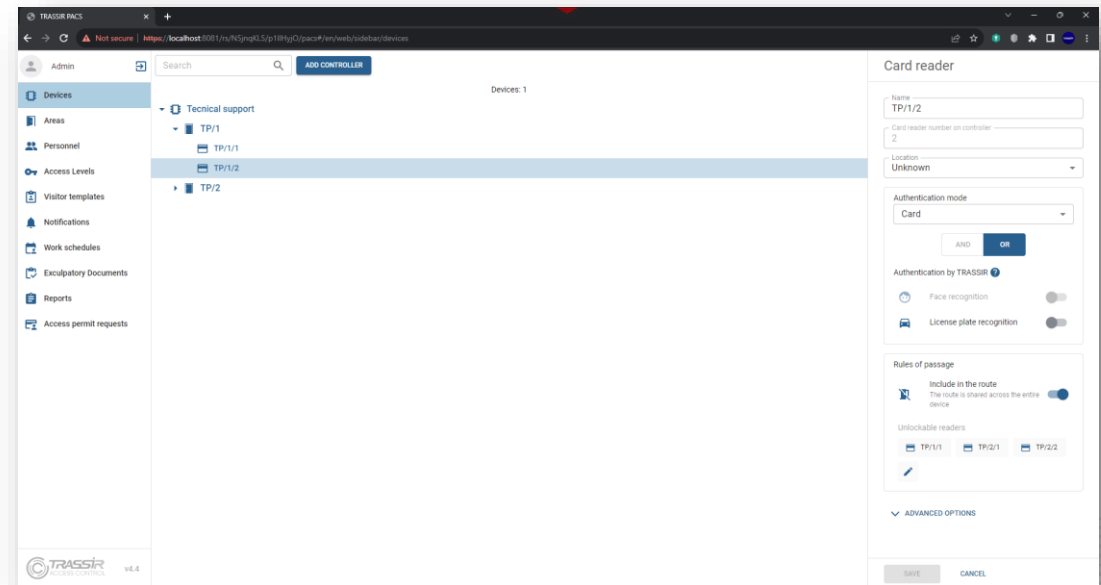
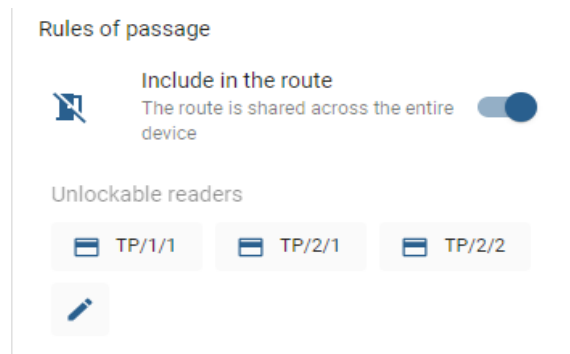


TRASSIR ACS allows for any combination of multi-factor identification



ANTIPASSBACK

TRASSIR ACS implements the function of local antipassback, i.e. antipassback within one device (terminal or access controller). If this function is enabled, access will be denied in case of repeated passage in the same direction and this event will be reflected in the event log. The function is implemented on TRASSIR and HikVision family devices



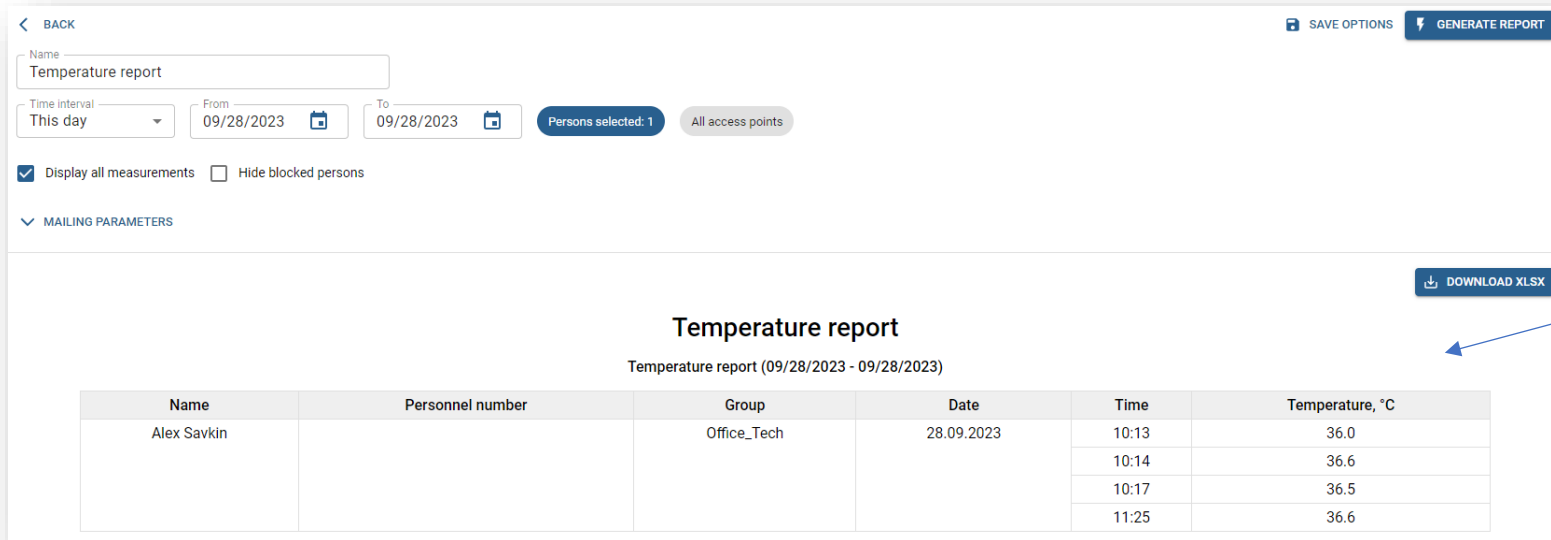
BODY TEMPERATURE ACCESS

The system operator has access to the employee's card, which indicates whether the employee has an elevated temperature when entering. This function makes it possible to track employees who arrived to work with a high body temperature.

The screenshot displays the TRASSIR software interface. On the left, an event log table shows various access events. The top row is highlighted in blue and shows an 'Abnormal temperature' event for Alex Savkin at 15:25:57. Below it are several 'Access granted' and 'Holding door open' events. On the right, a video playback window shows a man (Alex Savkin) standing in a server room. A red overlay on the video reads 'Abnormal temperature: 36.0 °C'. Below the video, a profile card for Alex Savkin is visible, including his gender (Male), age (30), and title (Technical Coach). At the bottom right, a red notification bar shows a thermometer icon, the text 'Abnormal temperature emulyator/1', and the time '10:13:45' with a temperature of '36.0 °C'.

NAME	EVENT	OBJECT	DATE AND TIME
Alex Savkin	Abnormal temperature	TP/1	15:25:57
Alex Savkin	Access granted	TP/1 (Exit)	15:25:54
System	Holding door open	TP/1	15:24:14
Alex Savkin	Access granted	TP/1	15:23:54
Alex Savkin	Access granted	TP/1 (Exit)	15:23:50
System	Holding door open	TP/1	15:23:40
Alex Savkin	Access granted	TP/1	15:23:20
Alex Savkin	Access granted	TP/1 (Exit)	15:23:18
System	Holding door open	TP/1	15:22:15
Alex Savkin	Access granted	TP/1	15:21:55
Alex Savkin	Access granted	TP/1 (Exit)	15:21:48
System	Holding door open	TP/2	15:16:14
System	Holding door open	TP/1	15:16:12
User: Admin	Unlocked once by command	TP/2	15:15:54
Unknown person	Access granted	TP/2	15:15:54

TEMPERATURE MEASUREMENT REPORT



The screenshot shows the TRASSIR interface for generating a temperature report. At the top, there are navigation buttons for 'BACK', 'SAVE OPTIONS', and 'GENERATE REPORT'. A search bar contains 'Temperature report'. Below it, filters include 'Time interval' set to 'This day', 'From' and 'To' dates both set to '09/28/2023', 'Persons selected: 1', and 'All access points'. There are checkboxes for 'Display all measurements' (checked) and 'Hide blocked persons' (unchecked). A 'MAILING PARAMETERS' section is collapsed. A 'DOWNLOAD XLSX' button is visible on the right. The main content area displays the report title 'Temperature report' and subtitle 'Temperature report (09/28/2023 - 09/28/2023)'. A table lists measurements for Alex Savkin, showing temperatures of 36.0, 36.6, 36.5, and 36.6 degrees Celsius at various times on 28.09.2023.

Name	Personnel number	Group	Date	Time	Temperature, °C
Alex Savkin		Office_Tech	28.09.2023	10:13	36.0
				10:14	36.6
				10:17	36.5
				11:25	36.6

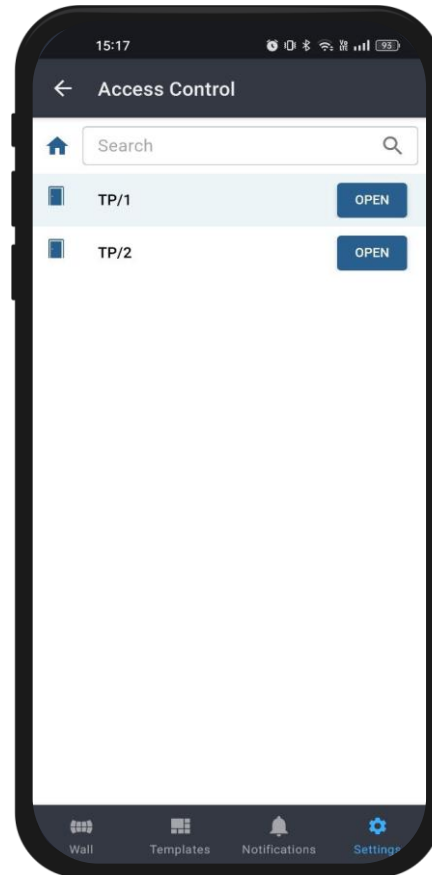
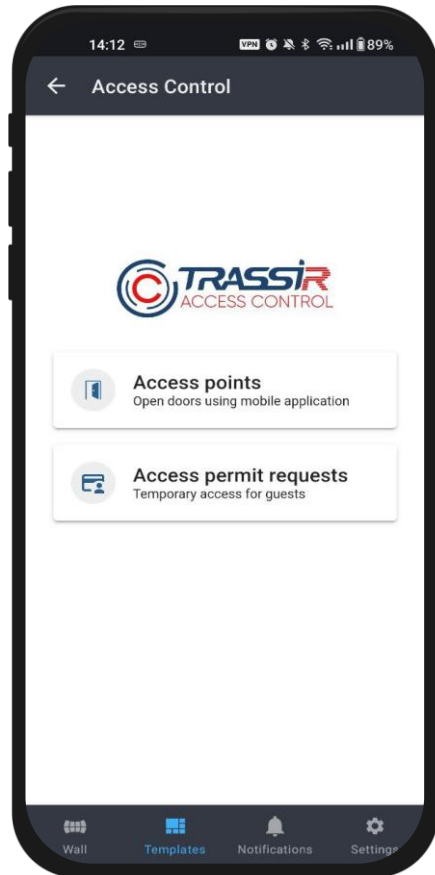
Exceeding the threshold value



You can compile a temperature report showing all measurements or only the highest recorded on a given day for a particular employee. TRASSIR ACS highlights temperature measurements that exceed a fixed value



OPENING DOORS FROM THE MOBILE APP



Access points such as doors or barriers can be filtered in the mobile app and opened with the click of a button. TRASSIR ACS identifies who opened the access point by connecting the user with the person. You can also restrict certain employees from opening specific access points.



EVENTS LOG

The screenshot shows the TRASSIR ACS interface. On the left is an events log table with columns for NAME, EVENT, OBJECT, and DATE AND TIME. The main area displays a video playback window showing a man in a grey polo shirt standing in a technical room. Below the video is a profile card for Alex Savkin with details: Gender: Male, Age: 30, Role: Technical Coach, Personnel Number, and License plates: 1907777. At the bottom, an 'Access granted' notification is visible with card ID 0203583237 and location TP/1.

NAME	EVENT	OBJECT	DATE AND TIME
Alex Savkin	Access granted	TP/1	15:25:57
Alex Savkin	Access granted	TP/1 (Ext)	15:25:54
System	Holding door open	TP/1	15:24:14
Alex Savkin	Access granted	TP/1	15:23:54
Alex Savkin	Access granted	TP/1 (Ext)	15:23:50
System	Holding door open	TP/1	15:23:40
Alex Savkin	Access granted	TP/1	15:23:20
Alex Savkin	Access granted	TP/1 (Ext)	15:23:18
System	Holding door open	TP/1	15:22:15
Alex Savkin	Access granted	TP/1	15:21:55
Alex Savkin	Access granted	TP/1 (Ext)	15:21:48
System	Holding door open	TP/2	15:16:14
System	Holding door open	TP/1	15:16:12
User: Admin	Unlocked once by command	TP/2	15:15:54
Unknown person	Access granted	TP/2	15:15:54

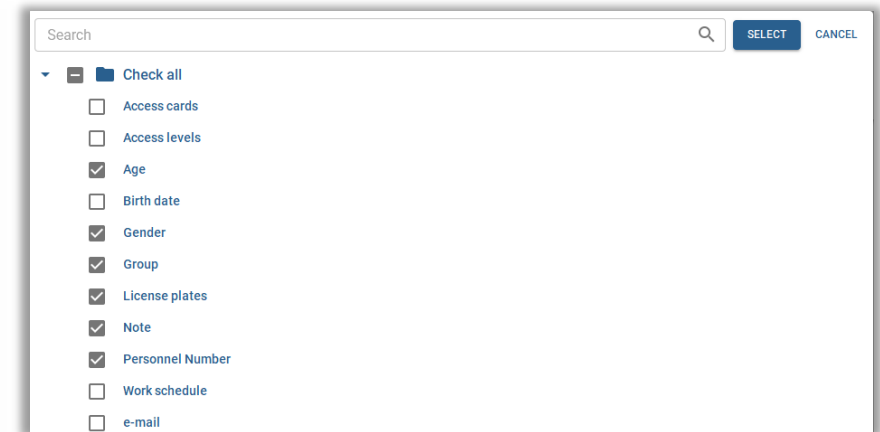
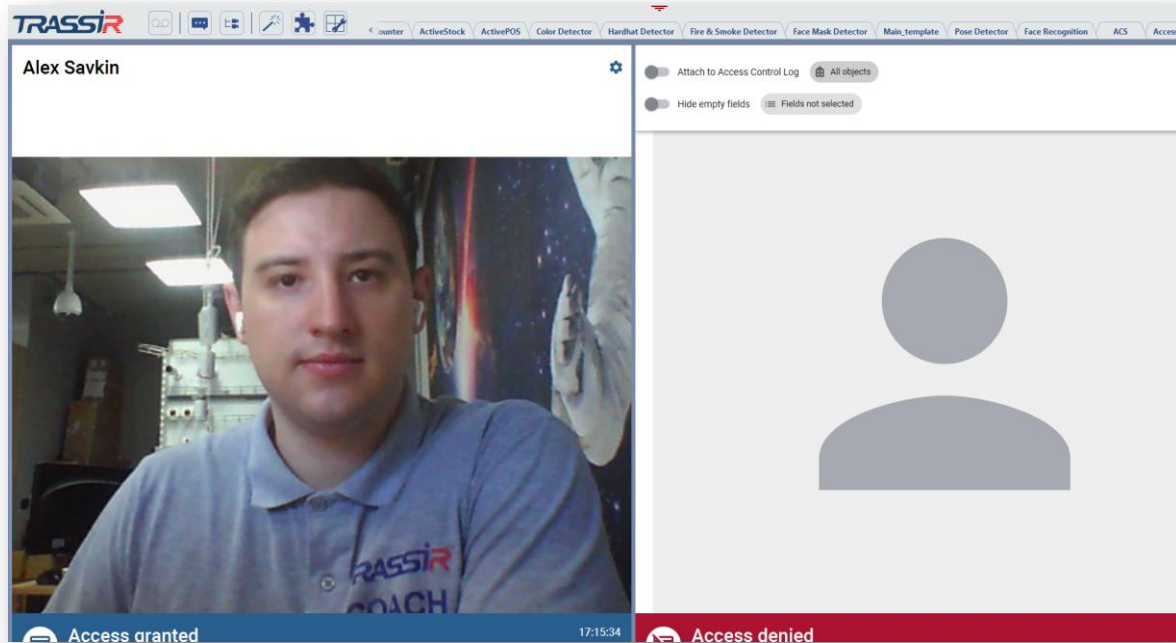
The 'Select period' dialog box allows users to filter events by time range. It includes buttons for 'Now', 'Today', 'This week', '7 days', 'This month', 'This year', and '12 months'. Below these are input fields for 'Beginning' and 'End' dates, each with a calendar icon, and 'Time' fields for '00:00' and '24:00' with clock icons. 'SELECT' and 'CANCEL' buttons are at the bottom.

The filter selection panel has a search bar and a 'SELECT' button. A dropdown menu is open, showing a 'Check all' option and a list of event types with checkboxes: Access granted, Access denied, Pass events, Device state changes, Access point work mode changes, Alarms, Temperature measurements, Intercom events, GPIO input events, and GPIO output events.

The TRASSIR ACS event log can be filtered by event type and period. Click on these events to get camera footage associated with a particular access point.



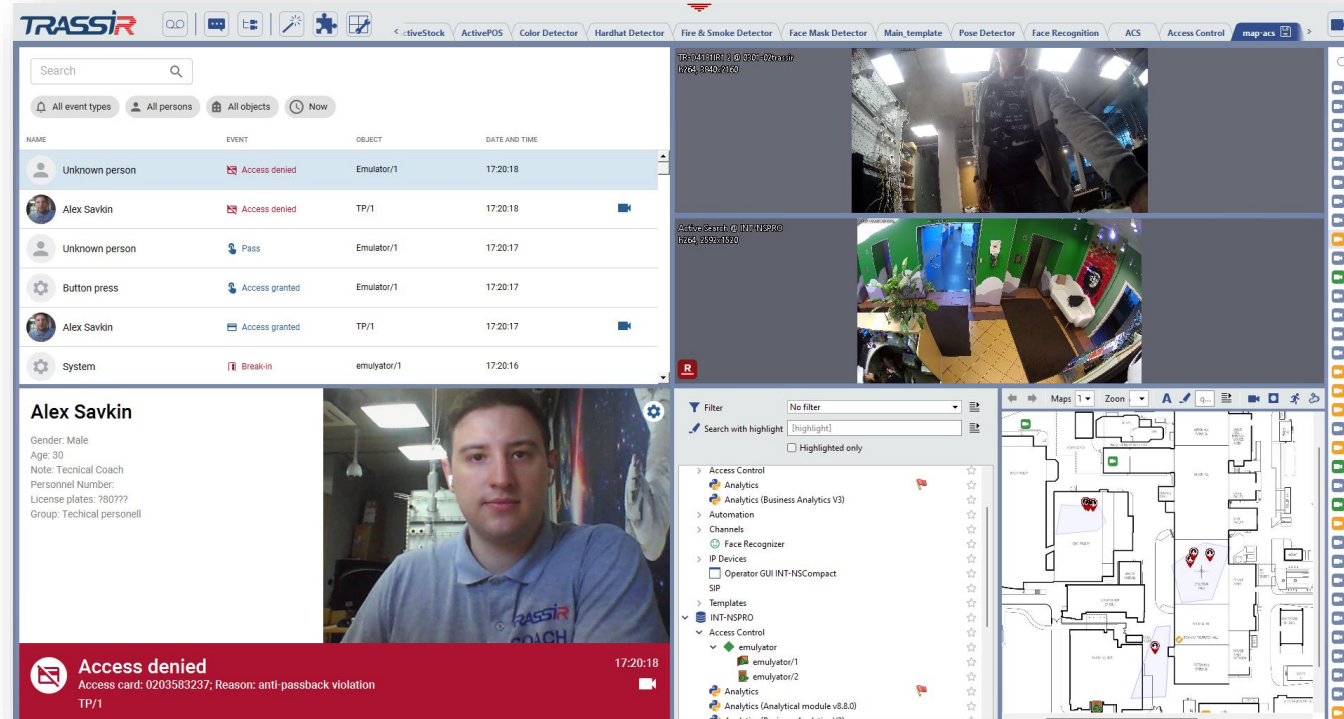
REALTIME CHECK OF ENTRANCE BY PHOTO



Why use a photo ID widget? One use is to put a monitor between turnstiles so that guards can see the data of card holders as well as photos for verification. The TRASSIR ACS Photo ID widget is flexible and customizable: it can hide or display name, gender, temperature, and other parameters. The widget can also be connected to the events log to show photos of persons who entered, where, and when.

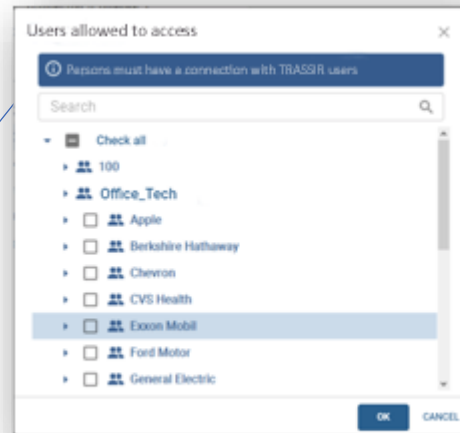
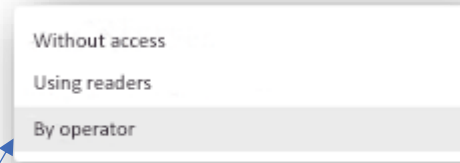
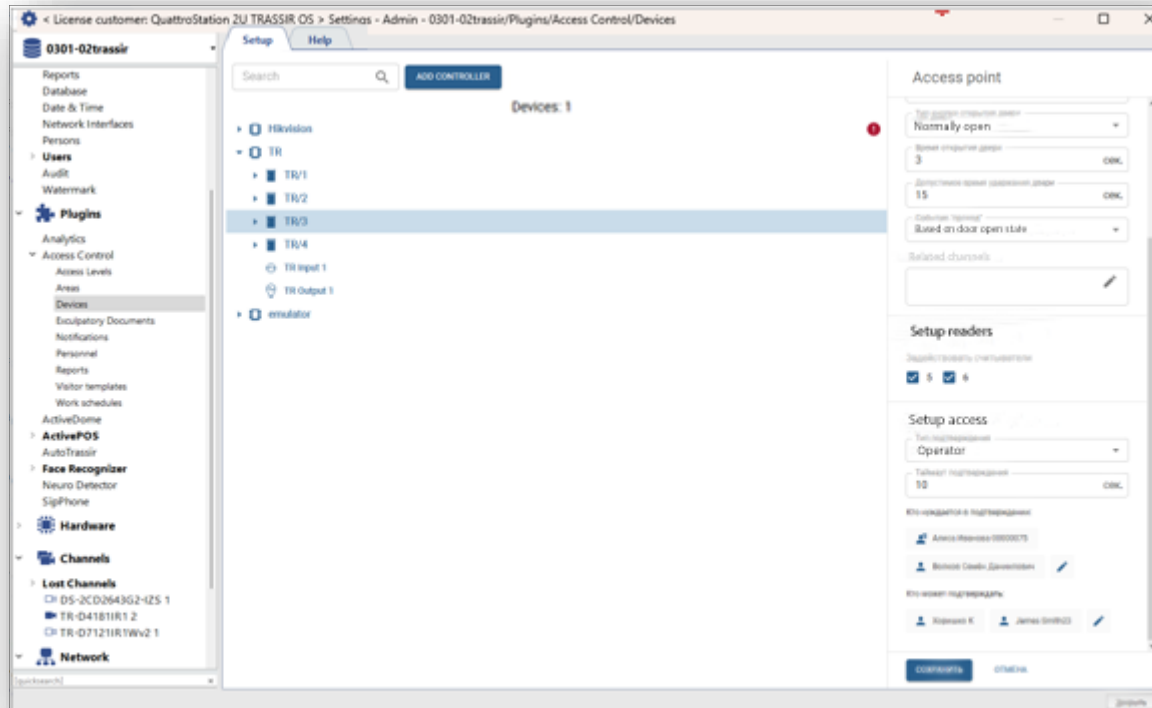
OPERATOR INTERFACE

In TRASSIR and ACS in particular, any widget can be conveniently configured for the operator



ACCESS WITH CONFIRMATION

Any entrance to TRASSIR ACS can be validated both by an additional person using his/her identifier and by an operator's command from the system.



ACCESS WITH CONFIRMATION

When making a pass request, the operator receives a notification in TRASSIR including when TRASSIR ACS is running in standby mode

The screenshot displays the TRASSIR interface with an access request notification for Alex Savkin. The notification includes a video feed of the person requesting access and a dialog box with the following text:

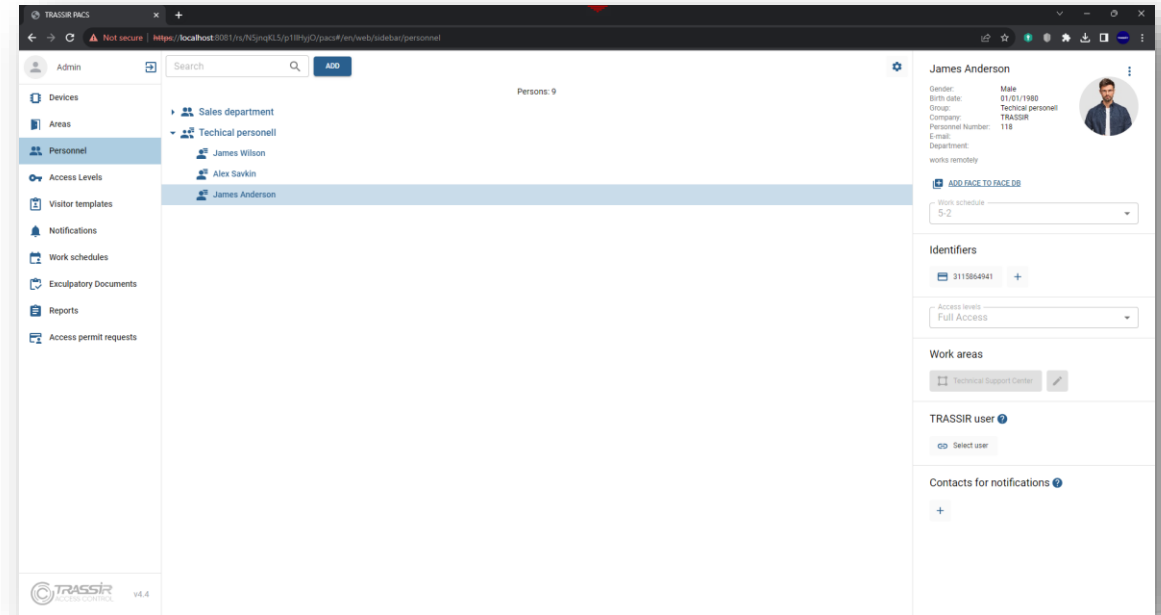
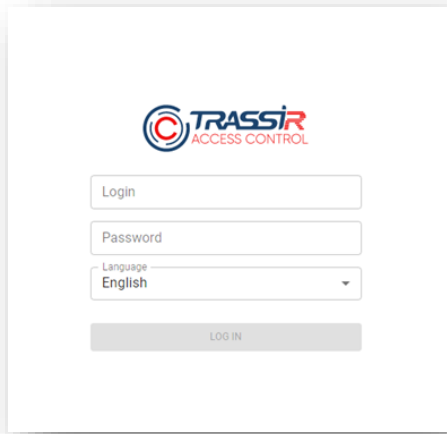
Question
Alex Savkin is requesting access via TR/3 on server KRD-PRG-01

Buttons: Ignore, Allow access, Deny access

Notification details: Access verification request, Access Card: 3722295994, TR/3, Now, 6.0°C

NAME	EVENT	OBJECT	DATE AND TIME
Alex Savkin	Access confirmation request	TR/3	13:19:14
Alex Savkin	Access denied	TR/3	13:19:14
Alex Savkin	Access confirmation request	TR/3	13:18:44
Alex Savkin	Access denied	TR/3	11:57:28
Alex Savkin	Access confirmation request	TR/3	
System	Holding the door open	TR/3	
Alex Savkin	One-time opening on command	TR/3	
Alex Savkin	Access granted	TR/3	
Alex Savkin	Passed	TR/3	
Alex Savkin	Access confirmation request	TR/3	
Alex Savkin	Access denied	TR/3	
Alex Savkin	Access confirmation request	TR/3	
Alex Savkin	Access denied	TR/3	10:59:32
Alex Savkin	Access confirmation request	TR/3	10:59:23
Alex Savkin	Access denied	TR/3	10:43:13
Alex Savkin	Access denied	TR/3	10:43:06
Alex Savkin	Access confirmation request	TR/3	10:43:03
System	Holding the door open	TR/3	10:42:31
Alex Savkin	One-time opening on command	TR/3	10:42:12
Alex Savkin	Access provided	TR/3	10:42:11
Alex Savkin	Passed	TR/3	10:42:11

ACCESS FROM WEB BROWSER



All the standard ACS functionality - adding devices, combining devices into zones, managing employees, assigning identifiers, access level schedules, working with guest passes, reporting, and much more - is available in a web browser.

A man in a dark suit and tie is standing in profile, interacting with a self-service kiosk. The kiosk has a touchscreen display and a card reader. In the background, there are other kiosks and a large window with a view of a city. The entire image is overlaid with a semi-transparent blue and purple gradient. The text "ACCOUNTING FOR WORKING PERIODS" is centered in white, bold, uppercase letters.

ACCOUNTING FOR WORKING PERIODS

WORK SCHEDULES

New work schedule

SCHEDULE VARIATIONS

CALENDAR WEEK SHIFTS

Start date
09/26/2023

Shift 1 Working day

Beginning 08:30 End 18:00

Break from 13:00 Break to 14:00

+ BREAK

Day 1

DUPLICATE TO ALL WORK SHIFTS

+ ADD

OK CANCEL

New work schedule

SCHEDULE HOLIDAYS VARIATIONS

CALENDAR WEEK SHIFTS

Monday Working day

Tuesday Working day

Wednesday Working day

Thursday Working day

Friday Working day

OK CANCEL

TRASSIR ACS provides the ability to create flexible work schedules, including the transition of overnight shifts.



PERMISSIBLE DEVIATIONS

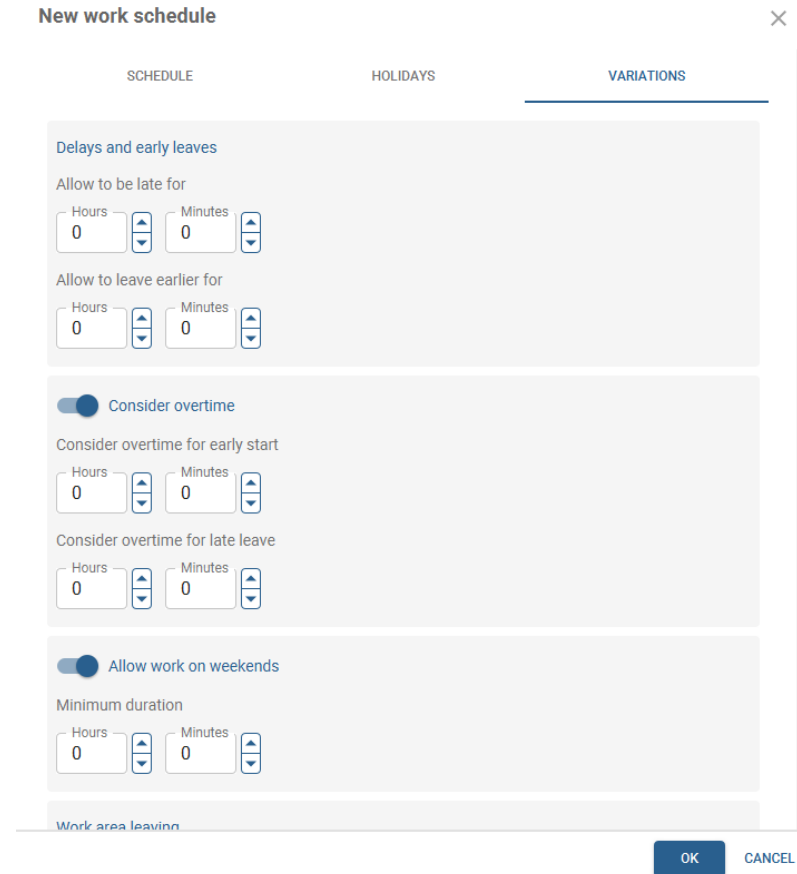
Late arrivals and early departures

Overtime

Weekend work

Leaving a work area

The deviation accounting system module allows you to set permissible parameters for tardiness, overtime, weekend work, and control over leaving the work area.



New work schedule

SCHEDULE HOLIDAYS VARIATIONS

Delays and early leaves

Allow to be late for

Hours: 0 Minutes: 0

Allow to leave earlier for

Hours: 0 Minutes: 0

Consider overtime

Consider overtime for early start

Hours: 0 Minutes: 0

Consider overtime for late leave

Hours: 0 Minutes: 0

Allow work on weekends

Minimum duration

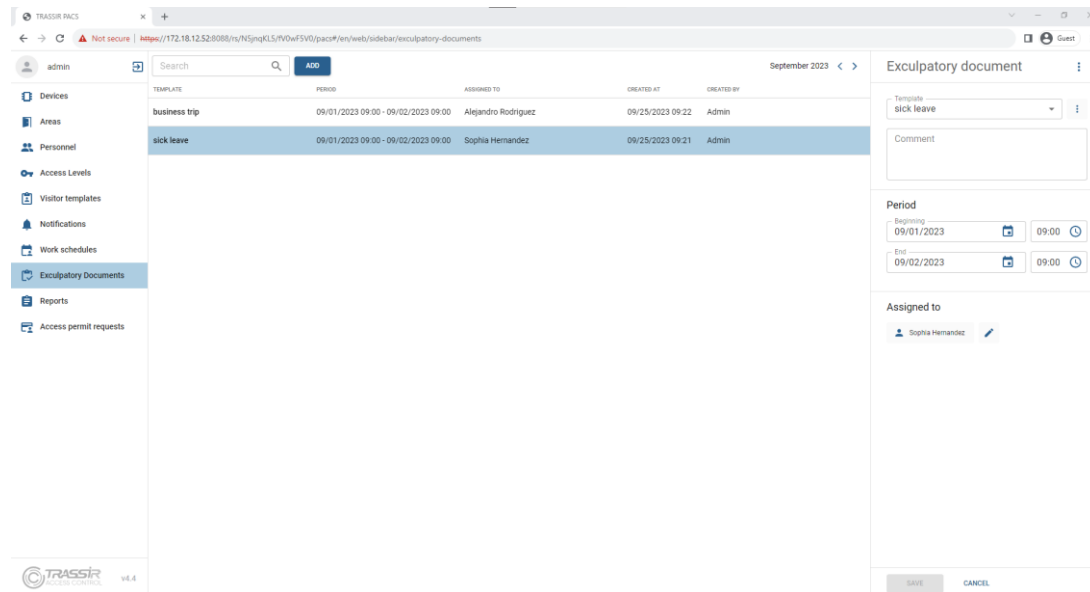
Hours: 0 Minutes: 0

Work area leaving

OK CANCEL

EXCULPATORY DOCUMENTS

In TRASSIR ACS it is possible to enter supporting documents, i.e. actually correct the attendance of employees, students and other people using different types of time tracking. Templates are customized individually, assigned to individuals, and then adjustments are made to their passages



Strictly on the basis of supporting documents

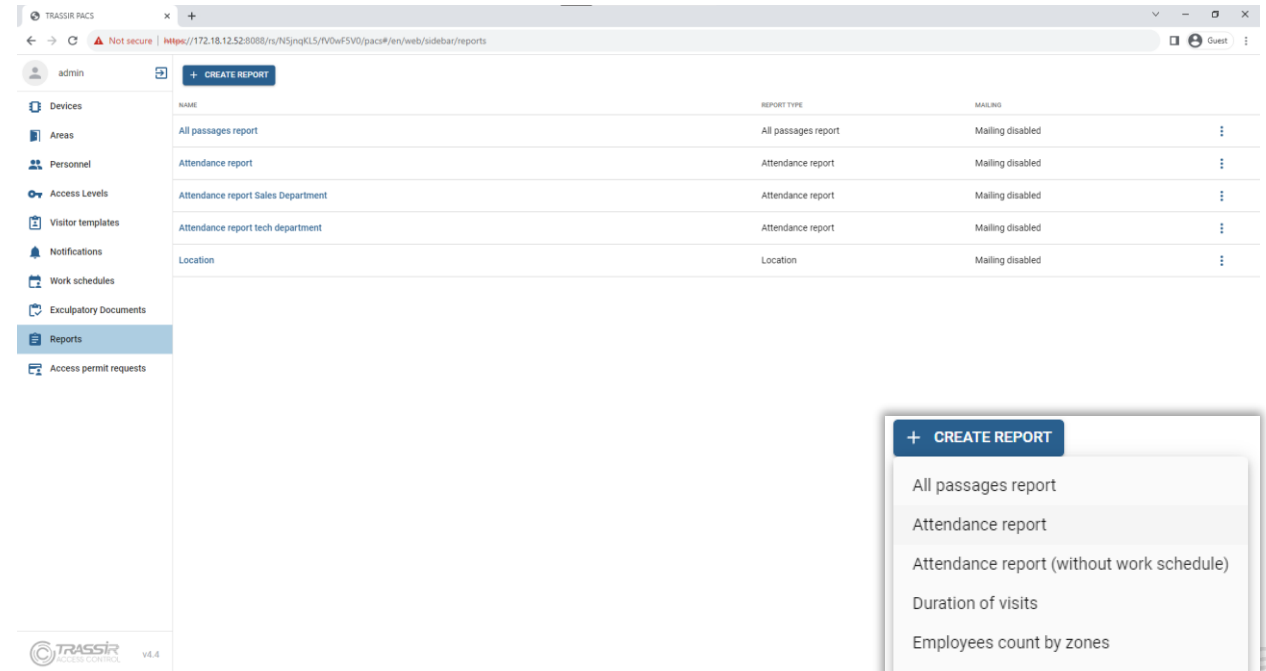
Overlapping with work schedules

Cancellation of work schedule

Won't take into account

REPORT TEMPLATES

Report templates can be saved using preset settings (by group of employees, period, etc.). The report also stores data about which access points are responsible for calculating working time. This significantly increases the speed of generating necessary reports.



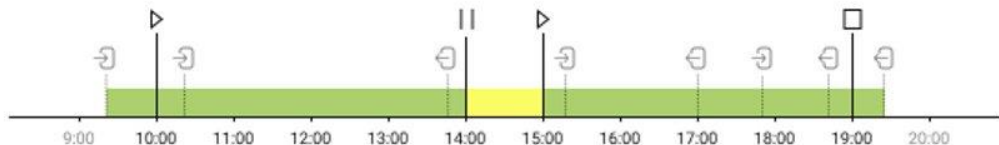
NAME	REPORT TYPE	MAILING
All passages report	All passages report	Mailing disabled
Attendance report	Attendance report	Mailing disabled
Attendance report Sales Department	Attendance report	Mailing disabled
Attendance report tech department	Attendance report	Mailing disabled
Location	Location	Mailing disabled

- + CREATE REPORT
- All passages report
- Attendance report
- Attendance report (without work schedule)
- Duration of visits
- Employees count by zones
- Location
- Personnel statistics report
- Report of being late
- Temperature report

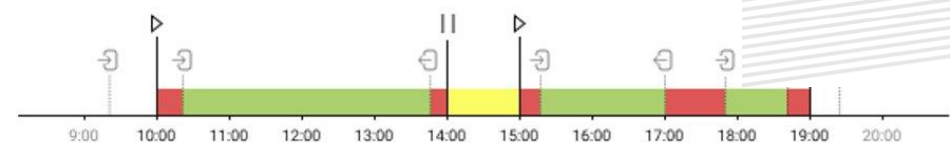
DIFFERENT WAYS OF WORKTIME ACCOUNTING

TRASSIR ACS allows for selection of event type according to which working time should be calculated, such as when an employee touched their card to the reader or when a door was opened. Another available option is strict time accounting, which counts all of employees entrances so that only the time spent inside the work area is counted.

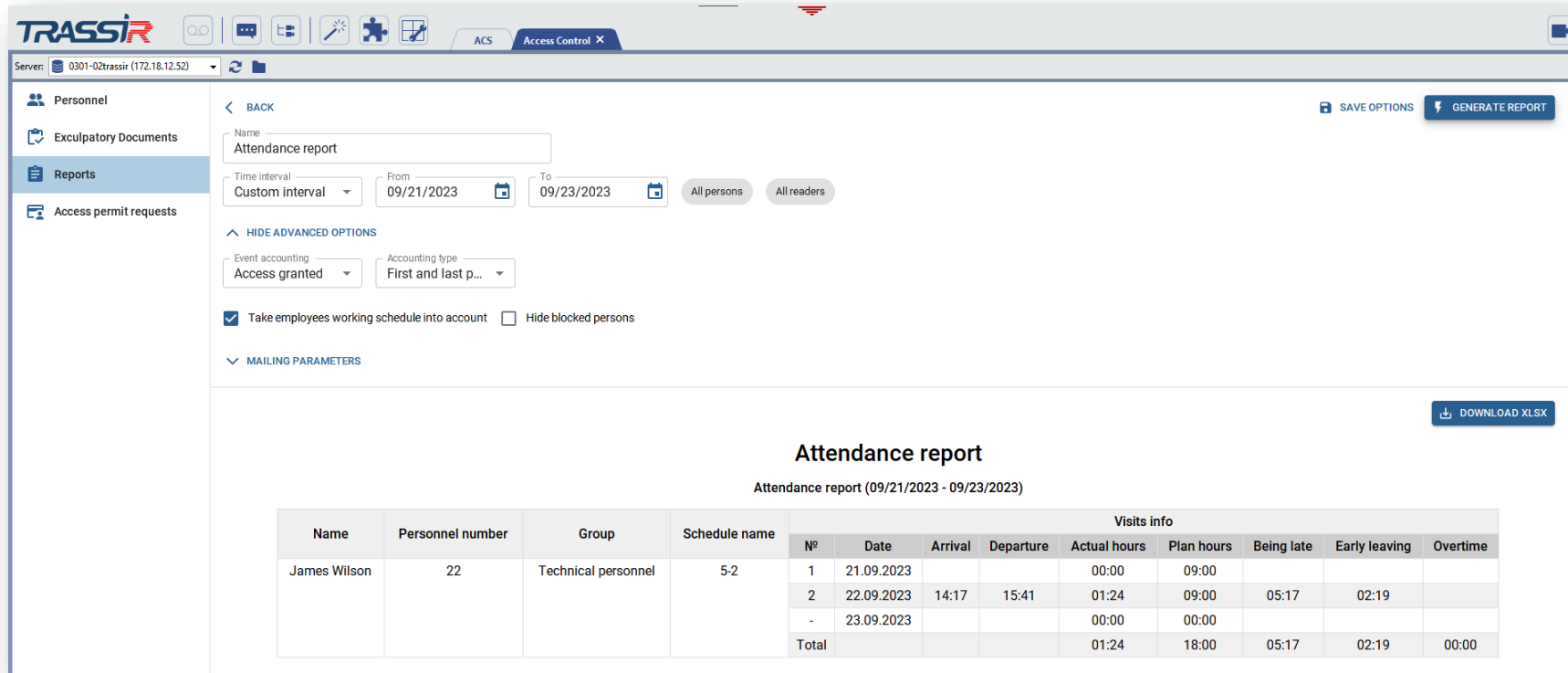
First and last pass



All passages



WORKTIME CALCULATION BY DAYS



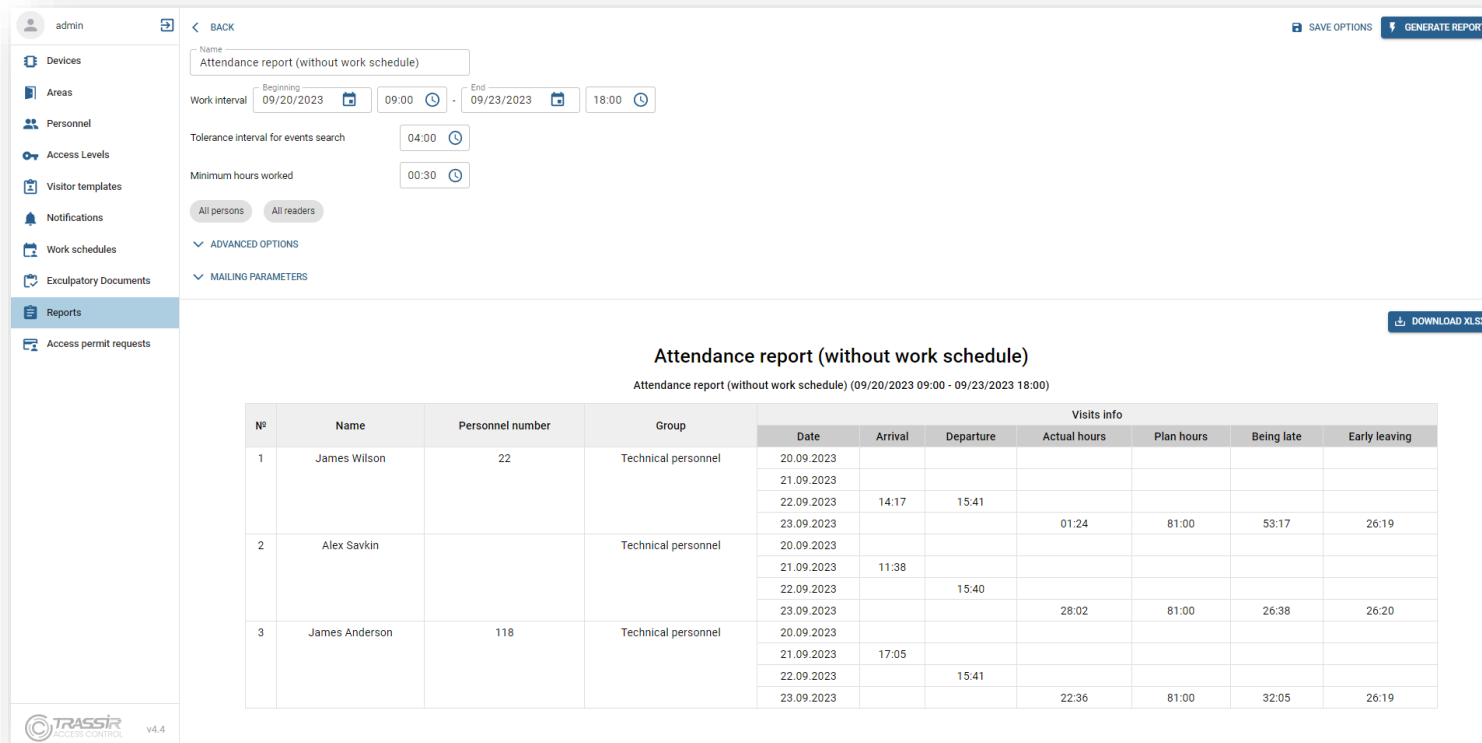
The screenshot shows the TRASSIR web interface for generating an attendance report. The report is titled "Attendance report" and is for the period from 09/21/2023 to 09/23/2023. The report is for the employee James Wilson (Personnel number 22, Group Technical personnel, Schedule name 5-2). The report table shows the following data:

Name	Personnel number	Group	Schedule name	Visits info								
				Nº	Date	Arrival	Departure	Actual hours	Plan hours	Being late	Early leaving	Overtime
James Wilson	22	Technical personnel	5-2	1	21.09.2023			00:00	09:00			
				2	22.09.2023	14:17	15:41	01:24	09:00	05:17	02:19	
				-	23.09.2023			00:00	00:00			
Total								01:24	18:00	05:17	02:19	00:00

The system has reports that record working time by day. Choose a date and employee to display the time worked, tardiness, etc. for a given working day. These reports can also be downloaded in XLSX format.

WORKTIME CALCULATION WITHOUT WORK SCHEDULES

TRASSIR ACS also has a generalized report that summarizes the time worked over a certain period. Not by days, but by period of time. This option is useful when employees cannot be connected with a work schedule.



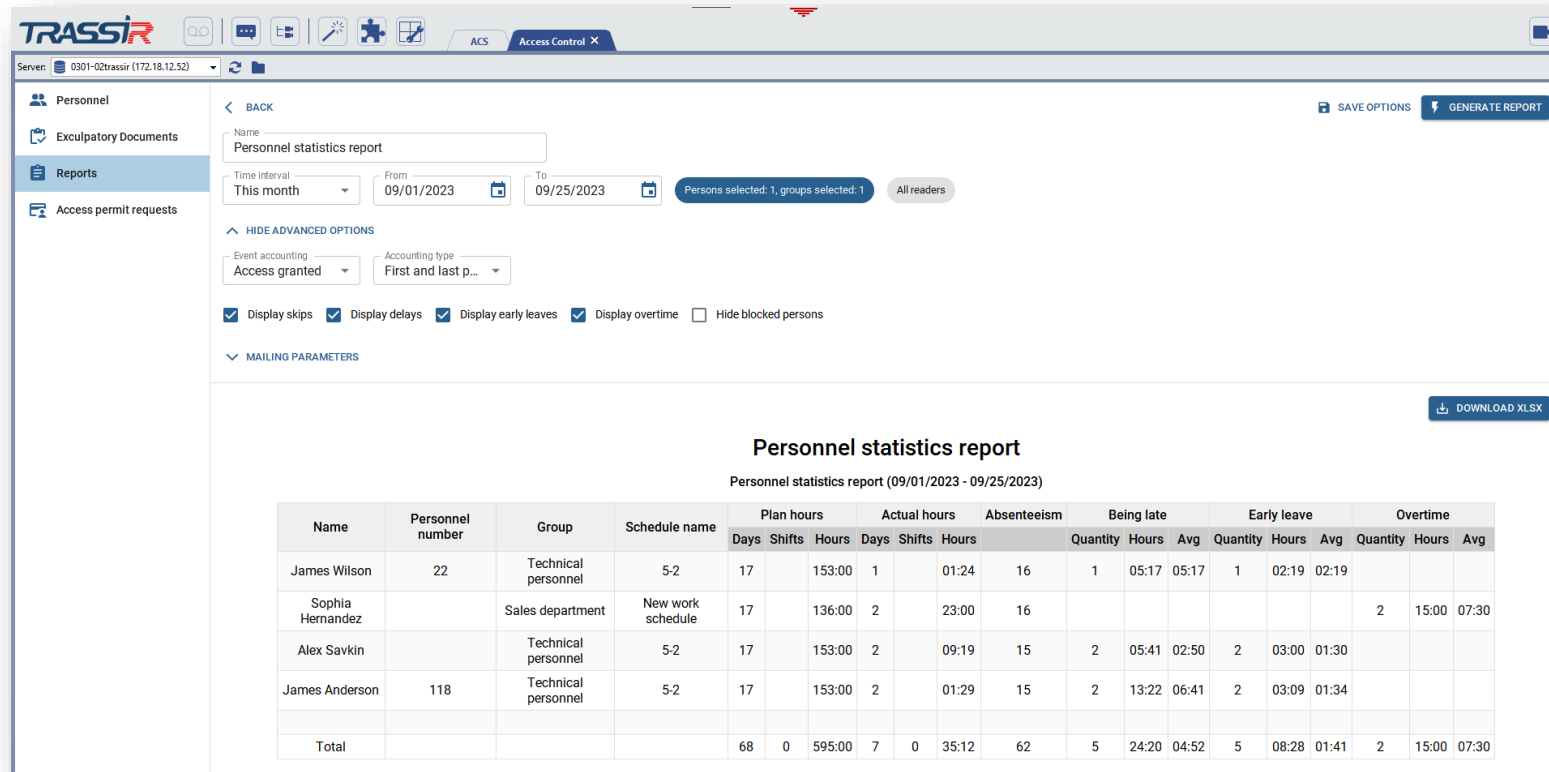
The screenshot shows the TRASSIR ACS interface for configuring and viewing an attendance report. The left sidebar contains navigation options: Devices, Areas, Personnel, Access Levels, Visitor templates, Notifications, Work schedules, Exculpatory Documents, Reports (selected), and Access permit requests. The main area is titled "Attendance report (without work schedule)" and includes configuration fields for "Work interval" (09/20/2023 09:00 to 09/23/2023 18:00), "Tolerance interval for events search" (04:00), and "Minimum hours worked" (00:30). There are buttons for "SAVE OPTIONS", "GENERATE REPORT", and "DOWNLOAD XLSX".

Attendance report (without work schedule)
Attendance report (without work schedule) (09/20/2023 09:00 - 09/23/2023 18:00)

№	Name	Personnel number	Group	Visits info						
				Date	Arrival	Departure	Actual hours	Plan hours	Being late	Early leaving
1	James Wilson	22	Technical personnel	20.09.2023						
				21.09.2023						
				22.09.2023	14:17	15:41				
				23.09.2023			01:24	81:00	53:17	26:19
2	Alex Savkin		Technical personnel	20.09.2023						
				21.09.2023	11:38					
				22.09.2023		15:40				
				23.09.2023			28:02	81:00	26:38	26:20
3	James Anderson	118	Technical personnel	20.09.2023						
				21.09.2023	17:05					
				22.09.2023		15:41				
				23.09.2023			22:36	81:00	32:05	26:19

PERSONNEL STATISTICS

Statistics for each employee can be displayed, such as: number of days employee was at work, number of days required, amount actually worked, and number of late arrivals. This report can be downloaded in Excel format.



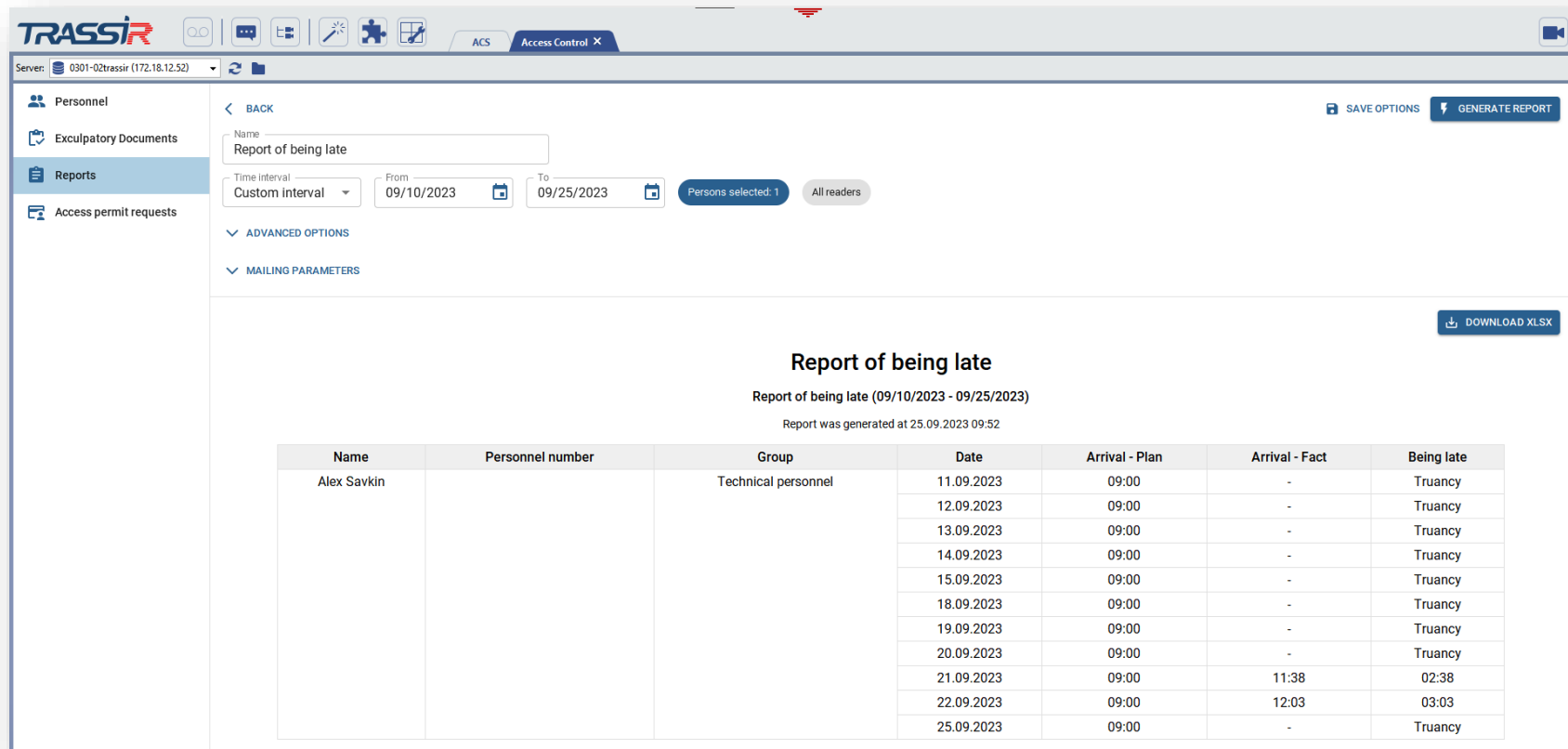
The screenshot shows the TRASSIR web interface for generating a personnel statistics report. The interface includes a sidebar with navigation options like 'Personnel', 'Exculpatory Documents', 'Reports', and 'Access permit requests'. The main area contains a form for report generation with fields for 'Name', 'Time interval', 'From', 'To', and 'Persons selected'. There are also checkboxes for 'Display skips', 'Display delays', 'Display early leaves', 'Display overtime', and 'Hide blocked persons'. A 'DOWNLOAD XLSX' button is visible in the top right of the report area.

Personnel statistics report
Personnel statistics report (09/01/2023 - 09/25/2023)

Name	Personnel number	Group	Schedule name	Plan hours			Actual hours			Absenteeism	Being late		Early leave		Overtime				
				Days	Shifts	Hours	Days	Shifts	Hours		Quantity	Hours	Avg	Quantity	Hours	Avg	Quantity	Hours	Avg
James Wilson	22	Technical personnel	5-2	17		153:00	1		01:24	16	1	05:17	05:17	1	02:19	02:19			
Sophia Hernandez		Sales department	New work schedule	17		136:00	2		23:00	16							2	15:00	07:30
Alex Savkin		Technical personnel	5-2	17		153:00	2		09:19	15	2	05:41	02:50	2	03:00	01:30			
James Anderson	118	Technical personnel	5-2	17		153:00	2		01:29	15	2	13:22	06:41	2	03:09	01:34			
Total				68	0	595:00	7	0	35:12	62	5	24:20	04:52	5	08:28	01:41	2	15:00	07:30

REPORT OF LATE ARRIVALS

A separate report on employee tardiness can be generated.

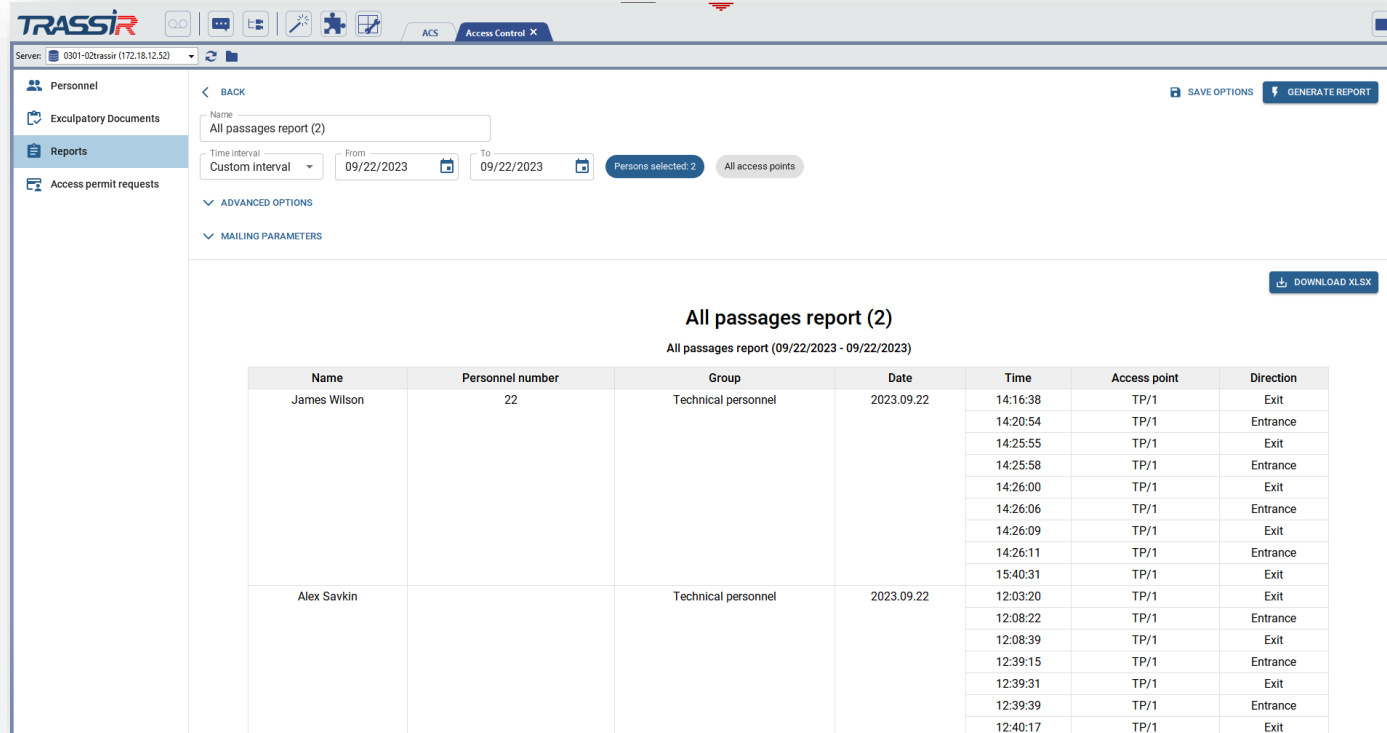


The screenshot shows the TRASSIR web interface for generating a report. The left sidebar contains navigation options: Personnel, Exculpatory Documents, Reports (selected), and Access permit requests. The main area shows the report configuration with the title 'Report of being late', a time interval of 'Custom interval', and dates from '09/10/2023' to '09/25/2023'. A 'Persons selected: 1' indicator and 'All readers' filter are visible. A 'DOWNLOAD XLSX' button is present in the top right of the report area.

Report of being late
Report of being late (09/10/2023 - 09/25/2023)
Report was generated at 25.09.2023 09:52

Name	Personnel number	Group	Date	Arrival - Plan	Arrival - Fact	Being late
Alex Savkin		Technical personnel	11.09.2023	09:00	-	Truancy
			12.09.2023	09:00	-	Truancy
			13.09.2023	09:00	-	Truancy
			14.09.2023	09:00	-	Truancy
			15.09.2023	09:00	-	Truancy
			18.09.2023	09:00	-	Truancy
			19.09.2023	09:00	-	Truancy
			20.09.2023	09:00	-	Truancy
			21.09.2023	09:00	11:38	02:38
			22.09.2023	09:00	12:03	03:03
			25.09.2023	09:00	-	Truancy

ALL STAFF MOVEMENTS



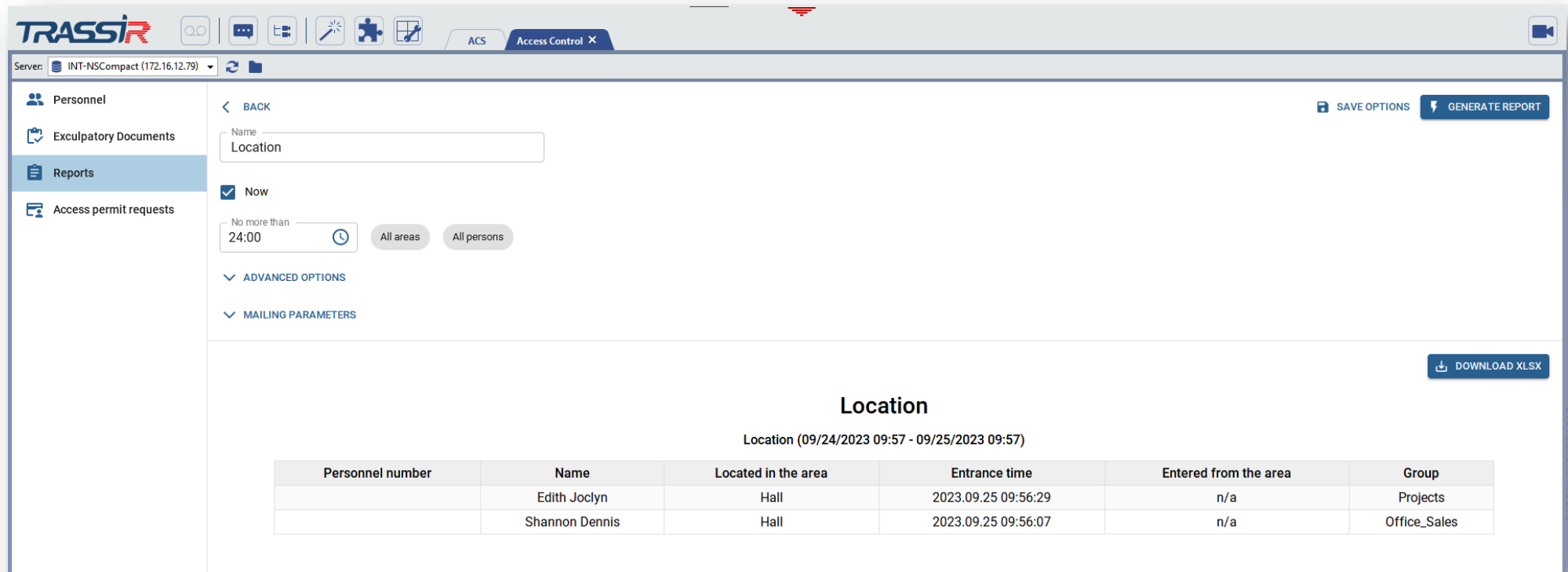
The screenshot shows the TRASSIR Access Control System interface. The left sidebar contains navigation options: Personnel, Exculpatory Documents, Reports (selected), and Access permit requests. The main area displays a report titled "All passages report (2)" for the date 09/22/2023. The report includes a table with columns for Name, Personnel number, Group, Date, Time, Access point, and Direction. The data shows two individuals, James Wilson and Alex Savkin, both in the "Technical personnel" group, with multiple entries for their movements through access point TP/1.

Name	Personnel number	Group	Date	Time	Access point	Direction
James Wilson	22	Technical personnel	2023.09.22	14:16:38	TP/1	Exit
				14:20:54	TP/1	Entrance
				14:25:55	TP/1	Exit
				14:25:58	TP/1	Entrance
				14:26:00	TP/1	Exit
				14:26:06	TP/1	Entrance
				14:26:09	TP/1	Exit
				14:26:11	TP/1	Entrance
Alex Savkin		Technical personnel	2023.09.22	15:40:31	TP/1	Exit
				12:03:20	TP/1	Exit
				12:08:22	TP/1	Entrance
				12:08:39	TP/1	Exit
				12:39:15	TP/1	Entrance
				12:39:31	TP/1	Exit
				12:39:39	TP/1	Entrance
				12:40:17	TP/1	Exit

All movements through access points can be both viewed in the event widget as well as generated into a report. It can be conveniently downloaded in XSLX format for delivery to HR, accounting, and other departments.

REPORT ON EMPLOYEE PRESENCE IN SPECIFIC ZONES

TRASSIR ACS lets you select a person or zone and see whether the employee was present during working hours.

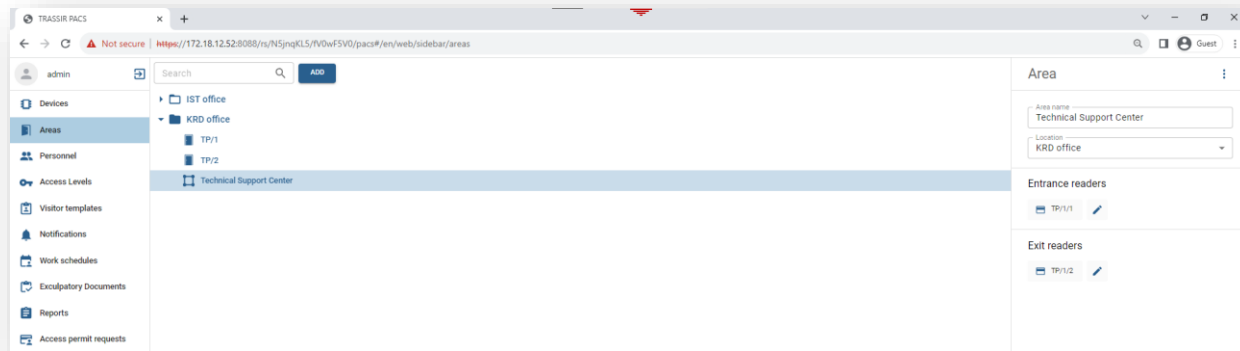


The screenshot displays the TRASSIR ACS web interface. The left sidebar contains navigation options: Personnel, Exculpatory Documents, Reports (highlighted), and Access permit requests. The main content area shows a report configuration screen for 'Location'. It includes a 'Name' field with 'Location' entered, a 'Now' checkbox, a time limit of '24:00', and buttons for 'All areas' and 'All persons'. There are also sections for 'ADVANCED OPTIONS' and 'MAILING PARAMETERS'. A 'GENERATE REPORT' button is visible in the top right. Below the configuration, a 'DOWNLOAD XLSX' button is present. The report title is 'Location' with a subtitle 'Location (09/24/2023 09:57 - 09/25/2023 09:57)'. The data is presented in a table with the following columns: Personnel number, Name, Located in the area, Entrance time, Entered from the area, and Group.

Personnel number	Name	Located in the area	Entrance time	Entered from the area	Group
	Edith Joclyn	Hall	2023.09.25 09:56:29	n/a	Projects
	Shannon Dennis	Hall	2023.09.25 09:56:07	n/a	Office_Sales

CONTROLLING THE NUMBER OF EMPLOYEES ON SITE

In TRASSIR ACS you can select a zone in the facility, attach readers to the entrance and exit of this zone and generate a report on the number of people in this zone. The report can be generated by specifying an interval, i.e. dividing a day into several segments. Next look at a heat map of where employees are in the zones



Employees count by zones

Employees count by zones (09/22/2023 - 09/22/2023)

Date	Time	Count	Company
09/22/2023	00:00 - 01:00	0	TRASSIR
09/22/2023	01:00 - 02:00	0	TRASSIR
09/22/2023	02:00 - 03:00	0	TRASSIR
09/22/2023	03:00 - 04:00	0	TRASSIR
09/22/2023	04:00 - 05:00	0	TRASSIR
09/22/2023	05:00 - 06:00	0	TRASSIR
09/22/2023	06:00 - 07:00	0	TRASSIR
09/22/2023	07:00 - 08:00	0	TRASSIR
09/22/2023	08:00 - 09:00	0	TRASSIR
09/22/2023	09:00 - 10:00	0	TRASSIR
09/22/2023	10:00 - 11:00	0	TRASSIR
09/22/2023	11:00 - 12:00	0	TRASSIR
09/22/2023	12:00 - 13:00	1	TRASSIR
09/22/2023	13:00 - 14:00	0	TRASSIR
09/22/2023	14:00 - 15:00	3	TRASSIR
09/22/2023	15:00 - 16:00	3	TRASSIR
09/22/2023	16:00 - 17:00	3	TRASSIR
09/22/2023	17:00 - 18:00	3	TRASSIR
09/22/2023	18:00 - 19:00	3	TRASSIR
09/22/2023	19:00 - 20:00	3	TRASSIR
09/22/2023	20:00 - 21:00	3	TRASSIR
09/22/2023	21:00 - 22:00	3	TRASSIR
09/22/2023	22:00 - 23:00	3	TRASSIR
09/22/2023	23:00 - 00:00	3	TRASSIR

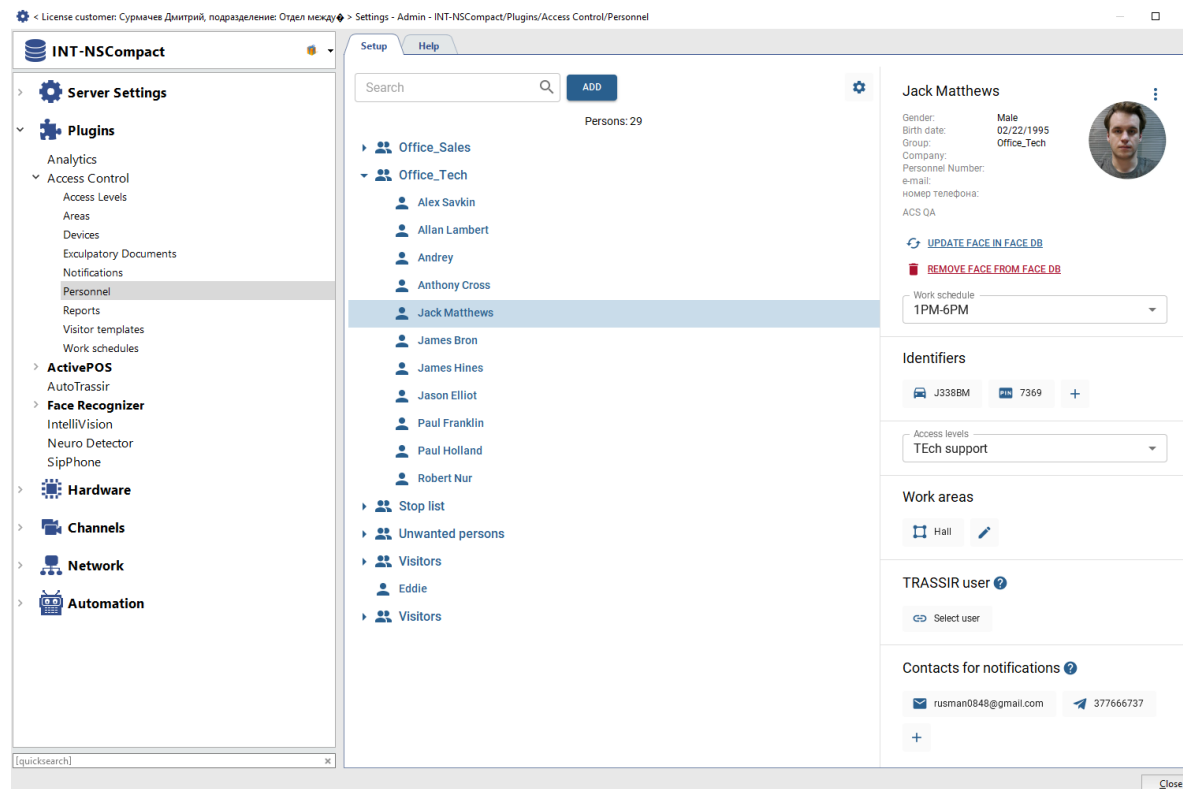


NOTIFICATIONS

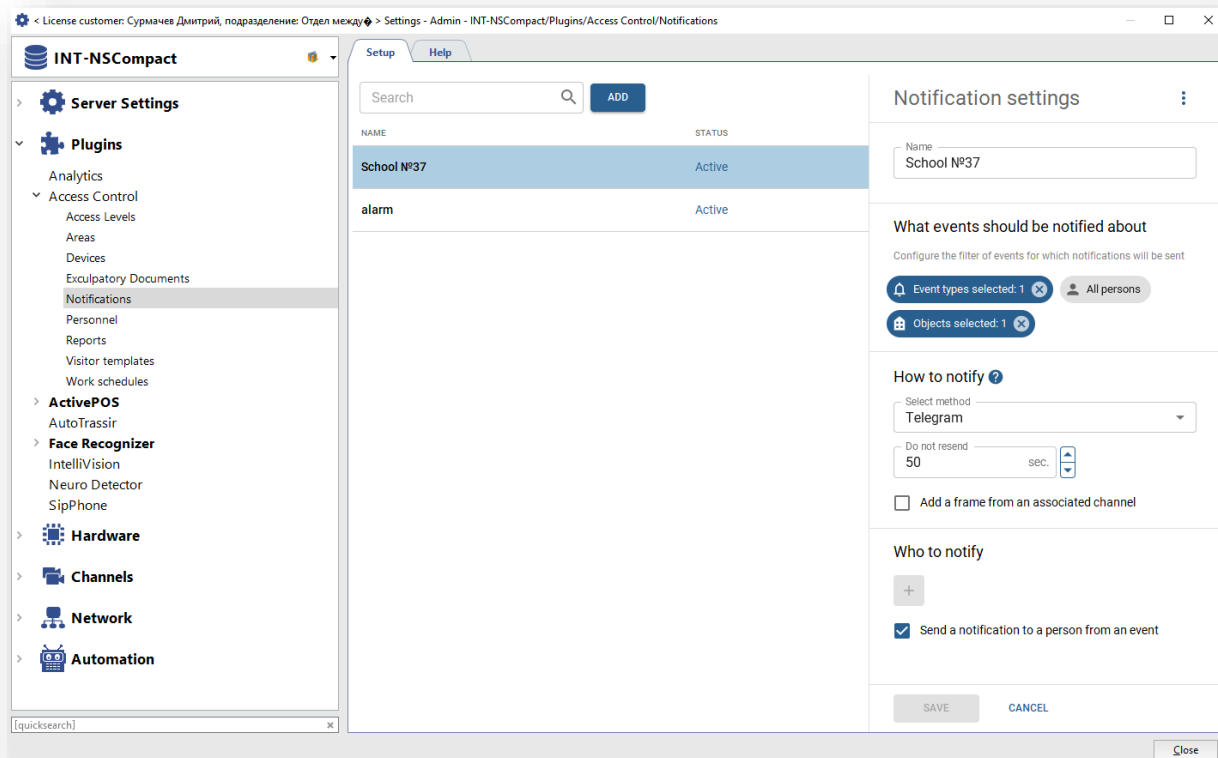
NOTIFICATIONS

For operational access control you can set up notifications about any events.

Sending these notifications can be configured both to e-mail and Telegram bot.



NOTIFICATIONS

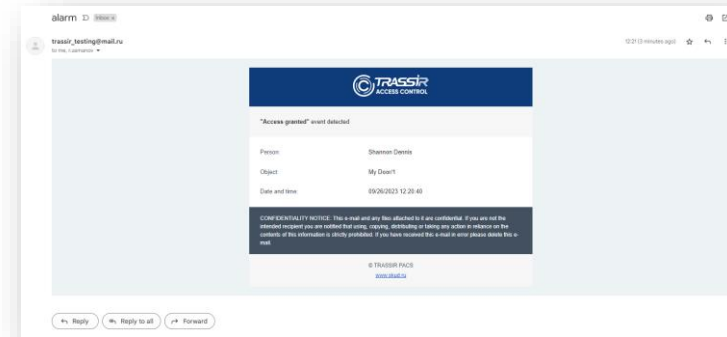
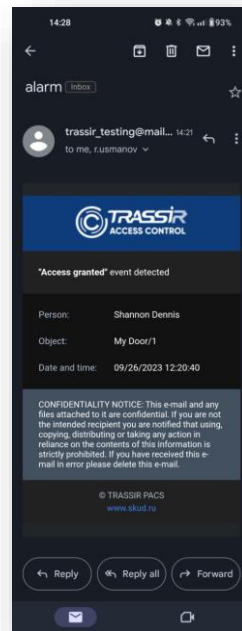
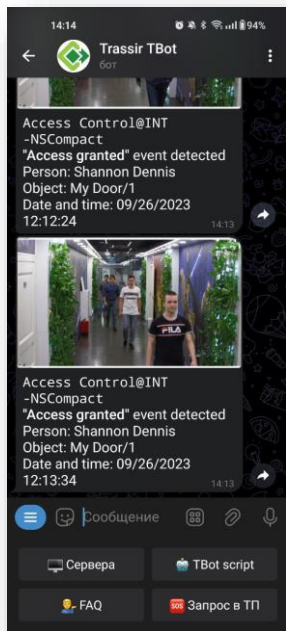


Notifications can be sent to any events that occur in the access control system: a person passes, holding the door open and many others.

You can also configure to whom and what specific events should be sent, as well as use the automatic sending function for a person who appeared in any events, for example, sending events to parents about arrivals and departure of their child from school.

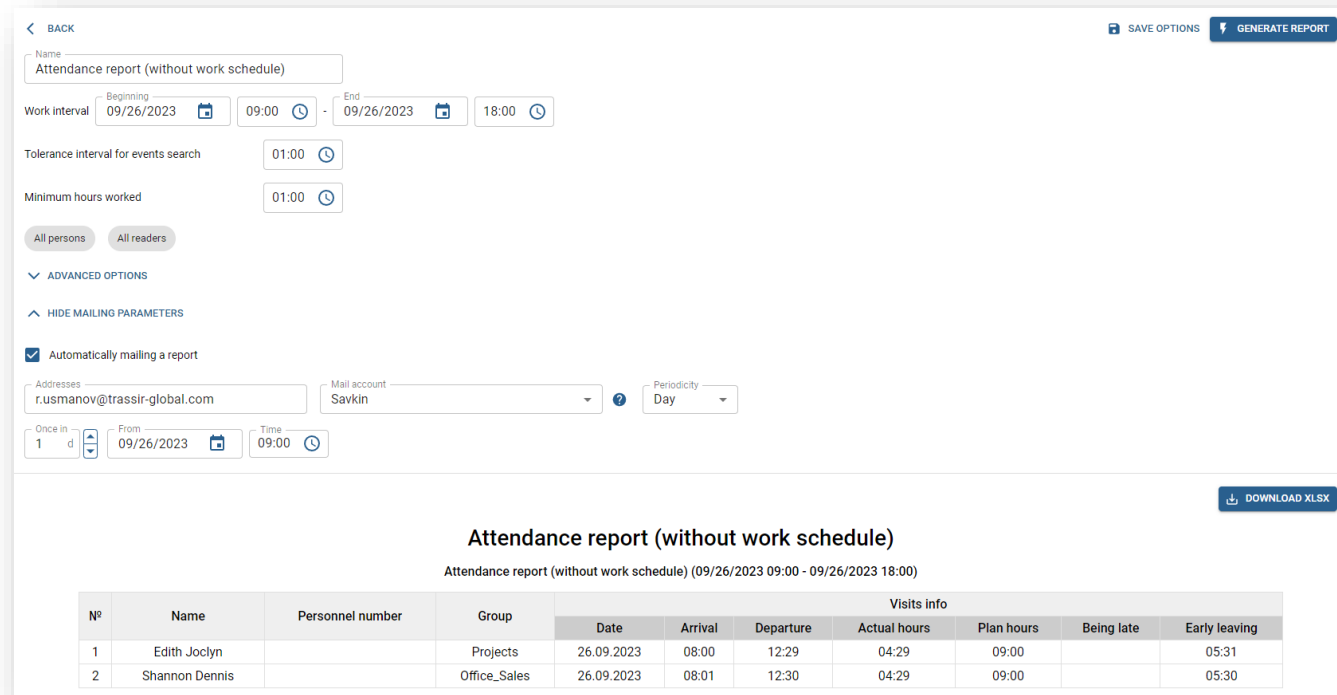
NOTIFICATIONS

TRASSIR ACS can attach a frame to the notification associated with the event, which helps to further inform operators, administrators and other stakeholders about what happened at the facility, where and when



AUTOMATICALLY SEND REPORTS BY E-MAIL

You can set up automated sending of any report to TRASSIR ACS. This feature is very flexible, it is easy and intuitive to customize any complexity of frequency for report sending. The SMTP server configured inside TRASSIR is used for sending



The screenshot displays the configuration page for an attendance report. The report name is "Attendance report (without work schedule)". The work interval is set for 09/26/2023 from 09:00 to 18:00. The tolerance interval for events search is 01:00, and the minimum hours worked is also 01:00. The "Automatically mailing a report" checkbox is checked. The email address is r.usmanov@trassir-global.com, the mail account is Savkin, and the periodicity is set to Day. The report is scheduled to be sent once in 1 day starting from 09/26/2023 at 09:00. A "DOWNLOAD XLSX" button is visible in the top right of the report preview area.

Attendance report (without work schedule)
Attendance report (without work schedule) (09/26/2023 09:00 - 09/26/2023 18:00)

№	Name	Personnel number	Group	Visits info						
				Date	Arrival	Departure	Actual hours	Plan hours	Being late	Early leaving
1	Edith Joclyn		Projects	26.09.2023	08:00	12:29	04:29	09:00		05:31
2	Shannon Dennis		Office_Sales	26.09.2023	08:01	12:30	04:29	09:00		05:30

AUTOMATICALLY SEND REPORTS BY E-MAIL

^ HIDE MAILING PARAMETERS

Automatically mailing a report

Addresses: Mail account: Periodicity:

Once in: d From: Time:

^ HIDE MAILING PARAMETERS

Automatically mailing a report

Addresses: Mail account: Periodicity:

Mo Tu We Th Fr Sa Su Time:

Automatically mailing a report

Addresses: Mail account: Periodicity:

Days of month: Time:

License customer: Суриачев Дмитрий, подразделение: Отдел мкжк > Settings - Admin - INT-NSCompact/Plugins/Access Control/Visitor templates

INT-NSCompact

Server Settings

Plugins

Analytics

Access Control

Access Levels

Areas

Devices

Excipulatory Documents

Notifications

Personnel

Reports

Visitor templates

Work schedules

ActivePOS

AutoTrassir

Face Recognizer

IntelliVision

Neuro Detector

SipPhone

Hardware

Channels

Network

Automation

Search [] ADD

Guests for 1 day

New visitor template

Guests for 1 day

Pass requests

Users allowed to create requests:

Alex Savkin

Pass requests administration

Users allowed to administrate requests:

Alex Savkin

Pass issue

Automatic pass issue
A pass will be issued automatically after request creation

Users allowed to issue passes:

Office_Tech Dima Damaskin

James Howard Shannon Dennis

Available identifiers types

License plate: 1 d from the moment of issue

Card: 1 d from the moment of issue

Template access levels

Access levels

Office access

[quicksearch]

Close

^ HIDE MAILING PARAMETERS

Automatically mailing a report

Addresses: Mail account: Periodicity:

Days of month: Time:

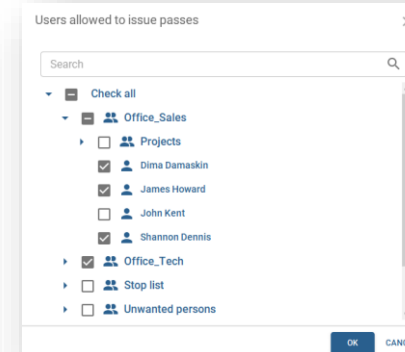
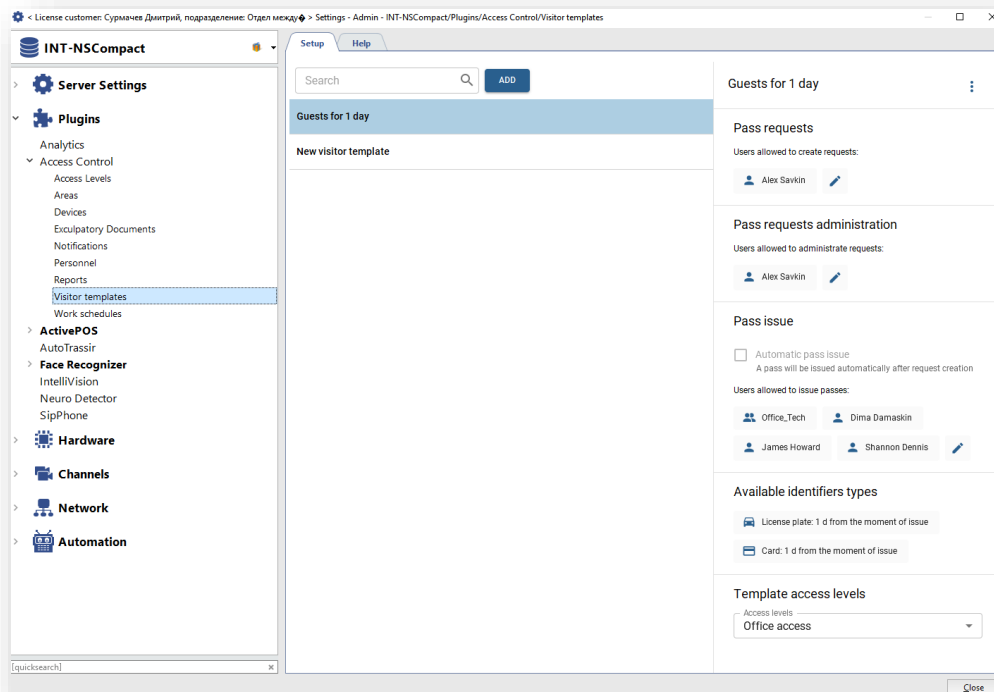
Adding and configuring e-mail accounts is done in the TRASSIR software in the Automation section. You can select only those accounts for which the current user has permissions

A man in a dark suit and white shirt is standing in profile, interacting with a self-service kiosk. The kiosk has a touchscreen display and a card reader. In the background, there are other kiosk units and a large window with a grid pattern. The entire image is overlaid with a semi-transparent purple and blue gradient. The text "GUEST PASS MANAGEMENT" is centered in white, bold, uppercase letters.

GUEST PASS MANAGEMENT

GUEST CREDENTIAL TEMPLATE SETTING

If separate rights and access levels need to be created for each individual tenant, you can specify who has the ability to create requests or issue passes, and which types of identifier are available. You can set up auto-issue* - order a pass, enter a number, and the access point (barrier) opens immediately. Pass validity may also be limited.



Identifier settings

Identifier type
License plate

Duration
Time since issued

Days
1

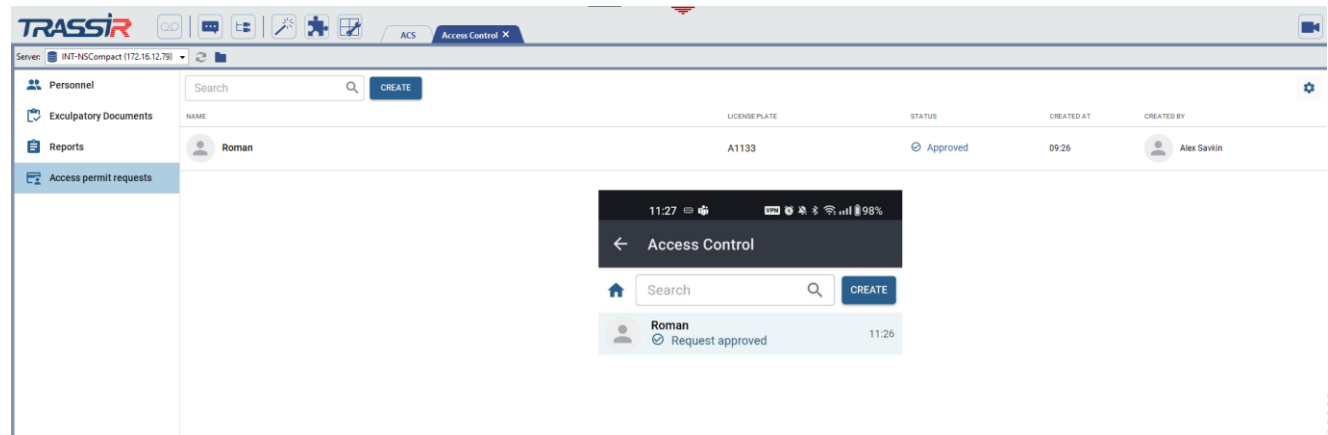
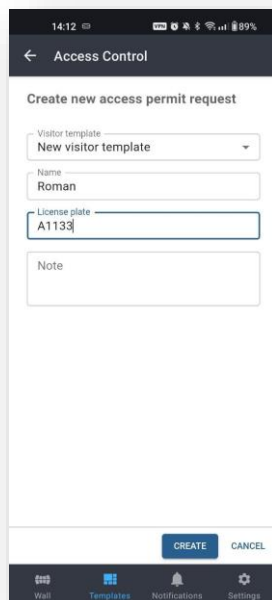
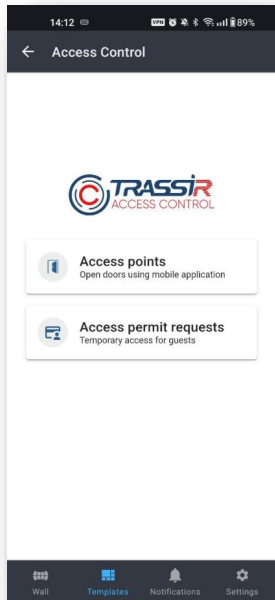
Hours
00:00

SAVE CANCEL

* currently available for license plates only

GUEST PASS ORDERING

Order credentials while using TRASSIR ACS from the mobile app by entering the guest's name, selecting an available group of people, and specifying a note.



VIEW ALL APPLICATIONS AND PASSES ISSUED

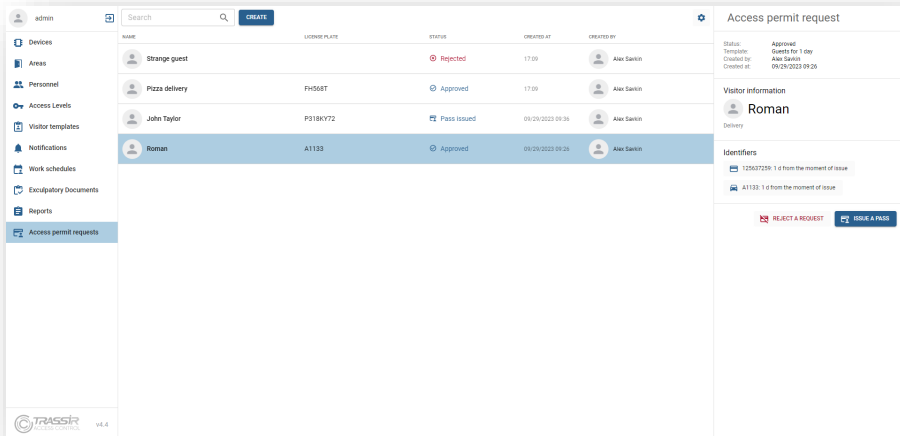
The screenshot displays the TRASSIR ACS interface. On the left is a sidebar with navigation items: Personnel, Exculpatory Documents, Reports, and Access permit requests (which is selected). The main area features a search bar, a 'CREATE' button, and a table of requests. The table has columns for NAME, LICENSE PLATE, STATUS, CREATED AT, and CREATED BY. The first row is highlighted in blue. On the right, there is a detailed view for the selected request, including status (Approved), template (Guests for 1 day), visitor information (John Taylor), and identifiers (P318KY72: 1 d from the moment of issue). At the bottom right of this panel are buttons for 'REJECT A REQUEST' and 'ISSUE A PASS'.

NAME	LICENSE PLATE	STATUS	CREATED AT	CREATED BY
John Taylor	P318KY72	Approved	09:36	Alex Savkin
Pizza delivery	34GHJ284	Pass issued	09:34	Alex Savkin
Roman	A1133	Approved	09:26	Alex Savkin

TRASSIR ACS currently contains two roles - one for ordering passes, and another for issuing them.

RECEPTIONIST ROLE IN THE PERMIT OFFICE

There is also an administrator role in TRASSIR ACS that can view all requests. Since the software organizes a kind of domain system where you can create templates for different organizations, the administrator can view, search and reject requests for all organizations



QR CODES

TRASSIR ACS supports QR codes as visitor identifiers.

The screenshot displays the TRASSIR ACS interface. On the left is a navigation sidebar with categories like Devices, Areas, Personnel, Access Levels, Visitor templates, Notifications, Work schedules, Exculpatory Documents, Reports, and Access permit requests. The main area shows a table of access permit requests. The 'Roman' entry is selected, and a detailed view is shown on the right. This view includes the request status (Approved), visitor information (Roman), and identifiers (125637259 and A1133). A modal window titled 'QR-code' is open, showing a large QR code and a 'DOWNLOAD' button. A 'CLOSE' button is at the bottom right of the modal.

NAME	LICENSE PLATE	STATUS	CREATED AT	CREATED BY
Strange guest		Rejected	17:09	Alex Savkin
Pizza delivery	FH568T	Approved	17:09	Alex Savkin
John Taylor	P318KY72	Pass issued	09/29/2023 09:36	Alex Savkin
Roman	A1133	Approved	09/29/2023 09:26	Alex Savkin

Access permit request

Status: Approved
Template: Guests for 1 day
Created by: Alex Savkin
Created at: 09/29/2023 09:26

Visitor Information

Roman
Delivery

Identifiers

- 125637259: 1 d from the moment of issue
- A1133: 1 d from the moment of issue

[REJECT A REQUEST](#) [ISSUE A PASS](#)

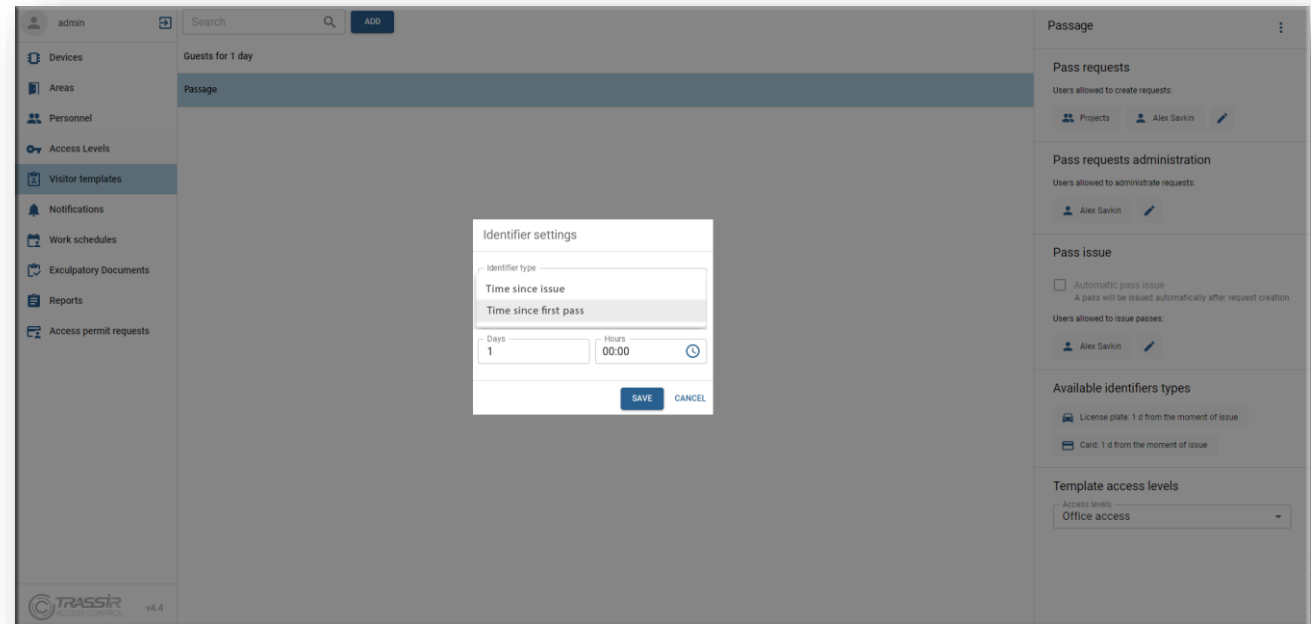
QR-code

DOWNLOAD

CLOSE

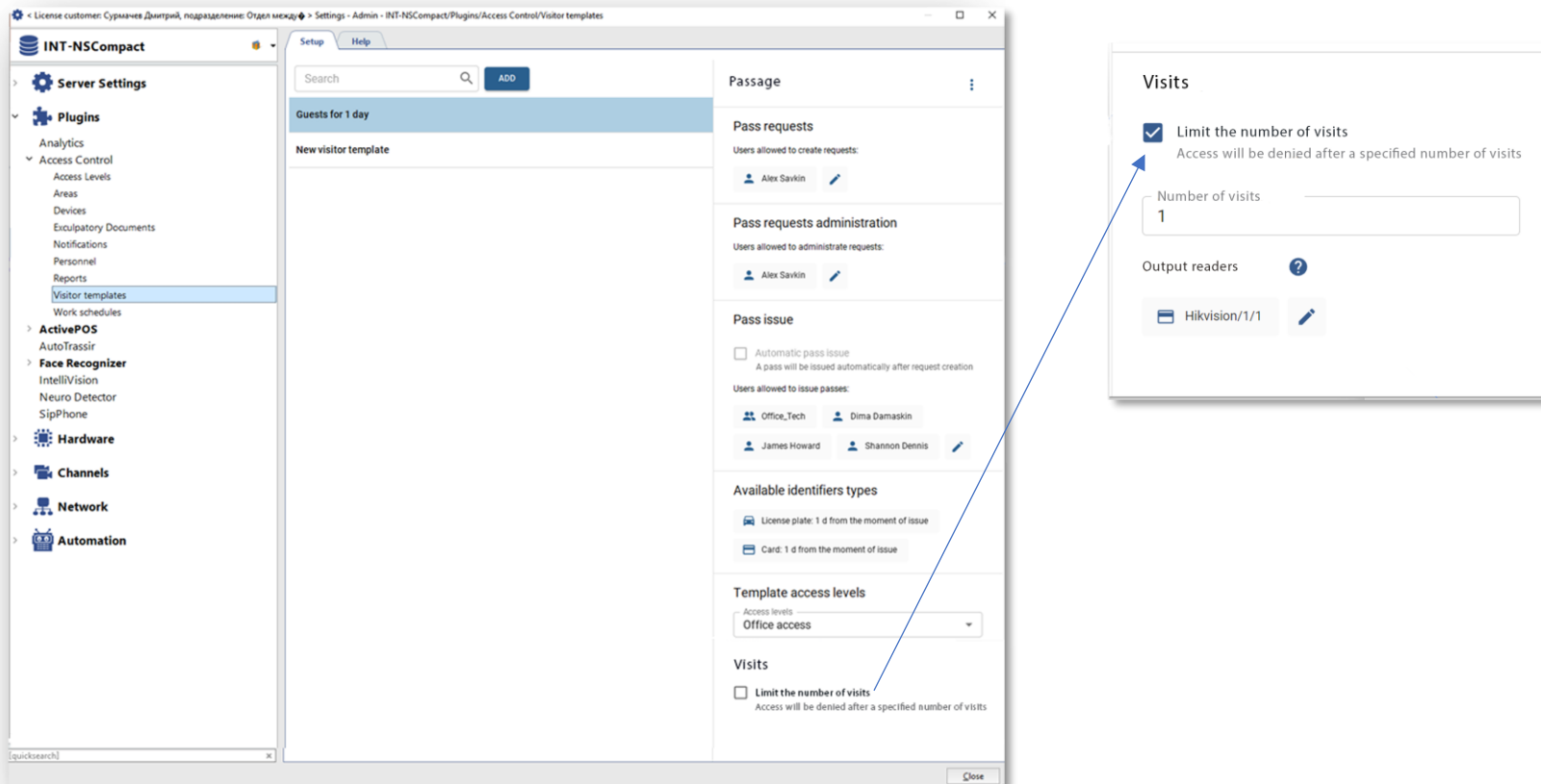
CALCULATING TIME FROM A VISITOR'S FIRST ENTRANCE

TRASSIR ACS has a feature for visitors to specify the validity period of a guest pass both from the moment of issuance and from the moment of the first entrance



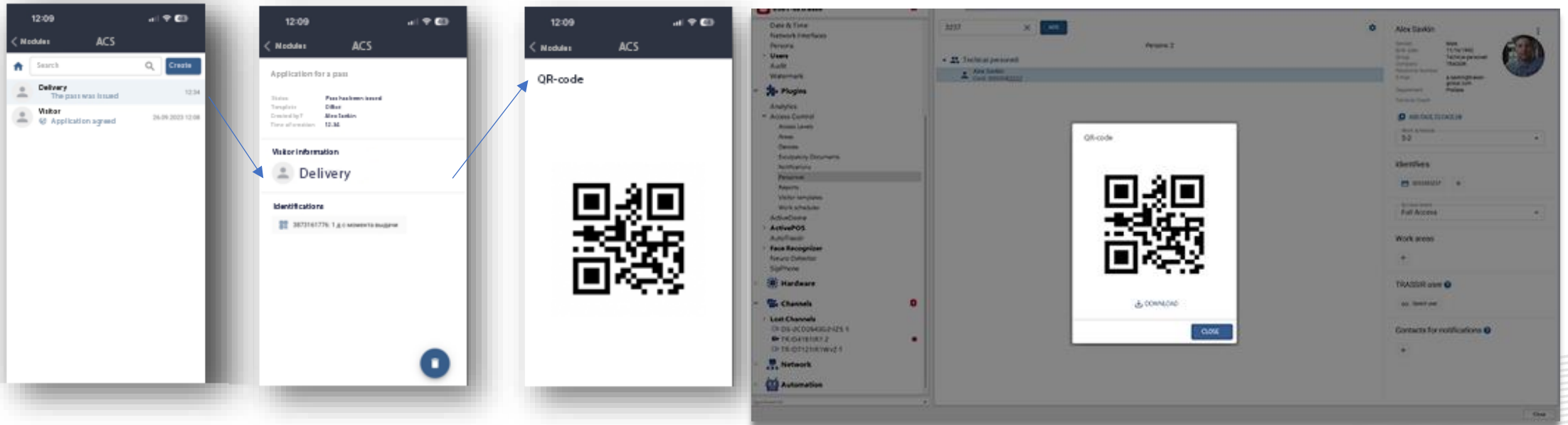
LIMITATION ON NUMBER OF VISITS

In addition to monitoring the amount of time a visitor spends on the site, TRASSIR ACS can limit the number of visits.



QR CODES

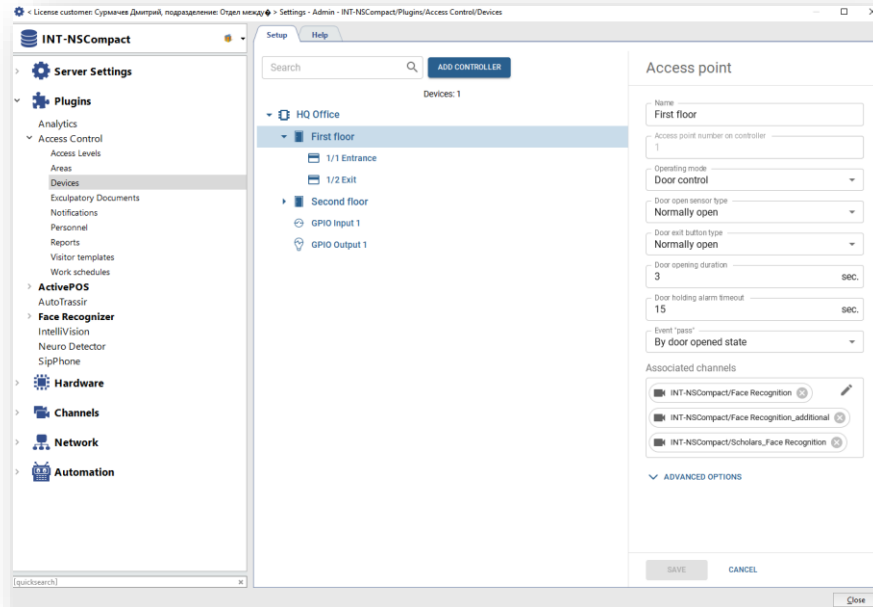
You can obtain a QR code as a visitor identifier in the TRASSIR mobile application, download it as a file, or print it out.



A man in a dark suit and tie is standing in profile, interacting with a self-service kiosk. The kiosk has a touchscreen display and a keyboard. In the background, there are other kiosk units and a large window. The entire image is overlaid with a semi-transparent blue and purple gradient. The text "EQUIPMENT CONFIGURATION AND MANAGEMENT" is centered in white, bold, uppercase letters.

**EQUIPMENT
CONFIGURATION AND
MANAGEMENT**

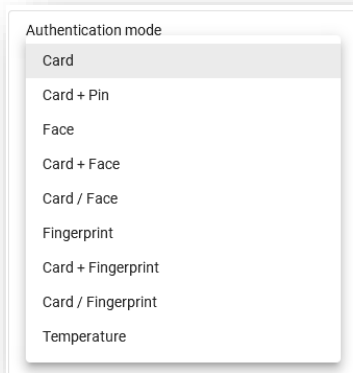
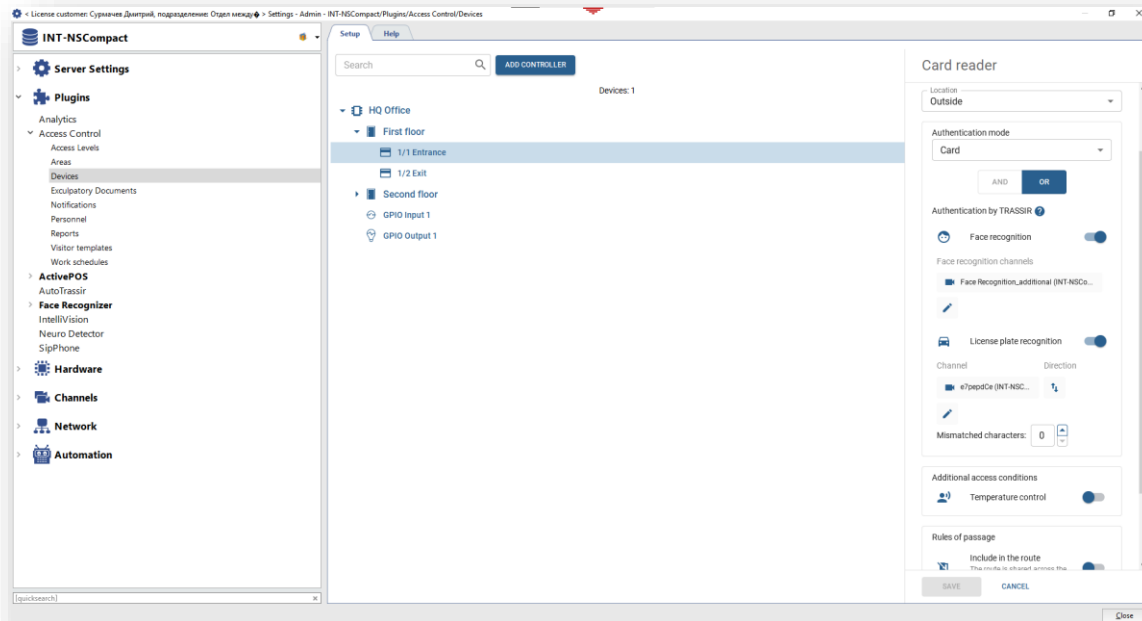
EQUIPMENT CONFIGURATION AND MANAGEMENT



You can configure the equipment using basic parameters. For example, the types of contacts for button activation, opening time, door hold time and the possibility of associating this access point with a video camera in order to view the video from this door by future events.



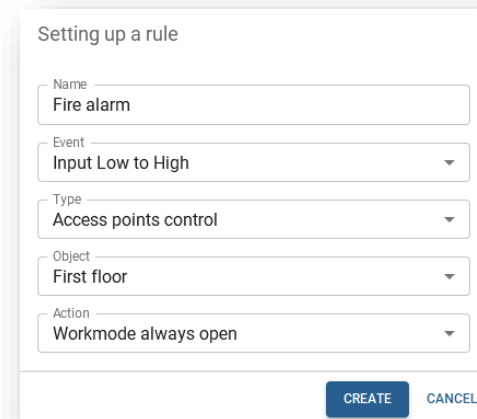
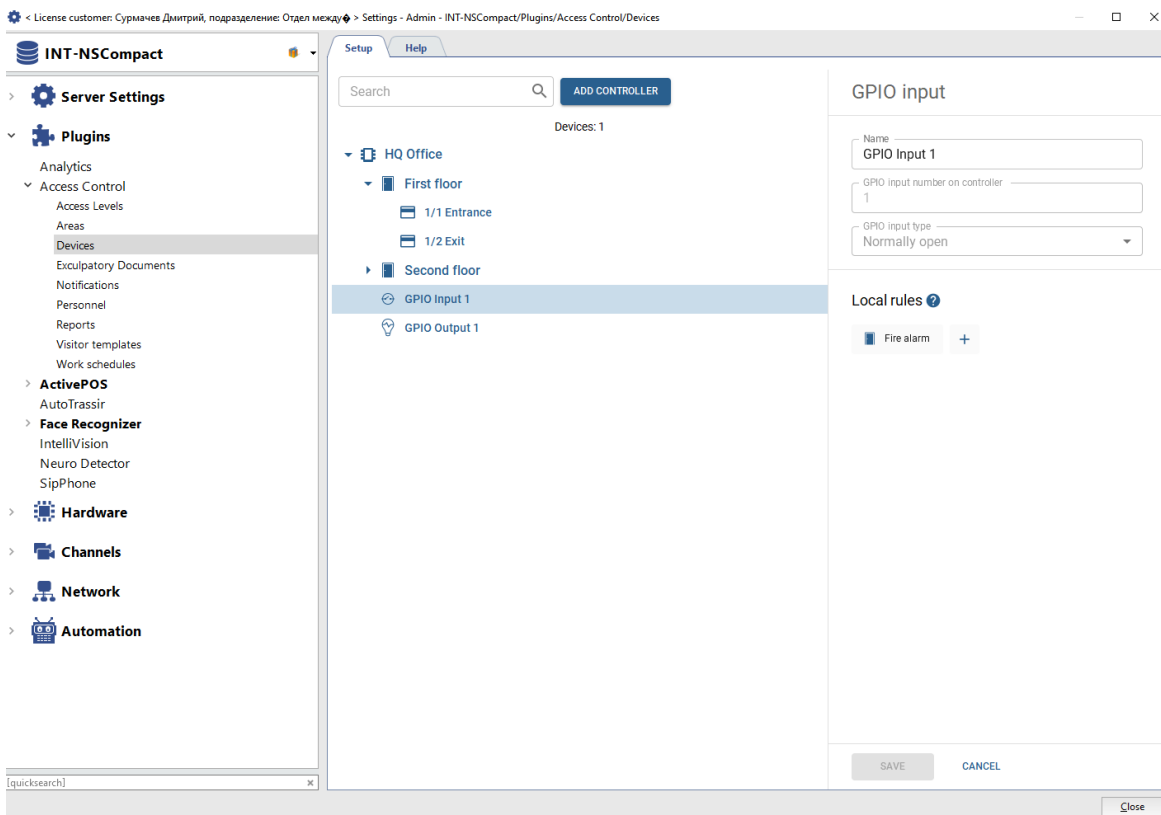
EQUIPMENT CONFIGURATION AND MANAGEMENT



You can configure any reader, and add additional identification using TRASSIR tools - license plate and face recognition

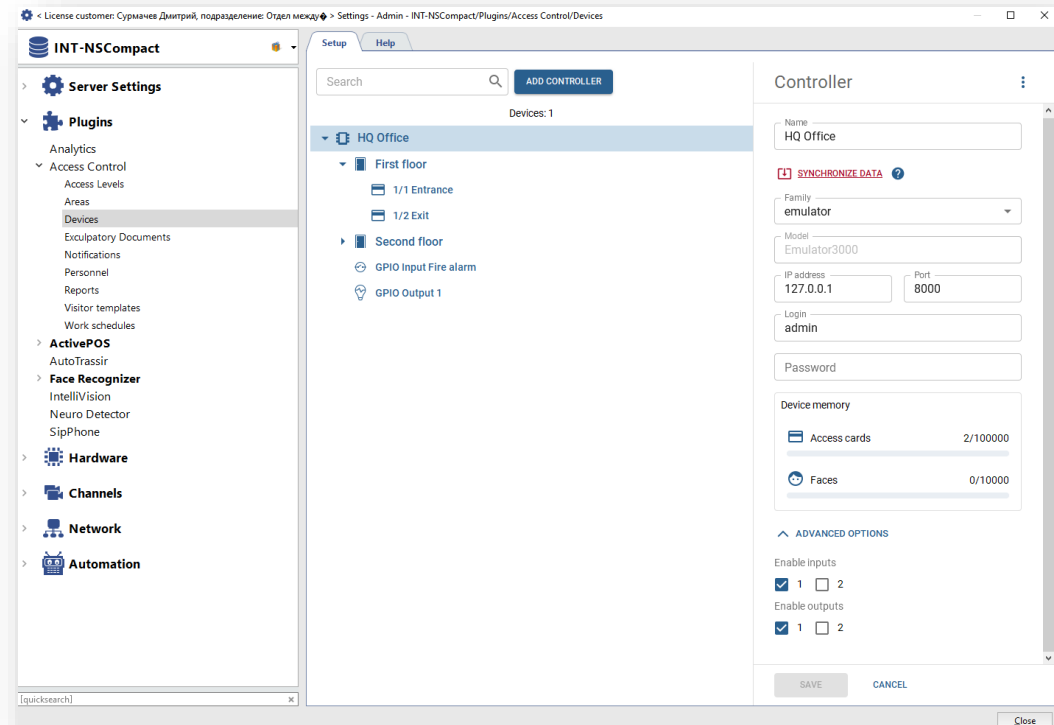
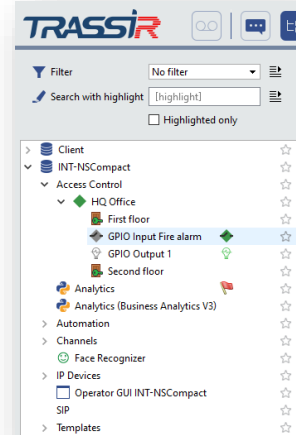
EQUIPMENT CONFIGURATION AND MANAGEMENT

Additionally, you can configure TRASSIR ACS actions upon receiving signals from other systems, for example, fire alarm systems



GPIO ON TRASSIR CONTROLLERS

TRASSIR ACS supports alarm inputs and outputs on devices. This allows external equipment to be connected to the controllers and terminals as a source or receiver of certain signals, such as a siren or lighting control system.

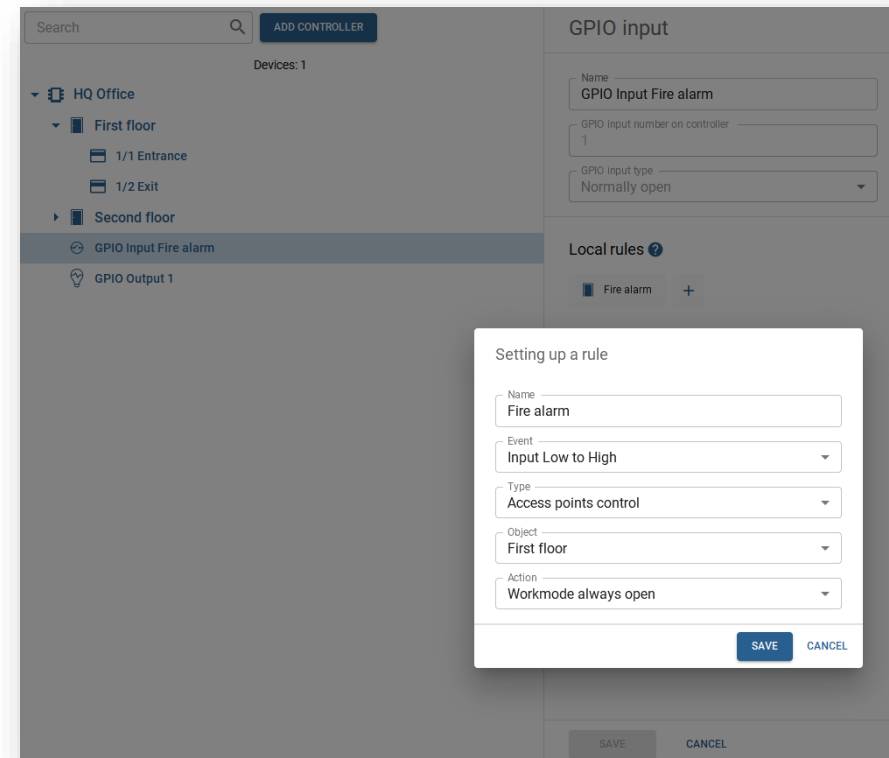


LOCAL RULES

In TRASSIR ACS you can create local rules on TRASSIR controllers, and thus use alarm inputs and outputs.

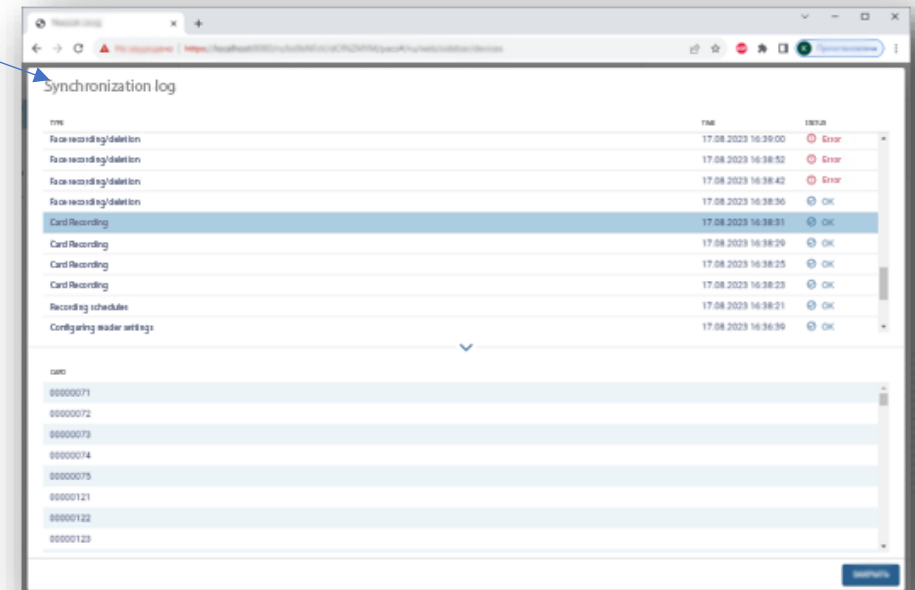
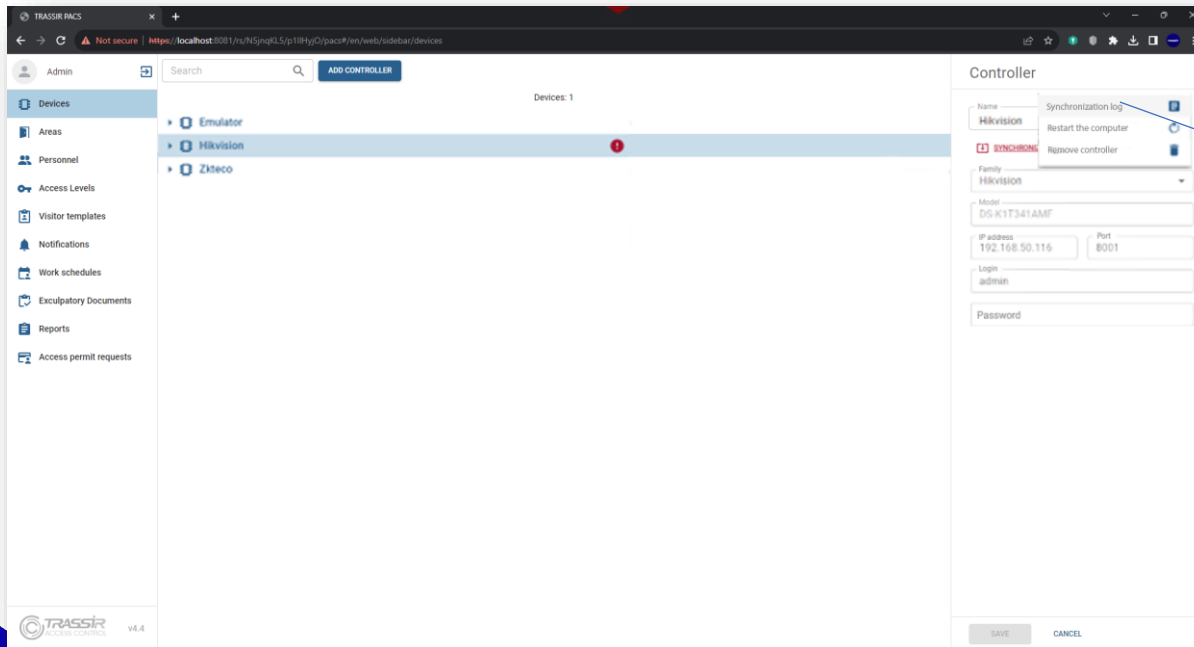
These rules are stored in the controller's local memory and will continue to be executed locally if the connection is lost for any reason.

This feature is useful when working with fire alarms, for example, when the alarm system is triggered, doors can be unlocked regardless of the controller's connection to the server



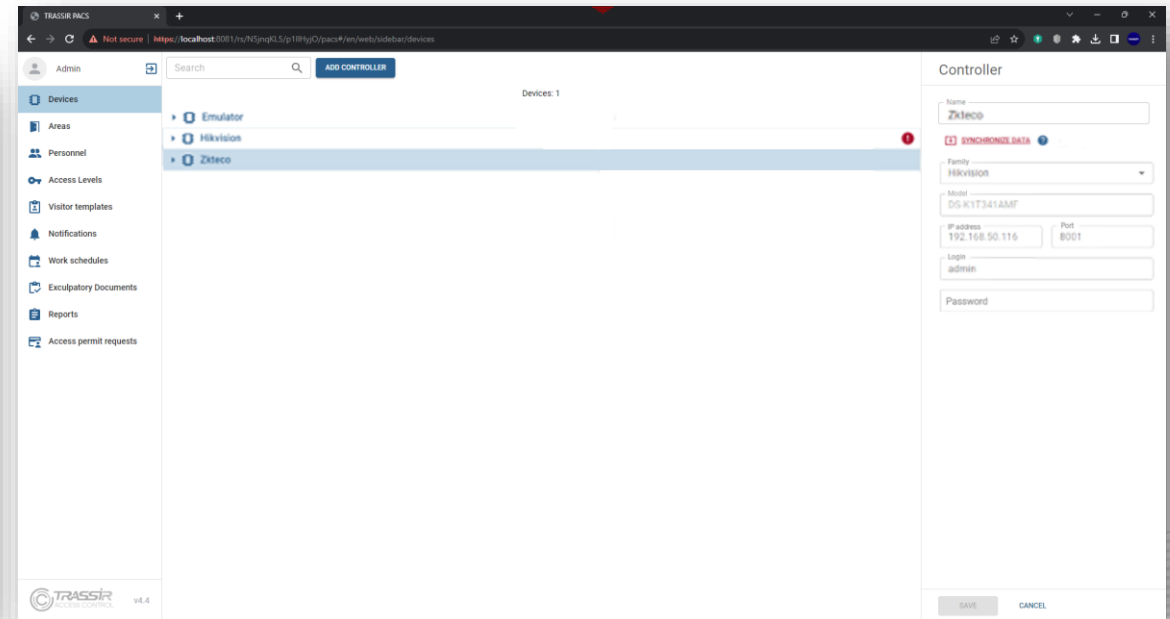
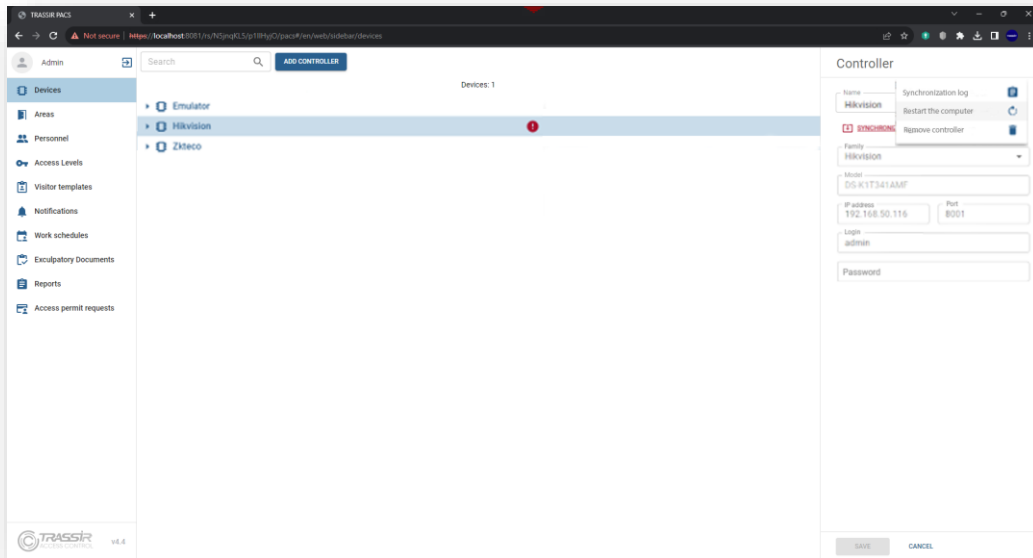
DEVICE SYNCHRONIZATION

You can see the results of device synchronization in TRASSIR ACS. The system will issue a warning in the case of synchronization errors. Additionally, any synchronization event will be recorded in the Synchronization Logbook



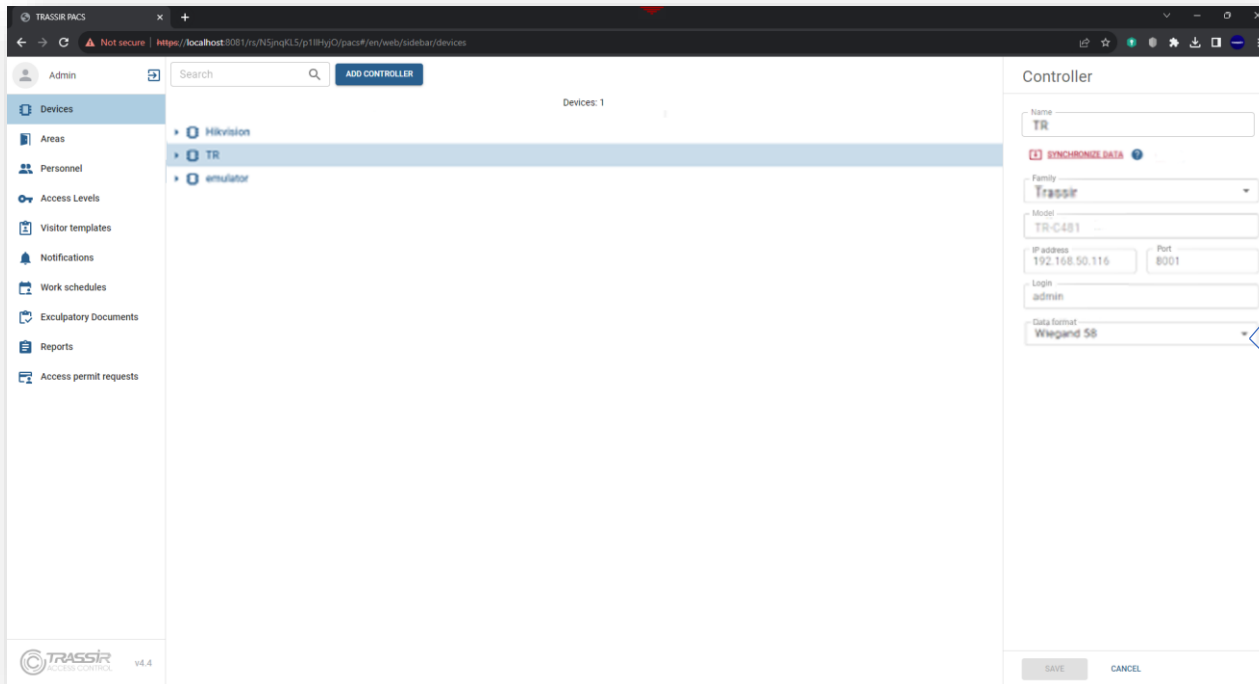
ADDITIONAL DEVICE MANAGEMENT FEATURES

TRASSIR ACS now has the ability to remotely reboot devices directly from the software. You can also view the memory status of each device for TRASSIR, HikVision and ZKTeco devices



WIEGAND 58 SUPPORT

In addition to Wiegand 26/34 format identifiers, TRASSIR ACS supports Wiegand 58 for devices working with this format, which is relevant for companies with a large number of employees



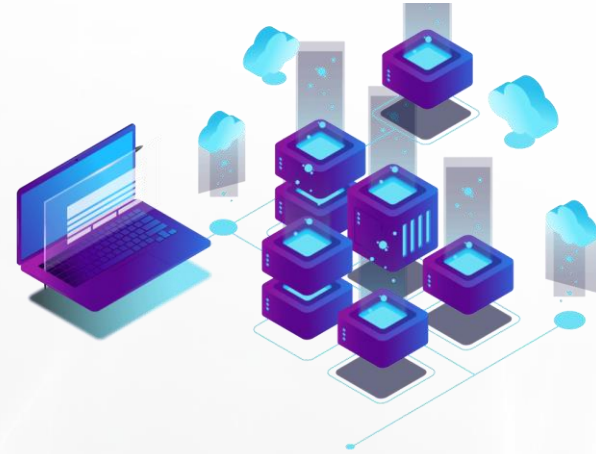
Data format configured during installation on readers connected to the controller



ACS FOR DISTRIBUTED SITES

TRASSIR ACS ENTERPRISE

Unified access control and time tracking for companies with branches or separate distributed facilities



Allows you

- to combine ACS servers installed in separate departments into a single system;
- simplify the administration of ACS and remote control systems without building a private virtual network using TRASSIR Cloud Connect.

Who will it help?

Companies:

- with a large number of distributed facilities, branches and divisions;
- with a lot of of personnel who moves between departments
- which maintain consolidated time records for all units or need to accurately track the working hours of staff moving between sites

Advantages

- increased fault tolerance;
- access control from the head office and between separate, distributed branches/objects;
- generating reports, including timekeeping with accounting of movement between facilities/branches;
- information on the number of people at the facilities

TRASSIR ACS ENTERPRISE

Provides a huge number of benefits in use:



ADMINISTRATIVE CONVENIENCE

- people are created and configured on the central server.
- ✓ Assigning different access levels to a person allows them to move between separate branches (no need to duplicate settings on each separate server).
- ✓ Functions for inheriting parameters in groups, mass assignments and transfer of persons allow you to conveniently work with a large number of employees.



EASY CONNECTION

- communication between separate branches and the central server can be organized either via local network or via TRASSIR Cloud Connect
- ✓ Allows you to combine servers with different connectivity capabilities



FAULT TOLERANCE

- connecting a stand-alone server to the unified TRASSIR ACS Enterprise solution does not limit the operation of the local TRASSIR ACS in any way.
- ✓ All functions (person administration, access control, permit office, reporting, etc.) continue to operate independently and autonomously



END-TO-END REPORTING

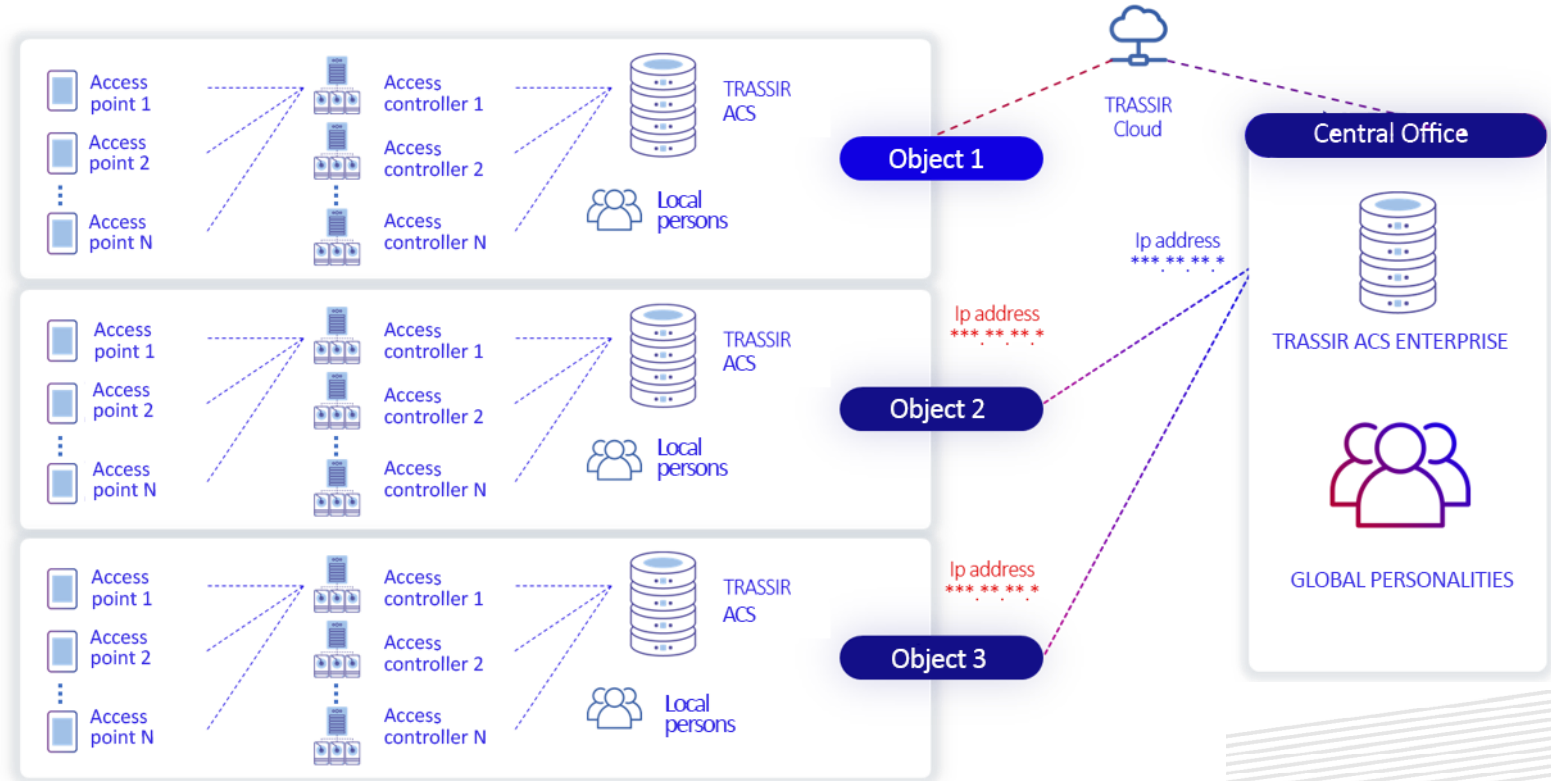
- allows you to generate reports in a centralized way, taking into account employee movement between departments and by number of employees at sites



DIVISION OF OPERATOR/ADMINISTRATOR FUNCTIONS BY SEGMENT

SOLUTION ARCHITECTURE

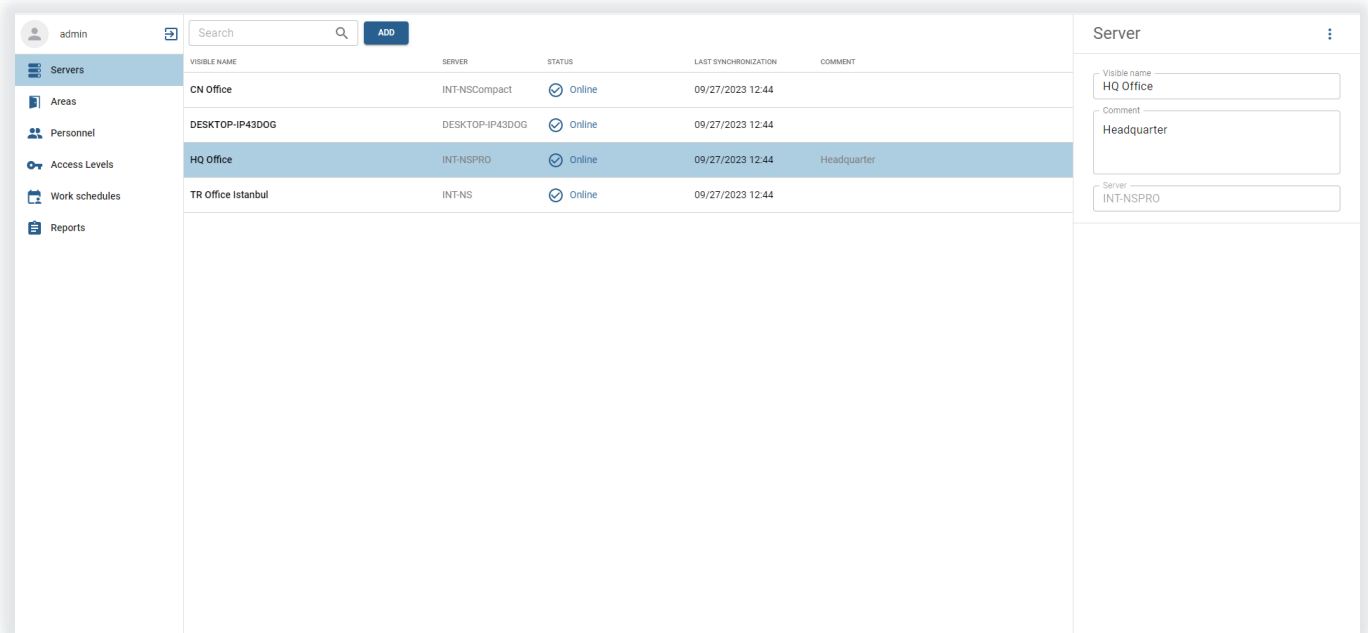
TRASSIR ACS Enterprise is deployed in the data center, preferably on a virtual machine to ensure full fault tolerance. This software is connected to local TRASSIR ACS servers, which in turn work with control devices (access terminals, controllers) and executive devices.



TRASSIR ENTERPRISE ACS INTERFACE. SERVERS

TRASSIR ACS Enterprise's interface is similar to the TRASSIR ACS interface installed locally on sites.

The main difference is the presence of the "Servers" tab, where you can add servers, see their status, date of the last synchronization, and the displayed name, if, for example, you want the name of the object to be displayed instead of the conditional MiniNVR.

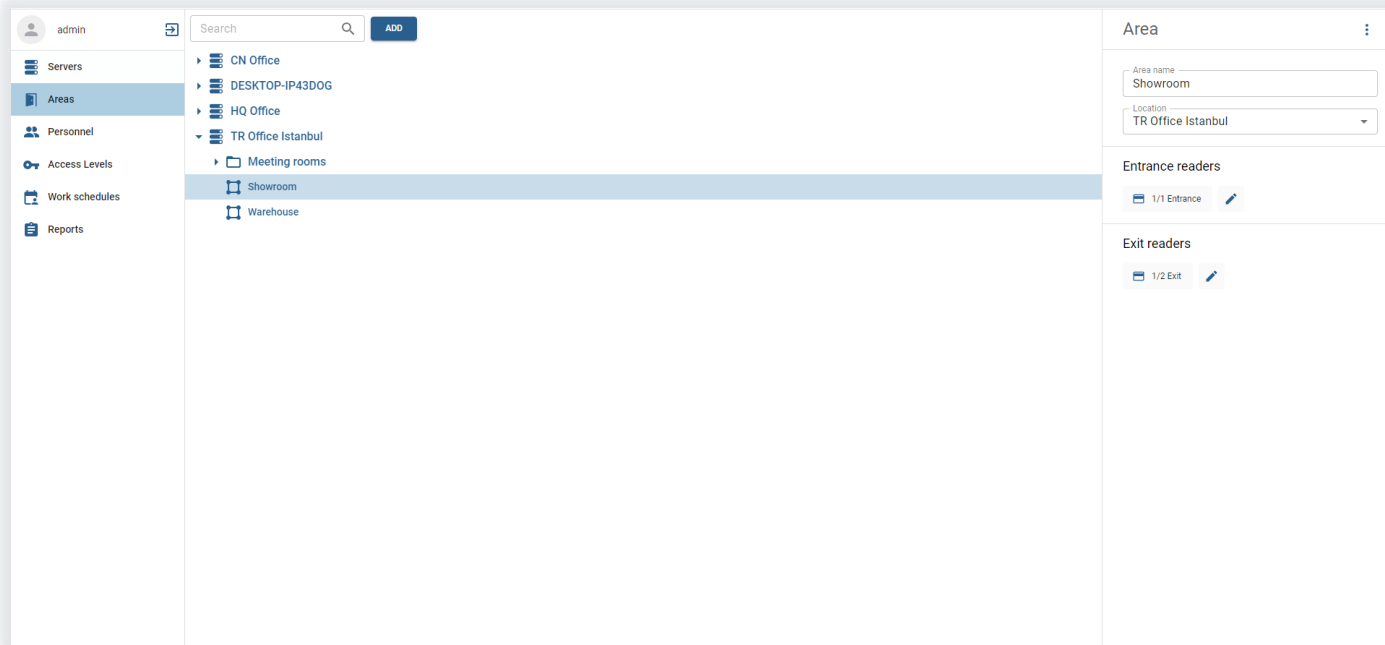


VISIBLE NAME	SERVER	STATUS	LAST SYNCHRONIZATION	COMMENT
CN Office	INT-NSCompact	Online	09/27/2023 12:44	
DESKTOP-IP43DOG	DESKTOP-IP43DOG	Online	09/27/2023 12:44	
HQ Office	INT-NSPRO	Online	09/27/2023 12:44	Headquarter
TR Office Istanbul	INT-NS	Online	09/27/2023 12:44	

The right-hand panel shows the 'Server' configuration form with the following fields:

- Visible name: HQ Office
- Comment: Headquarter
- Server: INT-NSPRO

TRASSIR ENTERPRISE ACS INTERFACE. ZONES



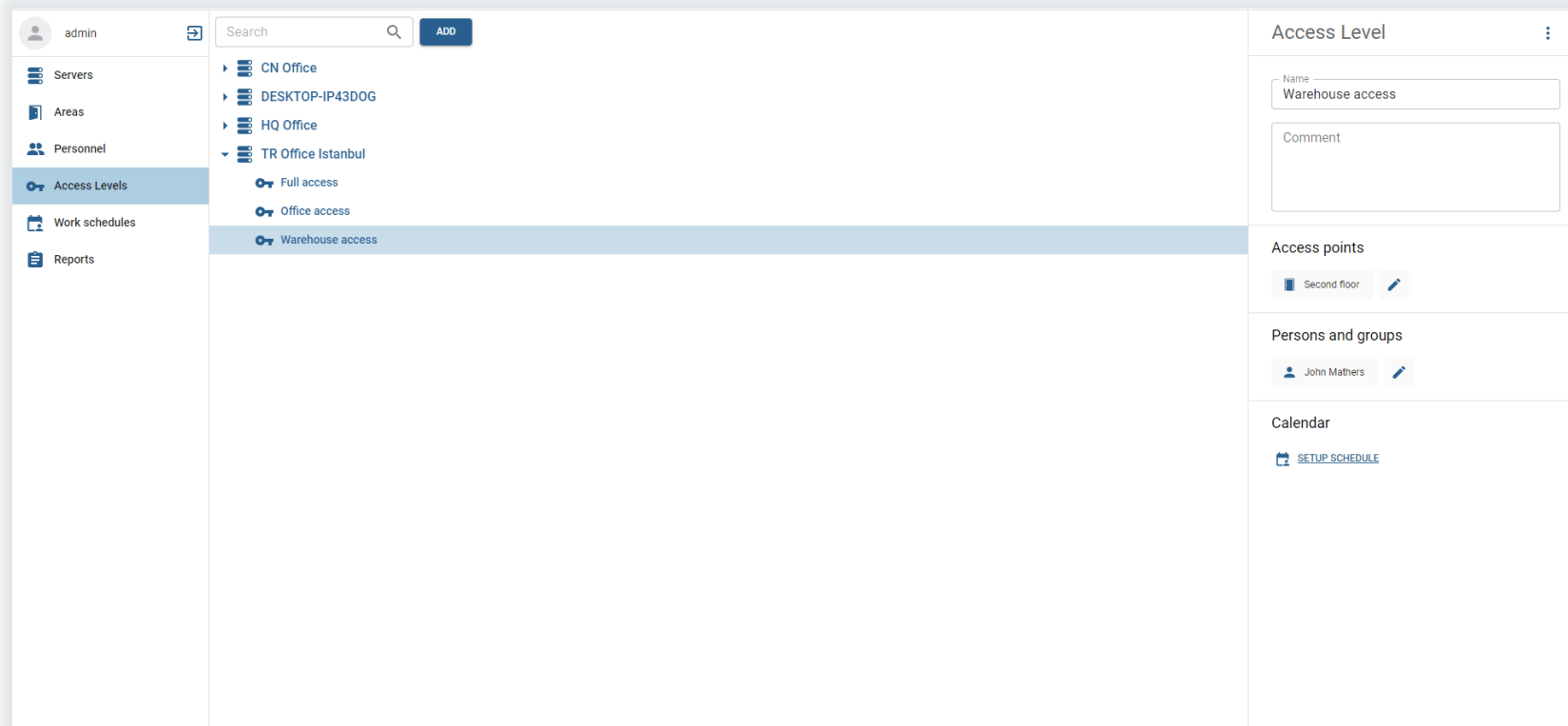
The next section is zones; they serve two purposes:
1) describe the workplace for timekeeping purposes;
2) to set it as the employee's work zone.

In addition to creating a zone, you can group it into folders, and also take into account entry and exit readers.



TRASSIR ENTERPRISE ACS INTERFACE. LEVELS

Access levels are created for each server, everything is centralized. Operators can connect to the central server through the web interface, or through the client. This is where access levels are created, access points are defined, and schedules are assigned.



TRASSIR ENTERPRISE ACS INTERFACE. SCHEDULES

Work schedules are needed to generate timekeeping reports. You can define the employee's work schedule, any kind of exception days, deviations, shifts (5/2, classic) and much more

NAME	COMMENT	ASSIGNED TO
2/2		Not assigned
5-2		Persons: 1
7/0		Not assigned

Work schedule

Name: 5-2

Comment:

Assigned to: John Mathers

Calendar: WEEK MONTH

Mo 09/25/2023
00 • 02 • 04 • 06 • 08 • 10 • 12 • 14 • 16 • 18 • 20 • 22 • 24

Tu 09/26/2023
00 • 02 • 04 • 06 • 08 • 10 • 12 • 14 • 16 • 18 • 20 • 22 • 24

We 09/27/2023
00 • 02 • 04 • 06 • 08 • 10 • 12 • 14 • 16 • 18 • 20 • 22 • 24

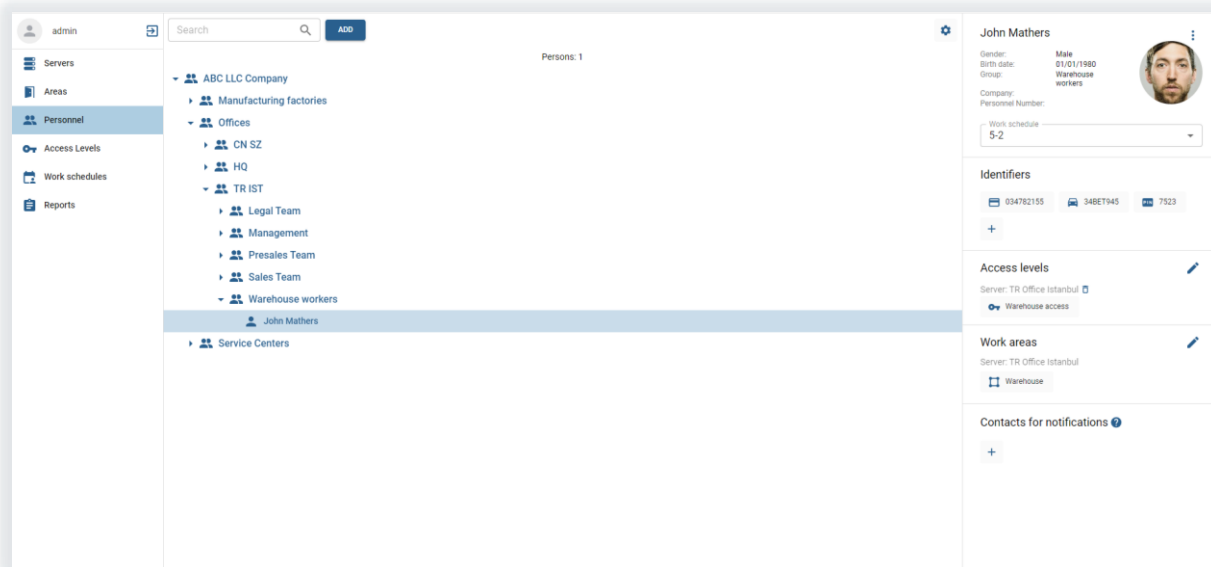
Th 09/28/2023
00 • 02 • 04 • 06 • 08 • 10 • 12 • 14 • 16 • 18 • 20 • 22 • 24

Fr 09/29/2023
00 • 02 • 04 • 06 • 08 • 10 • 12 • 14 • 16 • 18 • 20 • 22 • 24

Sa 09/30/2023
00 • 02 • 04 • 06 • 08 • 10 • 12 • 14 • 16 • 18 • 20 • 22 • 24

Su 10/01/2023
00 • 02 • 04 • 06 • 08 • 10 • 12 • 14 • 16 • 18 • 20 • 22 • 24

TRASSIR ENTERPRISE ACS INTERFACE. PERSONNEL



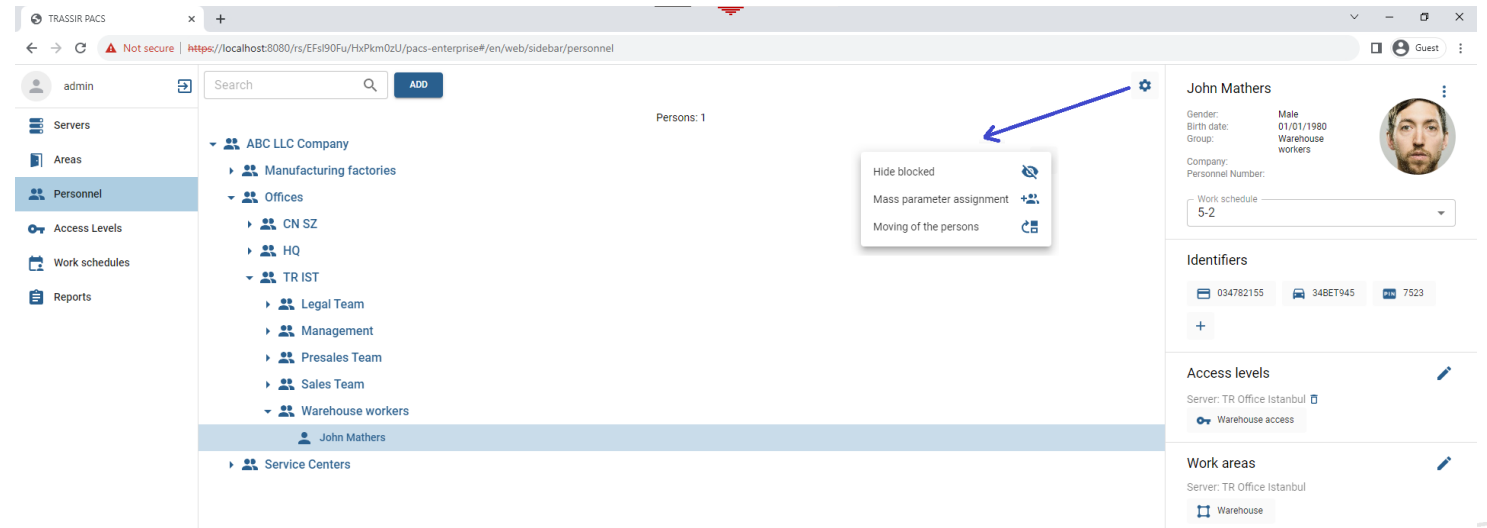
In the "Personnel" tab you set the access level and identifiers: card, license plate number, pin code, face. Once the access level is assigned, the personas are "distributed" to the required servers and "settled" there.

You should also specify the work zones that will later be required to generate reports.



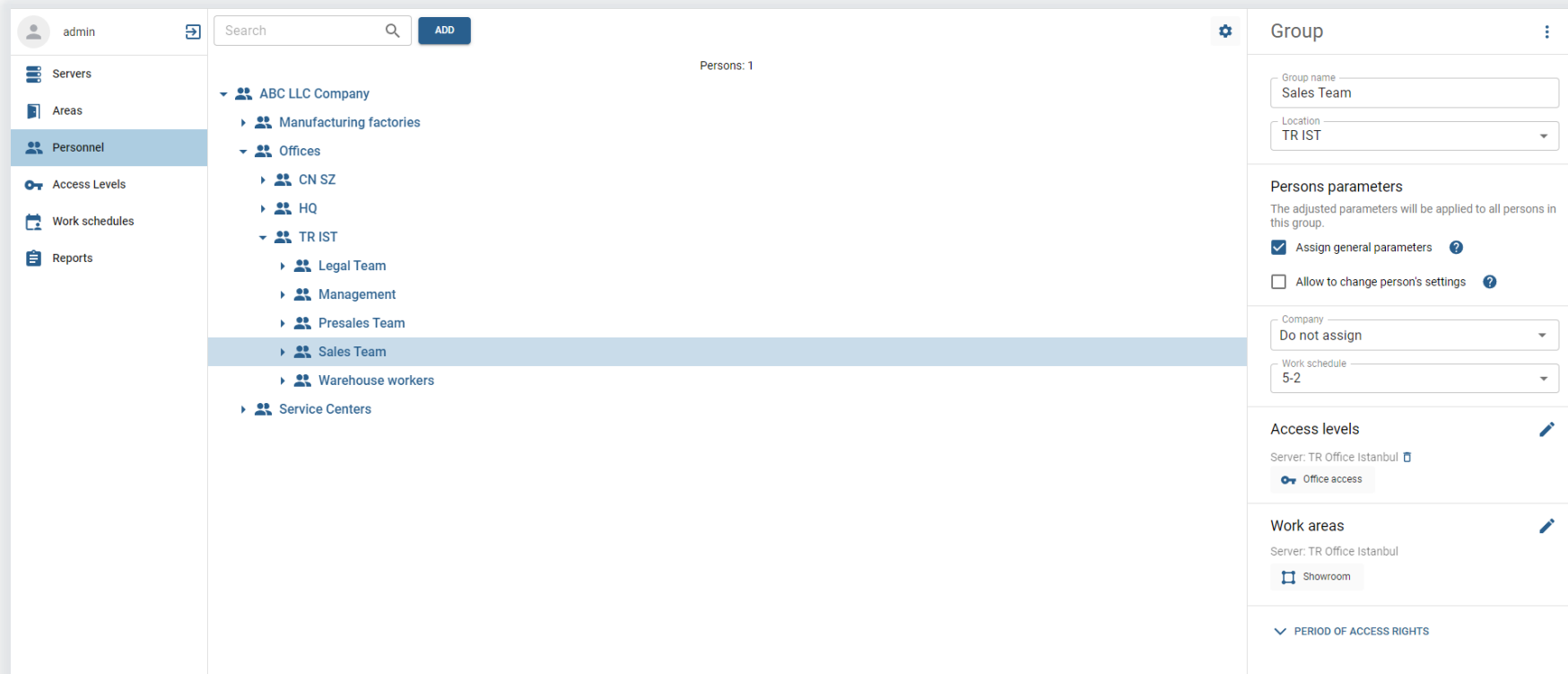
TRASSIR ENTERPRISE ACS INTERFACE. MASS PARAMETER ASSIGNMENT

In TRASSIR ACS it is possible to assign parameters in bulk, which allows you to change parameters for a group of employees or for employees from different groups, as well as to perform personnel transfer, i.e. moving employees by groups.



TRASSIR ENTERPRISE ACS INTERFACE. GROUP ADMINISTRATION

Another feature is group administration. Now you can assign access rights to groups immediately and when you create an employee in a group or move an employee to a new group, the employee will automatically inherit these rights. Inheritance can be hard (default) - all employees who are in the group automatically inherit the parameter. Inheritance can also be made soft, i.e. allow parameters to be changed by persons. For example, add another access level to a person or change the work schedule or work zone for a specific employee in a group.



The screenshot displays the TRASSIR Enterprise ACS interface for group administration. The left sidebar shows navigation options: Servers, Areas, Personnel (selected), Access Levels, Work schedules, and Reports. The main area shows a tree view of the organization structure under 'ABC LLC Company', with 'Sales Team' selected. The right sidebar shows the configuration for the 'Sales Team' group, including fields for Group name, Location, and various parameters like Assign general parameters, Allow to change person's settings, Company, Work schedule, Access levels, and Work areas.

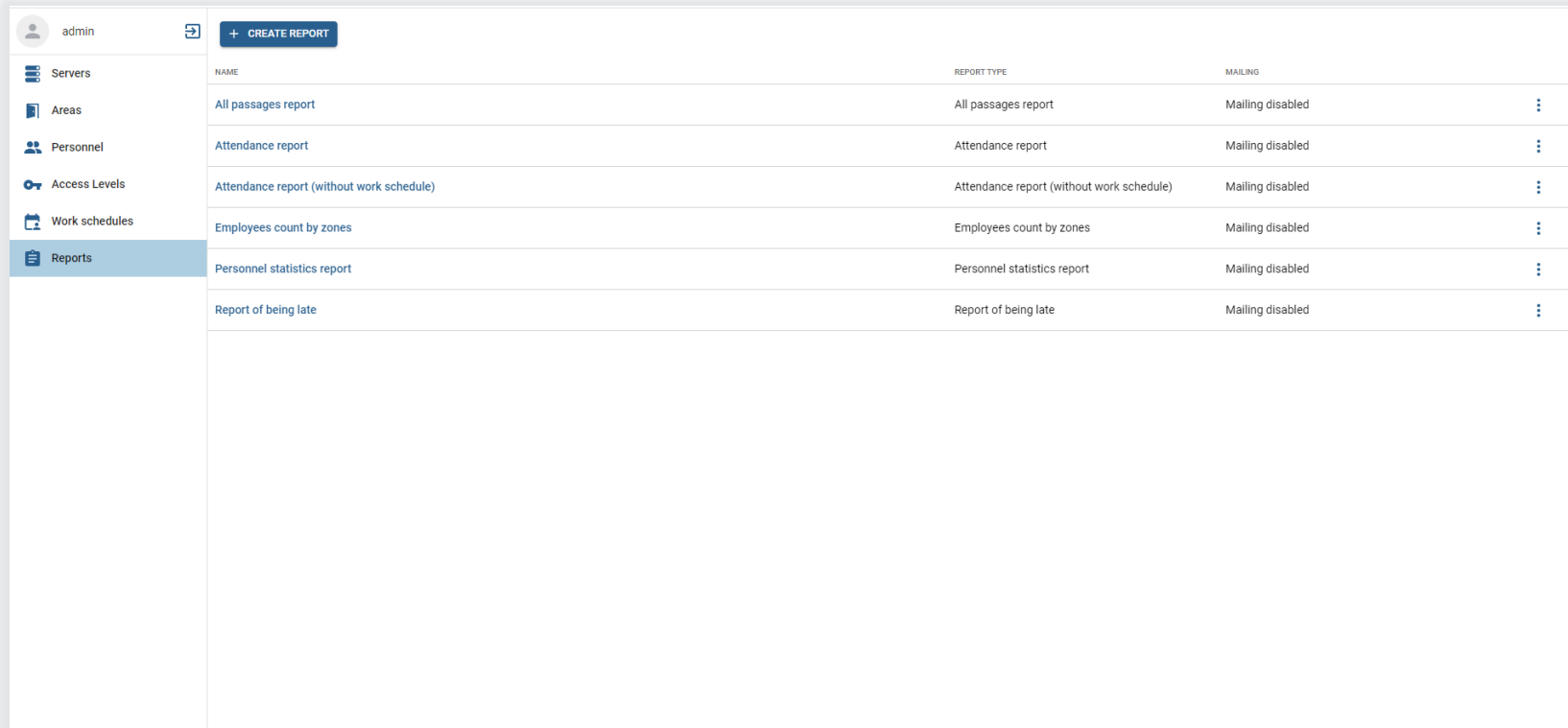
admin [Search] [ADD] Persons: 1

- ABC LLC Company
 - Manufacturing factories
 - Offices
 - CN SZ
 - HQ
 - TR IST
 - Legal Team
 - Management
 - Presales Team
 - Sales Team**
 - Warehouse workers
 - Service Centers

Group configuration for Sales Team:

- Group name: Sales Team
- Location: TR IST
- Persons parameters:
 - Assign general parameters:
 - Allow to change person's settings:
- Company: Do not assign
- Work schedule: 5-2
- Access levels: Office access
- Work areas: Showroom
- PERIOD OF ACCESS RIGHTS

TRASSIR ENTERPRISE ACS INTERFACE. REPORTS

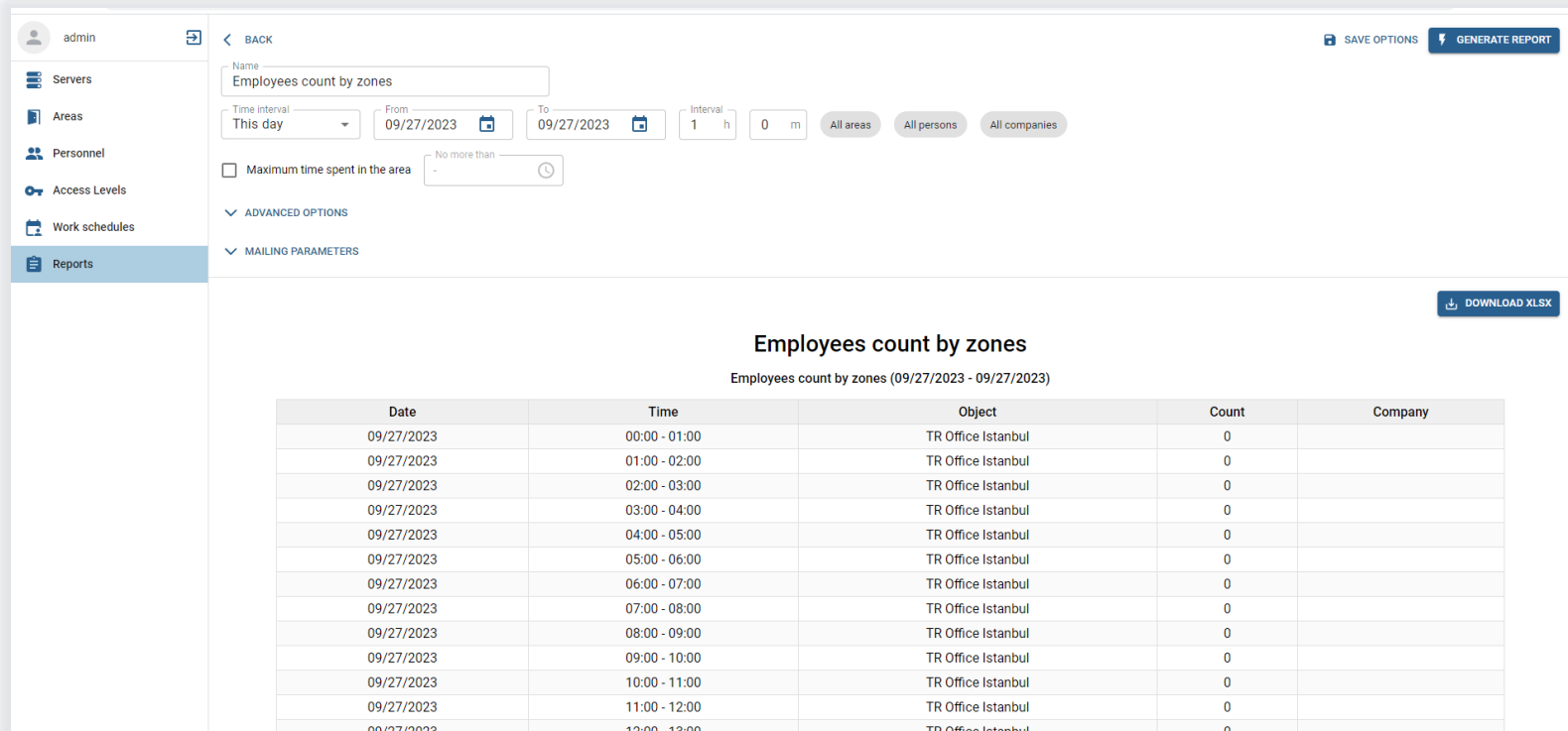


NAME	REPORT TYPE	MAILING	
All passages report	All passages report	Mailing disabled	⋮
Attendance report	Attendance report	Mailing disabled	⋮
Attendance report (without work schedule)	Attendance report (without work schedule)	Mailing disabled	⋮
Employees count by zones	Employees count by zones	Mailing disabled	⋮
Personnel statistics report	Personnel statistics report	Mailing disabled	⋮
Report of being late	Report of being late	Mailing disabled	⋮

The Enterprise solution contains all the same reports as the local TRASSIR ACS.

TRASSIR ENTERPRISE ACS INTERFACE. REPORTS

The "Number of employees in zones" report in TRASSIR ACS Enterprise also includes grouping by companies. This report is constructed as a heat map by time interval. The report displays how many people from which company were on-site throughout the working day. Thanks to this report it is possible to track the dynamics of attendance. For example, in the morning there were 100 people on-site, then by lunchtime or an hour later 50 people had checked in, and by the evening there were 100 again. This is mostly needed for working with contractors.



The screenshot shows the TRASSIR ACS Enterprise interface for generating a report. The left sidebar contains navigation options: Servers, Areas, Personnel, Access Levels, Work schedules, and Reports (selected). The main area shows the report configuration for "Employees count by zones".

Report Configuration:

- Name: Employees count by zones
- Time interval: This day
- From: 09/27/2023
- To: 09/27/2023
- Interval: 1 h 0 m
- Buttons: All areas, All persons, All companies
- Maximum time spent in the area: No more than -
- Buttons: SAVE OPTIONS, GENERATE REPORT
- Buttons: DOWNLOAD XLSX

Report Title: Employees count by zones
Employees count by zones (09/27/2023 - 09/27/2023)

Date	Time	Object	Count	Company
09/27/2023	00:00 - 01:00	TR Office Istanbul	0	
09/27/2023	01:00 - 02:00	TR Office Istanbul	0	
09/27/2023	02:00 - 03:00	TR Office Istanbul	0	
09/27/2023	03:00 - 04:00	TR Office Istanbul	0	
09/27/2023	04:00 - 05:00	TR Office Istanbul	0	
09/27/2023	05:00 - 06:00	TR Office Istanbul	0	
09/27/2023	06:00 - 07:00	TR Office Istanbul	0	
09/27/2023	07:00 - 08:00	TR Office Istanbul	0	
09/27/2023	08:00 - 09:00	TR Office Istanbul	0	
09/27/2023	09:00 - 10:00	TR Office Istanbul	0	
09/27/2023	10:00 - 11:00	TR Office Istanbul	0	
09/27/2023	11:00 - 12:00	TR Office Istanbul	0	
09/27/2023	12:00 - 13:00	TR Office Istanbul	0	



INTEGRATION CAPABILITIES

SUPPORT CentOS, ASTRA LINUX, WIN32 and WIN64

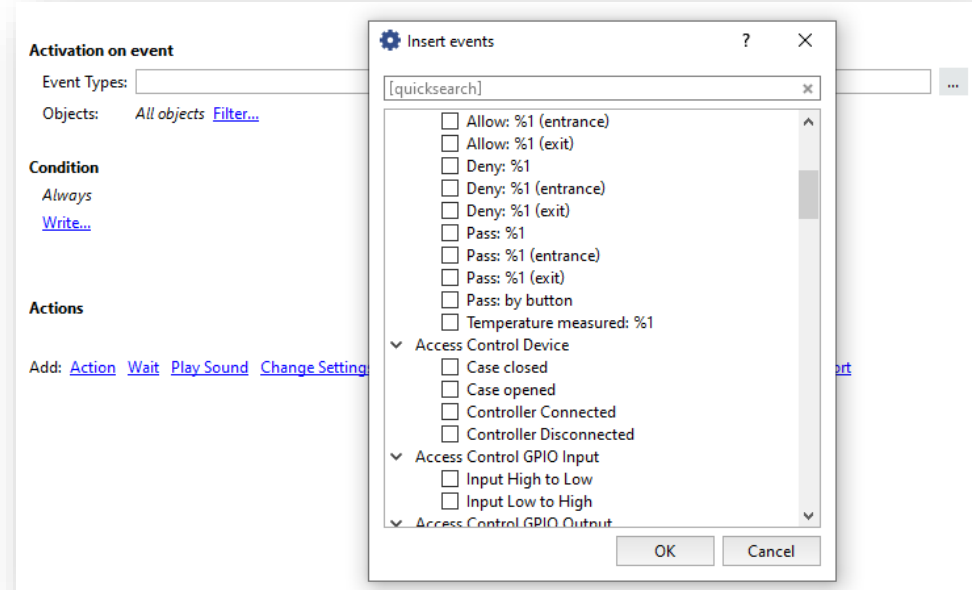


TRASSIR ACS supports operating systems CentOS, ASTRA LINUX, 32- X32 and 64-BIT versions of WINDOWS

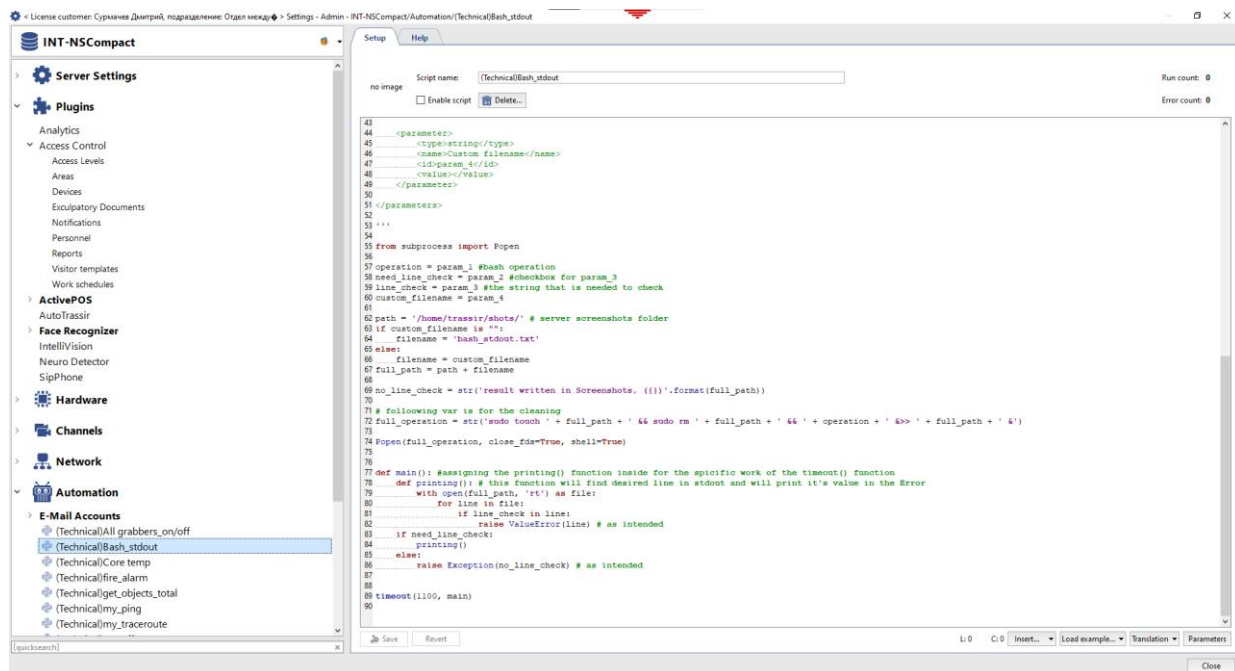


SETTING UP RULES, FLEXIBLE REACTIONS TO EVENTS

A variety of rules can be created in the system for how it reacts to certain events. This can be done by selecting the desired action from a list of events and reactions (e.g., sending an email, playing a sound when a device fails, etc.)



EMBEDDED PROGRAMMING LANGUAGE



In case that your requirements are not on the list of available rules, you can use Python to create more complex scripts for TRASSIR ACS behaviors.

OPEN API

TRASSIR ACS has complete documentation with corresponding examples. It can be integrated with any information system you need. All of the TRASSIR system interface's functions can also be accessed through the open API.

Request

```
{
  "info": {
    "admins": [],
    "face_recognition_interval": 5,
    "family": "emulator",
    "ip_address": "192.168.1.201",
    "login": "admin",
    "name": "New device",
    "password": "12345",
    "port": 8000,
    "wiegand": -1
  },
  "language": "en"
}
```

Response

```
{
  "info": {
    "admins": [],
    "capacity": {},
    "errors": [],
    "face_recognition_interval": 5,
    "family": "emulator",
    "id": 9,
    "inputs": [],
    "ip_address": "192.168.1.201",
    "licensed": true,
    "linkages": [],
    "login": "admin",
    "name": "New device",
    "outputs": [],
    "parent_device_id": 0,
    "password": "",
    "port": 8000,
    "status": "CONNECTING",
    "wiegand": -1
  }
}
```

TRASSIR®



trassir.com



welcome@trassir.com

