ID-TIME

A SOLUTION FOR RELIABLE ATTENDANCE AND CONTROL OF WORKING TIME USING FACIAL BIOMETRIC IDENTIFICATION

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Id-Time —

A software product that provides simple and reliable working time attendance by identifying faces using tablets, IP cameras or terminals

Id-Time provides reliable attendance of working time using biometric facial recognition, and allows control of entry and exit not only in the company, but also in individual work areas. The solution can also enrich the capabilities of classical time attendance systems (TAS) with biometric face recognition and increase their credibility

- Increase the effectiveness of the company by increasing the level of discipline
- Improve the credibility of working time attendance
- Ensure control of movement around the premises
- Find out when, how often and for how long employees leave working areas or premises

The aims of our clients

Reliable control of working time

1 **Classic time attendance systems with physical media do not provide reliable information and are easily compromised**

Solution

For enterprises where there is a need to record reliable information about employees entry and exit into and out of the premises or work areas, the solution will allow the deployment of a simple system for recording the facts of passage using tablets

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The aims of our clients

Attendance control at facilities with a free access

2 **At enterprises with free access that do not have barriers and turnstiles, time recording is difficult or impossible**

Solution

The solution allows facial biometric work time attendance using IP cameras, which are installed at the entrance and exit

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The aims of our clients

Identification of employees at the entrance or on movement around the premises

3 **Classic TAS systems cannot register the movement of employees and their presence outside the work area**

Solution

The solution can additionally be connected to cameras installed on the premises in the control areas

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Biometrics extends the capabilities of classic time attendance systems

BIOMETRICS

The solution identifies an employee by face at the moment of entering and leaving on a tablet with the installed Id-Time APP

The solution identifies the employee by surveillance cameras at the entrance area and the direction of movement

The solution will allow reliable monitoring not only of entry and exit from the premises, but also of any location using IP cameras
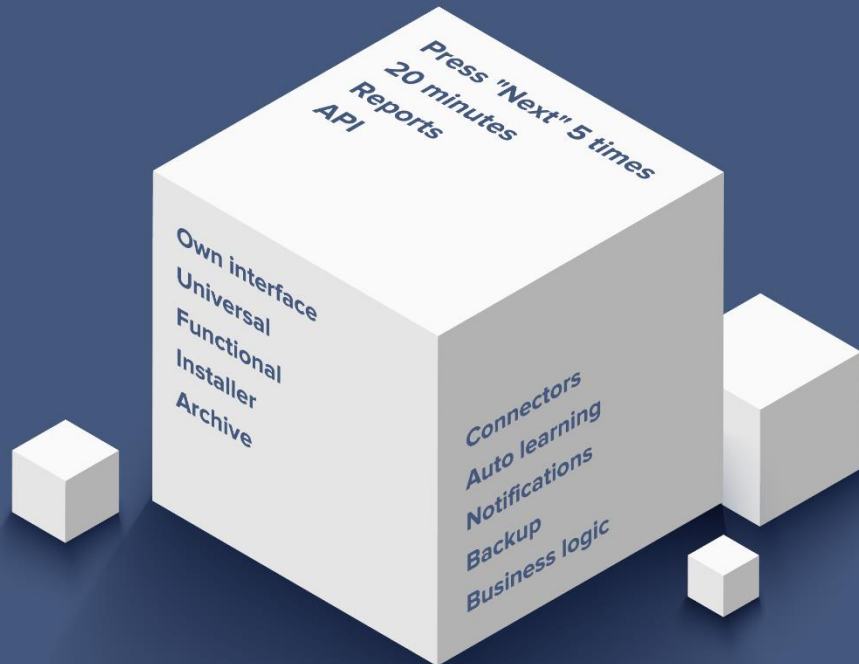
RESULT

Time attendance systems (TAS) will **obtain reliable data** on the entry and exit details by face of each employee. The system cannot be compromised by a sheet or photo on the phone

Physical barriers such as turnstiles will not be required. The solution will automatically identify each employee and send the appropriate notification

TAS will get **reliable additional information** about an employee's presence outside the workplace

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What does the Id-Time user get?

Press "Next" 5 times
20 minutes
Reports
API

Own interface
Universal
Functional
Installer
Archive

Connectors
Auto learning
Notifications
Backup
Business logic

01

A RELIABLE ATTENDANCE
of working time "in faces"

02

20 MIN takes the process of
setting up the Id-Time solution

03

EASY LOADING of person
databases for a quick start

04

RELIABLE REPORTS on attendance
and violations

05

SIMPLE INTEGRATION with client
TAS systems or sending incidents

06

A RELIABLE release policy
and support system

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Benefits of the solution

- **RELIABLE REPORTS ON ATTENDANCE AND VIOLATIONS**

  The solution allows operators and administrators to generate reports in the interface, upload them to XLSX or CSV formats, and send them via email or to external systems

  The solution allows you to generate the following reports:

  - General Attendance Report
  - Report on delays
  - Report on exceeding the number of entry's/exits
  - Report on total absence for the day
  - Report on attempts to compromise the system

  Reports can be generated for all employees, or for a specific person, or by specially configured filter parameters

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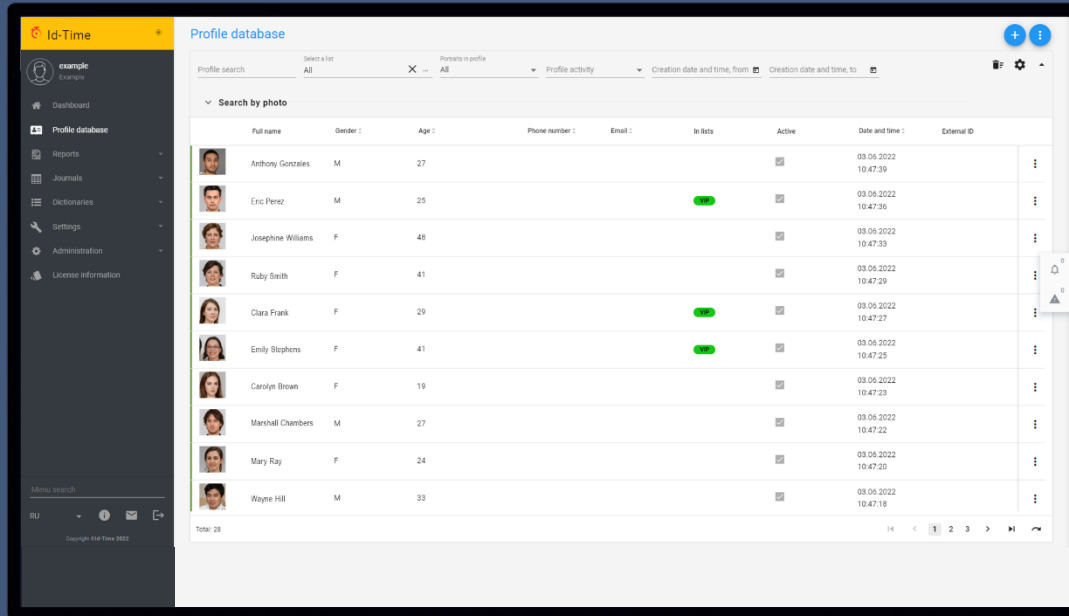# Benefits of the solution

- **SIMPLE INSTALLATION**

  The solution installer provides a step-by-step and clear installation process. To deploy the solution, the customer does not need to have deep specialist knowledge and skills, just follow the simple step-by-step installation procedure described in the administration instructions

- **SIMPLE TOOLS OF IMPORTING AND EXPORTING DATA FOR A QUICK START**

  The solution provides clear tools for importing photos and employee information to batch-fill the profile database and get the system up and running quickly, as well as exporting profile data for use in other systems

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Benefits of the solution

- **INTEGRATION WITH EXTERNAL SYSTEMS VIA CSV FILE**

  For easy integration of the solution with personnel accounting systems, a special data exchange mechanism using a file (CSV) has been implemented, which allows the required fields to be synchronised and provides easy manual or scheduled integration with third-party systems

- **ADJUSTABLE USER FIELDS**

  The solution provides the possibility of setting up user fields required to obtain data from a third-party system. The administrator can define the names of the fields himself and load the data from a file created by an external system

- **SIMPLE API FOR INTEGRATION**

  For integration with third-party ERP, CRM, WFM, TAS and other systems, a documented and detailed API for exchanging the necessary data is available

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Benefits of the solution

- **RELIABLE ATTENDANCE OF ENTRY/EXIT**

  Differing from RFID cards, the solution operates with a biometric identifier of an employee or visitor that is unique and inalienable, impossible to lose or transfer to another person. Identifying employees or visitors of an organization by facial image personalizes the attendance, avoids the marking of other people's cards, ensuring increased efficiency of time attendance systems

- **AUTOMATIC CONTROL OF LIVENESS**

  During facial recognition, the solution will automatically check whether the person in front of the camera is alive or an image. Liveness verification, prevents the compromise of the system, by showing the system a photo on paper and a photo or video on an electronic device (smartphone, tablet)

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Benefits of the solution
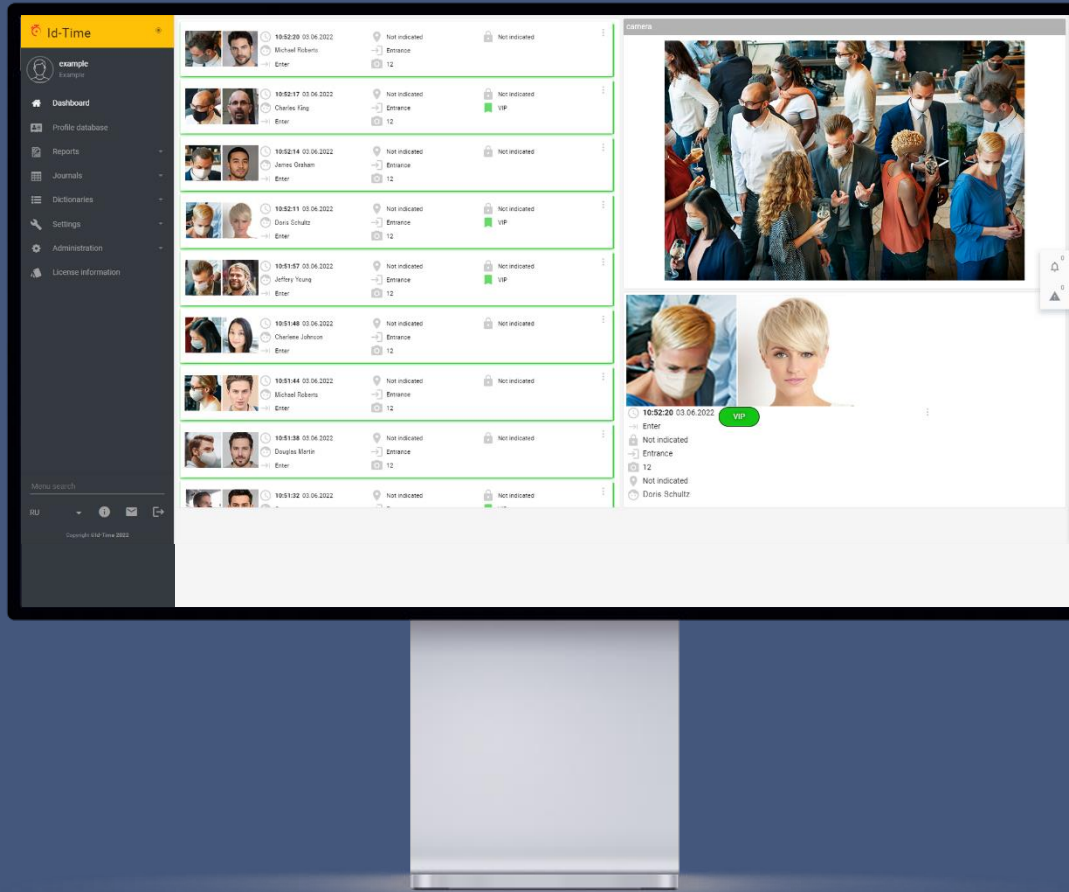
- **BODY TEMPERATURE AND MASK CONTROL**

  The solution works with terminals equipped with human body temperature monitoring. Each time an employee passes the terminal, their body temperature and the presence of a mask are automatically registered in the log. If necessary, the operator can set up rules for notification of these parameters to external systems. The operator can receive notifications and generate personalized reports of detected violations

- **FACE DETECTION OF PEOPLE IN MASKS**

  The solution provides face recognition in a mask with high accuracy due to continuously improving algorithms

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Benefits of the solution

- **FLEXIBLE NOTIFICATION SYSTEM**

  In the working process, the solution generates various notifications of entry/exit events, compromise attempts, security violations, locations and others. The integrated notification system allows the distribution of messages to operators by groups and personally for precise and rapid response to incidents. For delivery can be used E-Mail, SMS, operator window notifications

- **AUTOMATIC CONTROL OF LIVENESS**

  During the identification and verification process, the solution obtains the necessary set of images from the camera to provide Liveness control and prevents compromise of the system, by showing the system the photos on paper or on electronic devices (smartphone, tablet)

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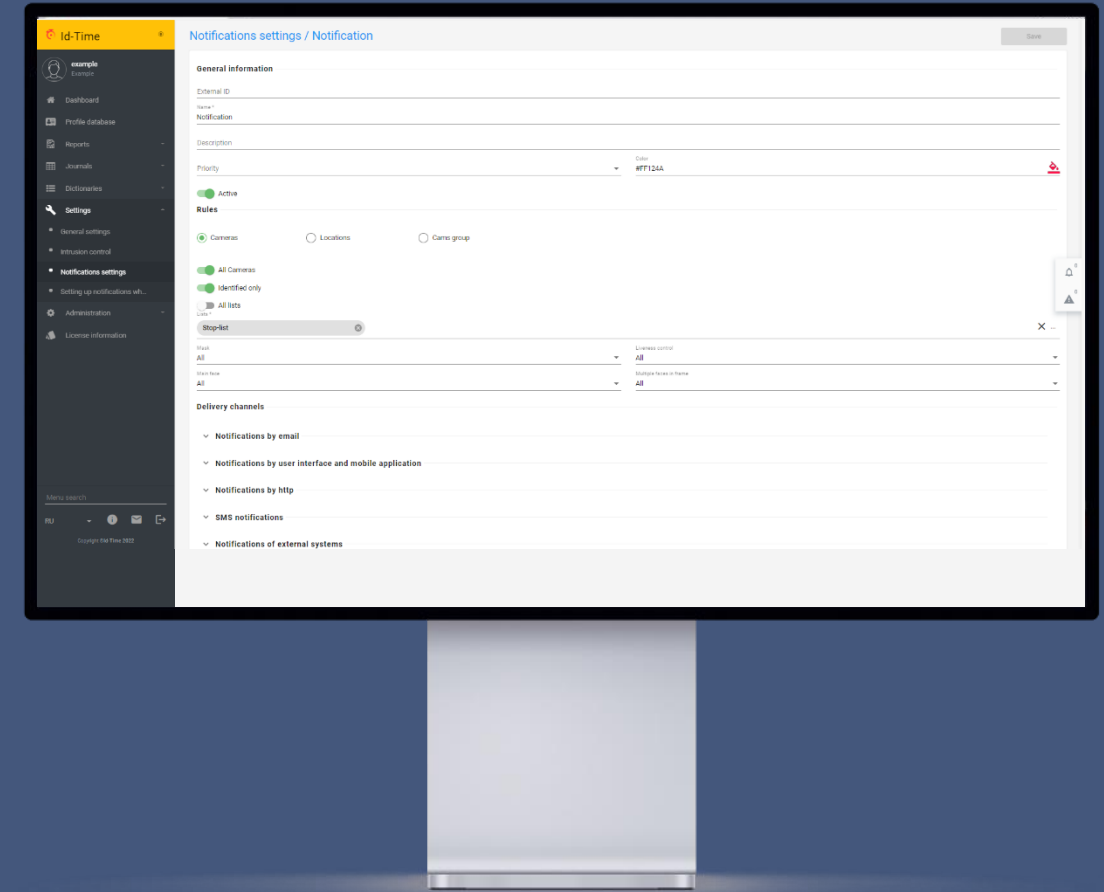
Benefits of the solution

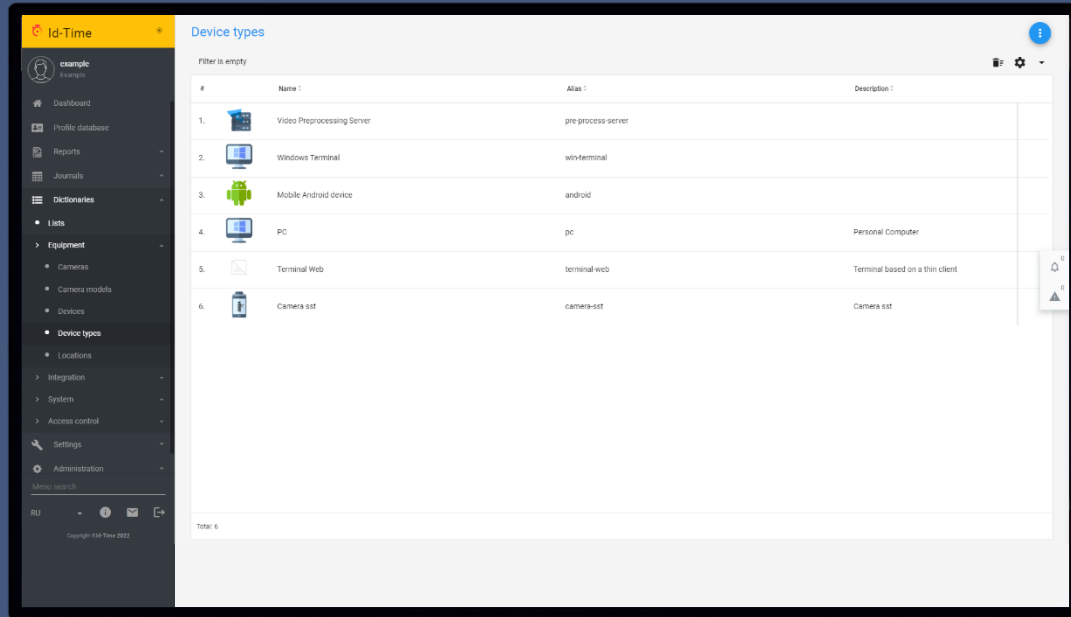- **A WIDE RANGE OF TABLETS AND TERMINALS**

  Thanks to the universal application, the solution allows the use of any tablets or terminals that comply with the technical requirements. A specially developed application for Android devices will ensure easy installation and stable operation of the solution. Using tablets will significantly reduce the total cost of owning

- **CENTRALISED CONFIGURATION OF PARAMETERS FOR THE MOBILE APP**

  All basic settings for the pass point are available in a centralized change mode using the solution's graphical interface. Settings can be applied to a single device or copied from a single interface for automatic application to all tablets and terminals in the network

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Benefits of the solution

- **REAL-TIME MONITORING OF TABLET AND TERMINAL FUNCTIONALITY**

  The solution provides real-time monitoring of the availability and performance of connected terminals, tablets and cameras for rapid recovery of equipment in the case of failures. Operators have access to a viewer with easy-to-read diagrams and charts

- **TABLET OPERATION IN OFFLINE MODE**

  The application installed on the tablet operates with biometric templates that do not require a lot of hardware resources, biometric templates are stored on the tablet, and in case of loss of communication, the system operation will not be stopped. In this case, all the information about the entry and exit will be saved and delivered to the server after the restoration of communication

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Technological advantages

SIMPLE INSTALLATION of the solution

CONVENIENT TOOLS for data import and export

SIMPLE INTEGRATION with CSV import tools

Adjustable USER FIELDS

RELIABLE reports on attendance and violations

A FLEXIBLE notification system

A WIDE SELECTION of tablets and terminals

CENTRALISED ADJUSTMENT of tablets and terminals

INFORMATION SECURITY of identification devices

Automatic control **LIVENESS**

FACE RECOGNITION in mask, temperature control

Simple API for integrations
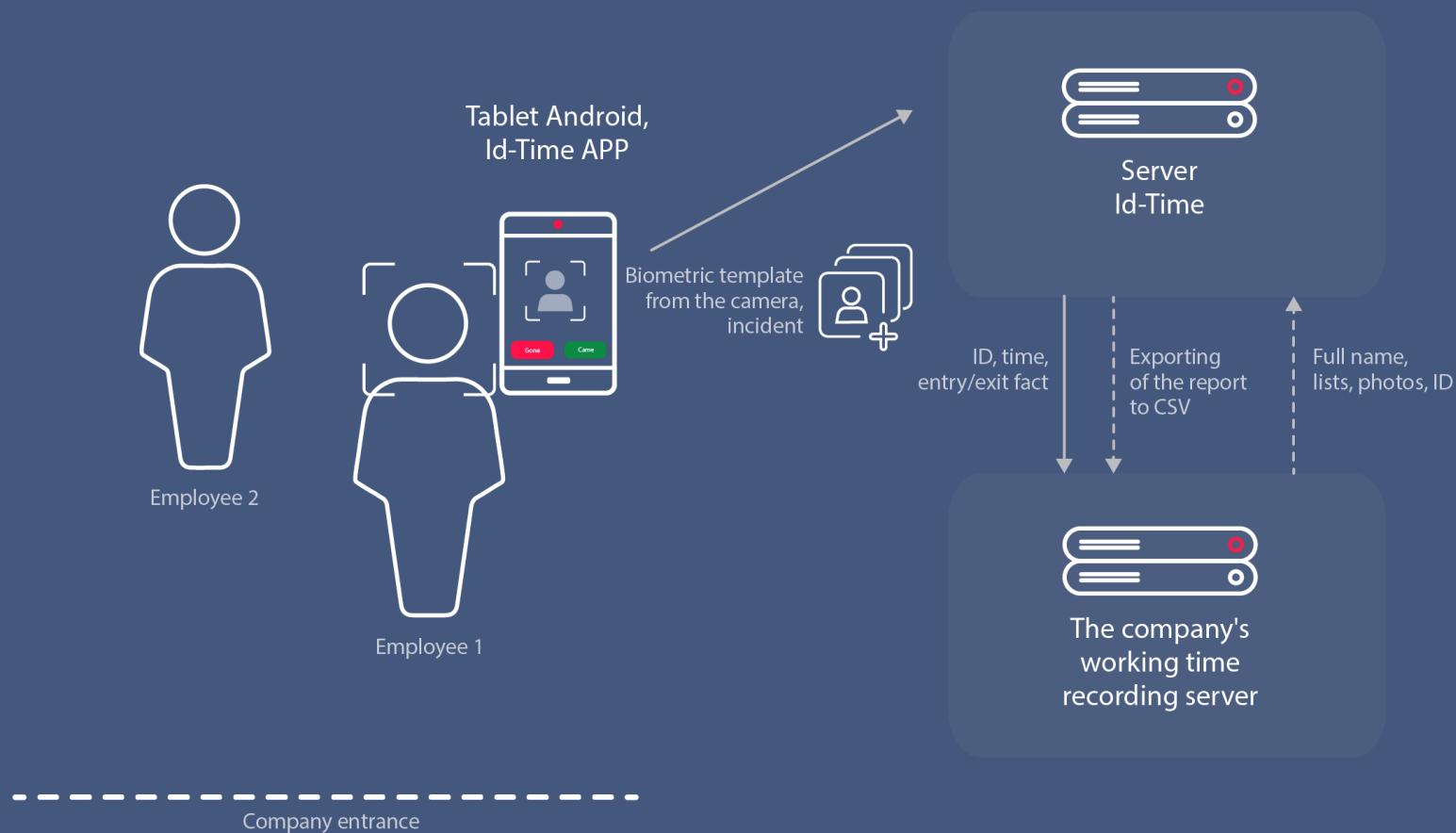
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Precise time attendance on tablets

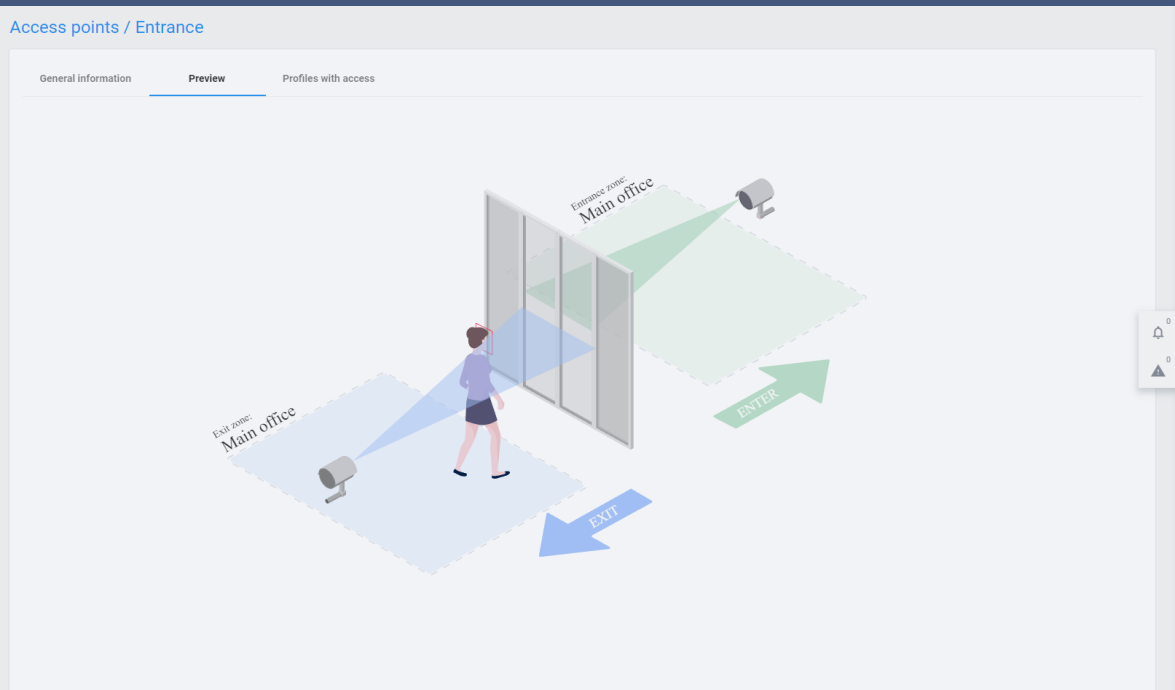**Id-Time permits the use of simple tablets for time attandance by installing the Id-Time App**

- The Id-Time APP is installed on any Android tablet.

- Employees have to "check in" in front of the tablet when they enter or exit.

- The solution identifies the employee and records the fact and direction of the passage in the logbook.

- The access data can be immediately transferred to company time attendance systems or other systems or uploaded to CSV format.
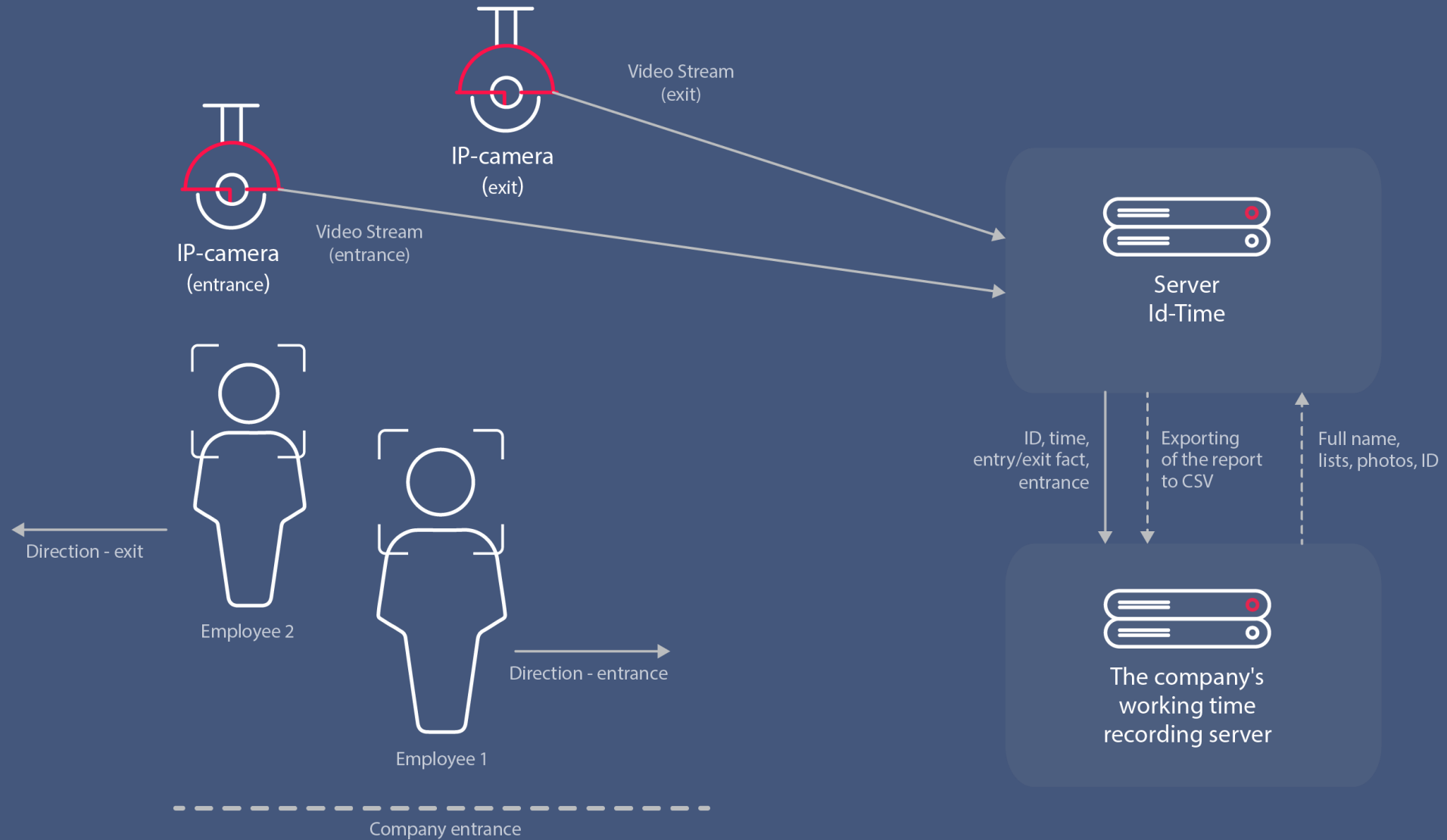

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Time attendance scheme on tablets

Tablet Android,
Id-Time APP

Biometric template
from the camera,
incident

Server
Id-Time

Employee 2

Employee 1

Gone   Came

ID, time,
entry/exit fact

Exporting
of the report
to CSV

Full name,
lists, photos, ID

The company's
working time
recording server

Company entrance

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Time attendance with free access

Id-Time solution provides the use of biometrics to extend the capabilities of classic time attendance systems and save the benefits of barrier-free access through the use of IP cameras

- The cameras at the entrance and exit capture arrivals and departures, as well as times when staff is out for lunch, a smoke break or a personal errand

- Detailed information is available in reports and can be uploaded to third-party customer information systems

- This implementation allows free access to the area
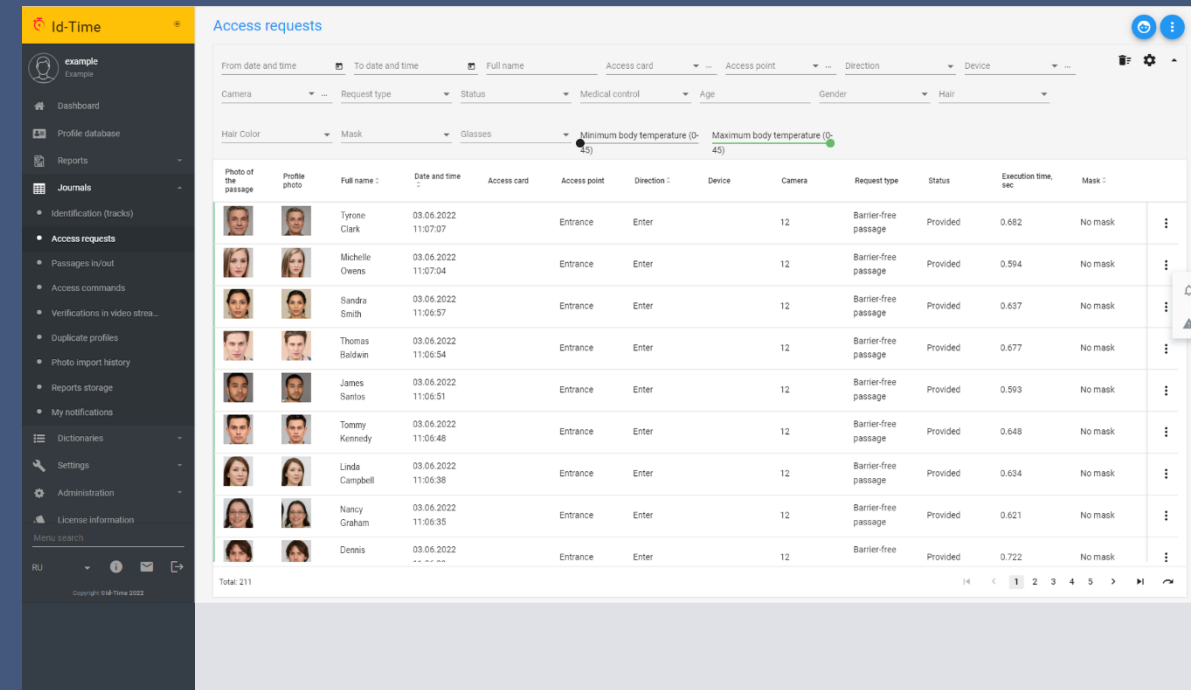
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Time attendance scheme with free access

IP-camera
(exit)

Video Stream
(exit)

IP-camera
(entrance)

Video Stream
(entrance)

Server
Id-Time

Employee 2

Direction - exit

Employee 1

Direction - entrance

Company entrance

ID, time,
entry/exit fact,
entrance

Exporting
of the report
to CSV

Full name,
lists, photos, ID

The company's
working time
recording server

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Control of movements outside the workplace

If the solution is additionally connected to cameras installed within the company premises in control areas (cafeteria passages, smoking area, etc.), the solution will automatically record the facts and direction of employee passage at such points.

An HR officer, security officer or supervisor can see at any time where an employee has gone and whether they are at their workplace now.
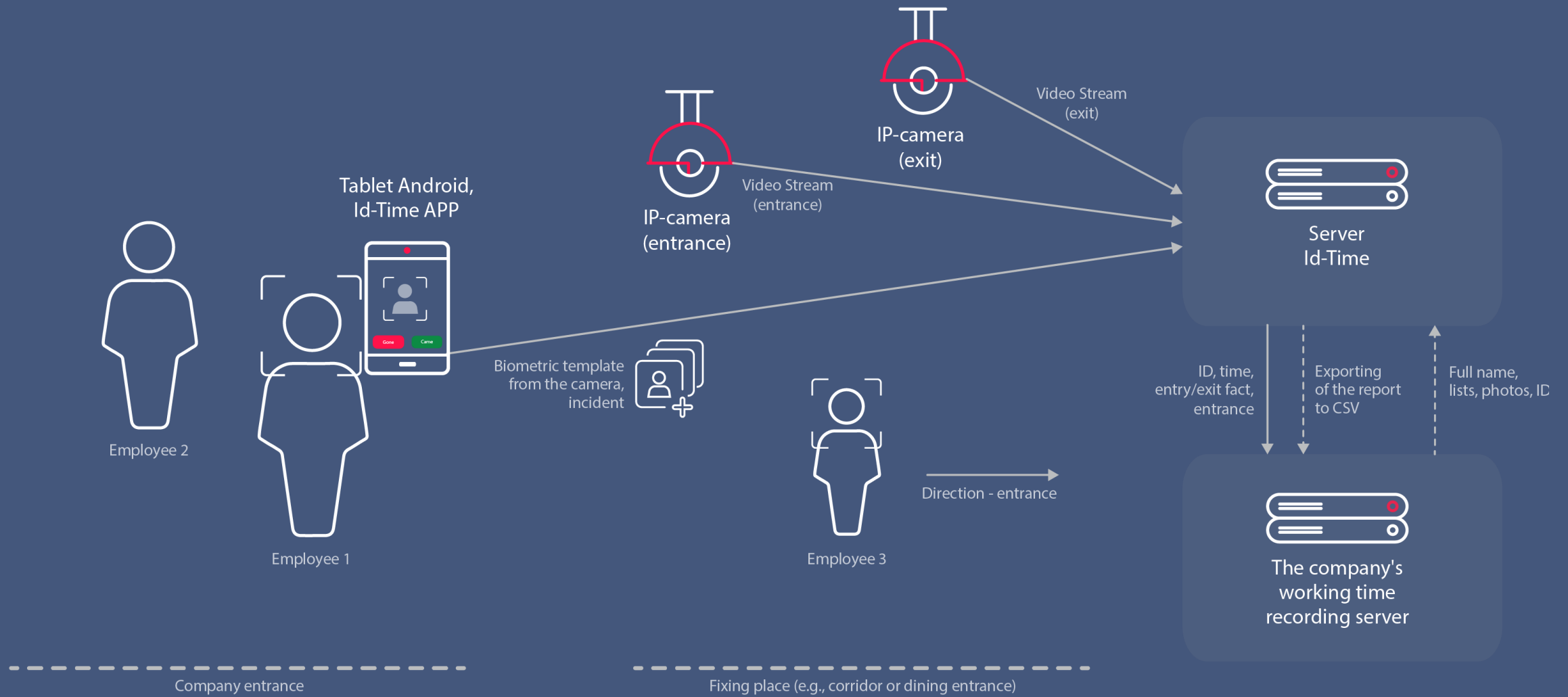
- When an employee comes into the camera's line of sight at a point of control, the video data about the employee goes into the solution.

- The solution identifies employees from video streams received from surveillance cameras and records the time and place.

- This will allow obtaining detailed information on movements around the premises, including the recording of outside movements if the person has not left the entrance hall.
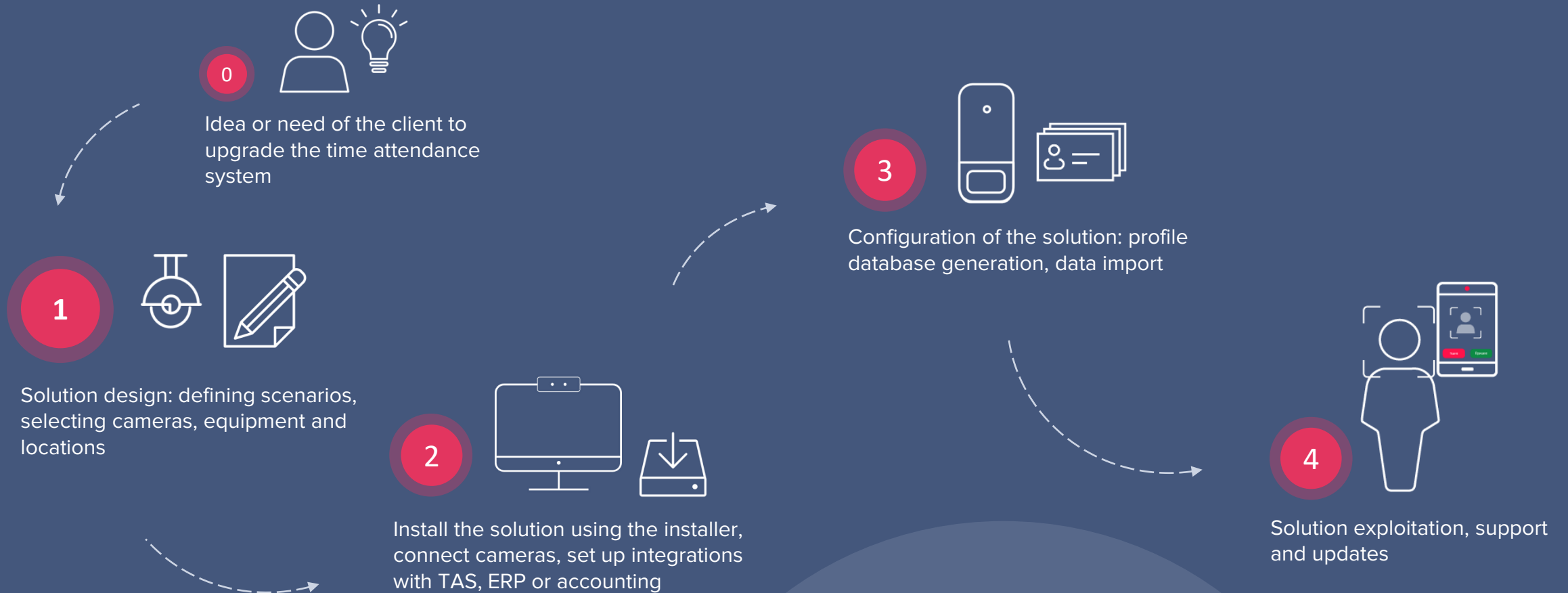

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Scheme of controlling movements outside the workplace

Tablet Android,
Id-Time APP

Gone   Came

Employee 2

Employee 1

Biometric template
from the camera,
incident

IP-camera
(entrance)

Video Stream
(entrance)

IP-camera
(exit)

Video Stream
(exit)

Employee 3

Direction - entrance

Company entrance

Fixing place (e.g., corridor or dining entrance)

Server
Id-Time

ID, time,
entry/exit fact,
entrance

Exporting
of the report
to CSV

Full name,
lists, photos, ID

The company's
working time
recording server

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The cycle of a successful project

0 Idea or need of the client to upgrade the time attendance system

1 Solution design: defining scenarios, selecting cameras, equipment and locations

2 Install the solution using the installer, connect cameras, set up integrations with TAS, ERP or accounting

3 Configuration of the solution: profile database generation, data import

4 Solution exploitation, support and updates

20 minutes
Takes the installation process of
Id-Time

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Demo licence

Free
access

3 sources video,
1000 profiles

Time
3 months

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Licensing Policy

Profile Database

License for the system core
with a profile database

Channels for getting biometric templates

License for video streams from cameras
connected to the solution

Technical Support

Certificate for technical support
and updates

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About RecFaces company

Pool
Of ready-made
biometric products

Among
the first
Developed biometric software
products in the world

More than 200
Installations around
the world

International projects
The airport in Kenya, Shopping centers in
Brazil and Peru, Stadium in Australia, Metro
in Thailand, and many others

Team of experts
Developers, technical engineers and
analysts with more than 15 years of
experience in IT

Integration with
leading vendors

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