ID-CHECK

BIOMETRIC SOFTWARE PRODUCT TO VERIFY
THE IDENTITY OF THE PERSON

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Id-Check —

universal solution with flexible set of rules for biometric verification of a person's identity by photo for credit institutions, border control services or owners of distant service channels

The main task of Id-Check is to ensure quick verification and confirmation of the customer's identity

Solution can be used

- As **a stand-alone** product
- Jointly with customer's **information systems**
- Jointly with **client mobile application** servers

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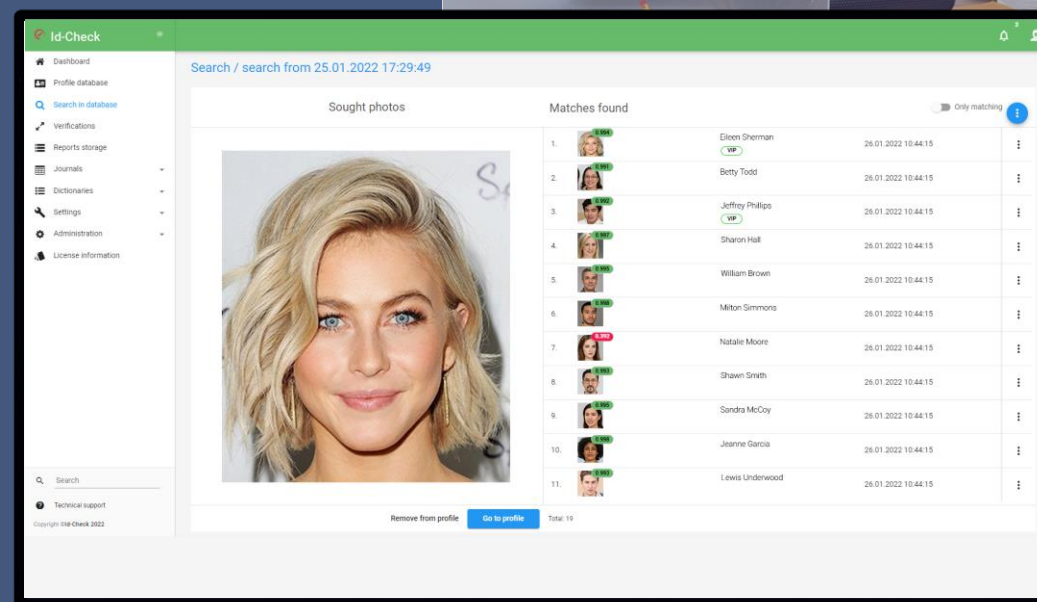
Full-featured interface

Thoroughly organized interface provides fast and convenient user access to all the functions and capabilities of the solution, from operational mode to fine-tuning technological settings, providing high efficiency of using new biometric capabilities

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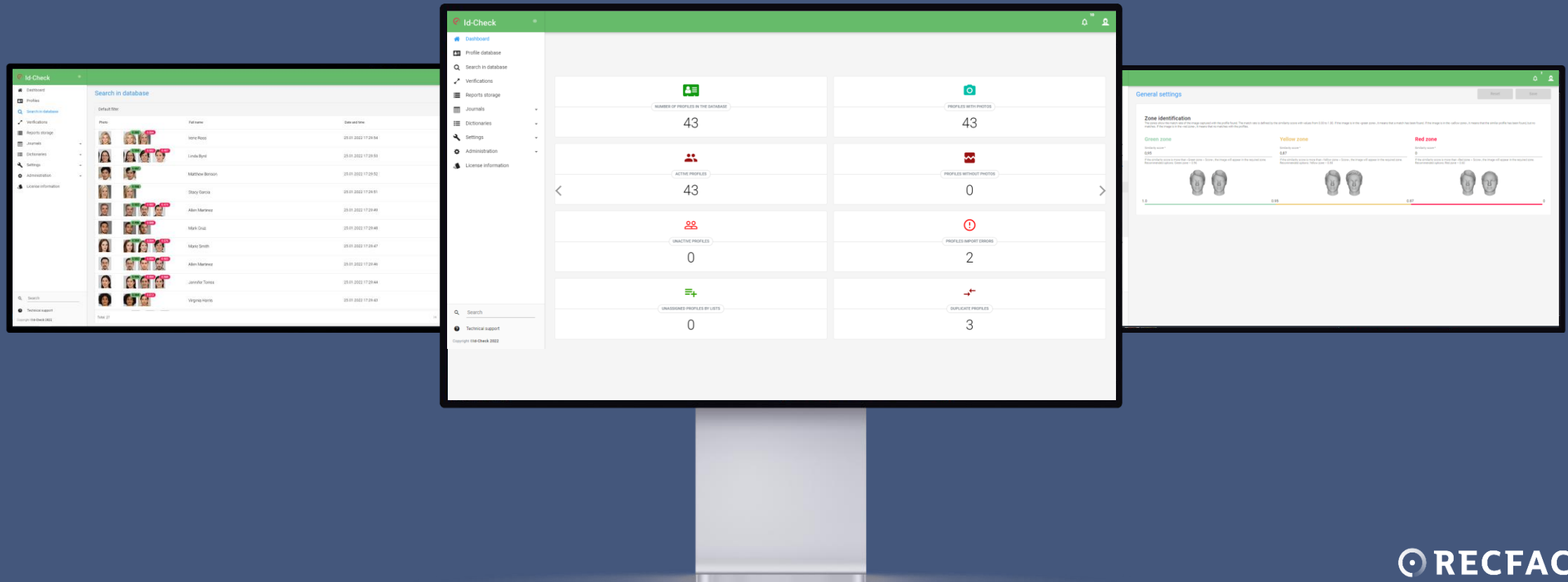
Problems of our customers

Identification and verification of a person

1   Loss of employee's concentration

Solution

Automatic biometric test scenarios allow you to verify the client accurately and quickly by face photo, and it is not affected by the human factor

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Problems of our customers

Identification and verification of a person

2 Human factor
(conspiracy with operator)

Solution

The solution **automatically verifies** the identity of the person by the image of the person, both during personal contact and using remote service channels
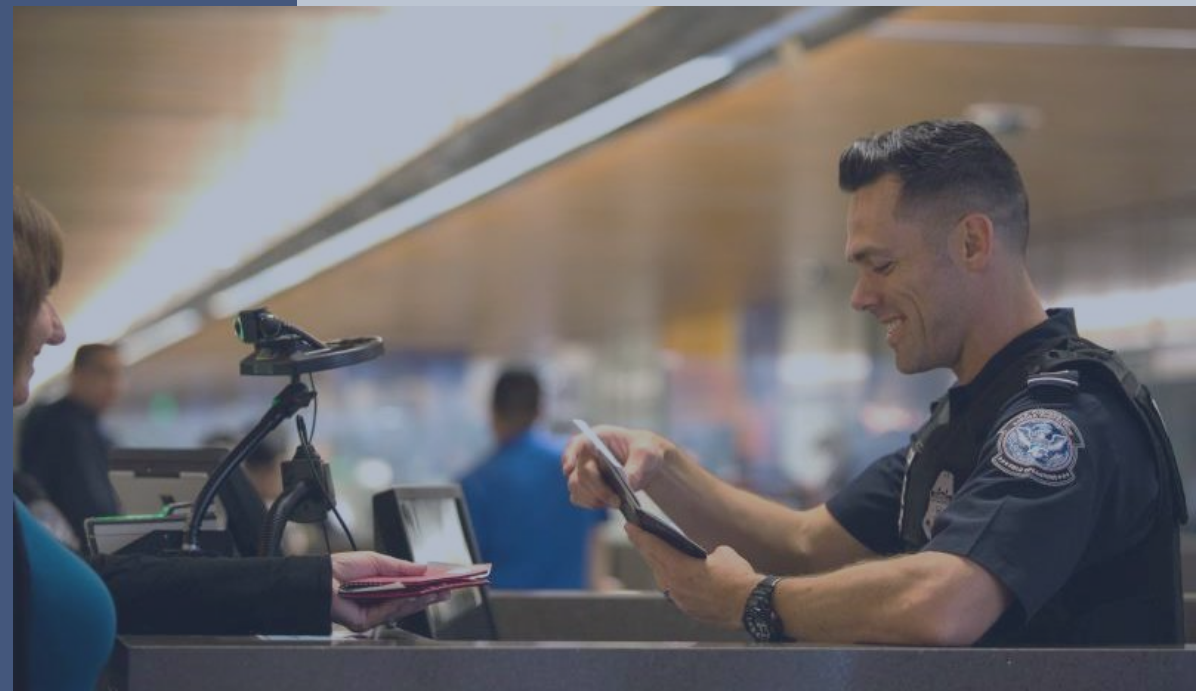

75%

Male. 28-35

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Problems of our customers

Identification and verification of a person

3 Service
rate

Solution

Biometric checks take no more than 1 minute,
significantly reduce the service time of one
client

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What typical problems can Id-Check solve?

BIOMETRICS

Quick and reliable verification of the identity using person's face from the camera, photos or passport scan

Automatic notification of detected violations and attempts to deceive the verification system

Automatic Liveness control for protection against fraud, including fully remote maintenance
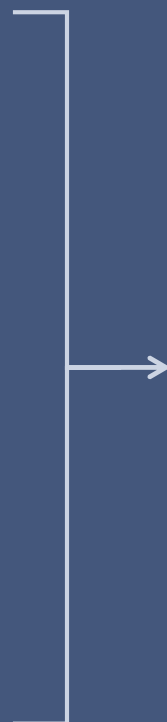
RESULT

The solution will fulfill a combination of checks in seconds, increasing the speed of customer service

The solution will automatically notify the operator or security service when attempts at fraud or unwanted persons are detected

The solution will mark the verification as unsuccessful for any attempt to replace a real person with a photo on paper or electronic device

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What does the Id-Check user get?

Press "Next" 5 times
20 minutes
Reports
API

Own interface
Universal
Functional
Installer
Archive

Connectors
Auto learning
Notifications
Backup
Business logic

01

It takes **20 MINUTES** to install the Id-Check

02

QUICK PROFILE BASE FILLING TOOLS to put the solution into operation

03

NATIVE INTERFACES for integration into application software or mobile applications

04

CONVENIENT API for integration and embedding into mobile applications

05

1 CHECK saves up to 5 minutes of operator's time

06

5 BASIC biometric verifications, as well as their possible combinations for reliable identification

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Ready-made set of identification and verification scenarios

Verification of the applicant's photo

Performing identification of a person by the image of a face from a copy of a scanned document

Search for the applicant by photo

Identifying a person from a webcam image

Search for the applicant by photo from the document

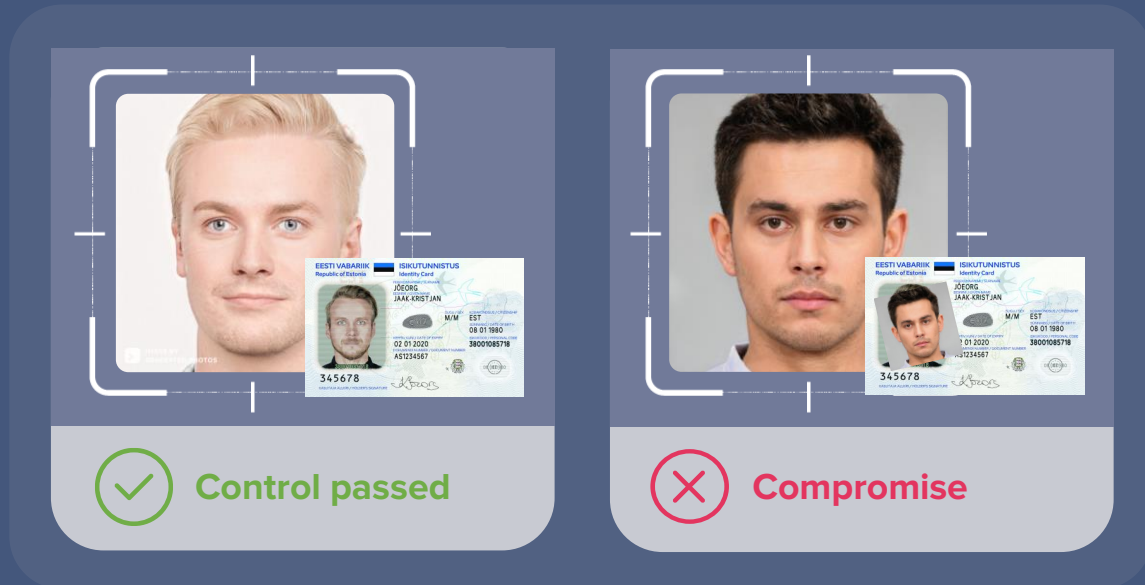**Performing verification** of the correspondence of a photo of a person obtained from a webcam with a previously registered photo image

Control of compromise by a series of photos

The solution automatically performs **Liveness control** by a series of shots from the client device

Control of duplicate profiles

Automatic detection of possible duplication of profiles and notification of operators and external systems

Full availability via API

A detailed documented API is provided to integrate facial biometrics with the customer's IS

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Verification Scenarios

Control passed
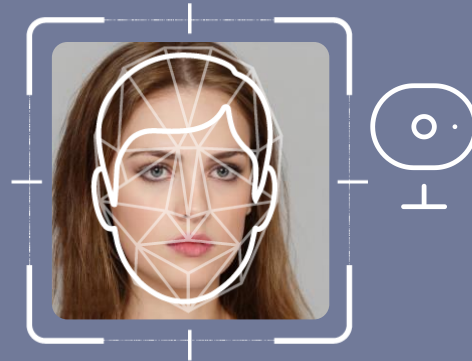
Compromise

Verification of the applicant's photo

Verification of a person using a face image and a copy of a scanned document
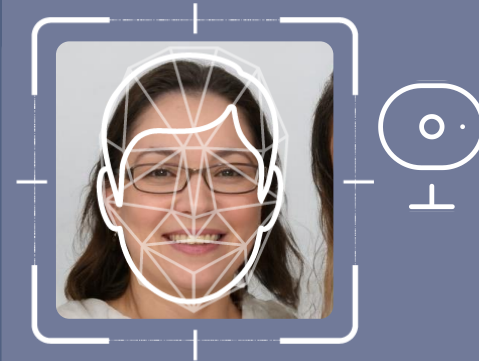
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Verification Scenarios

Search for the applicant by photo

Identification of a person by photo obtained from a webcam

Applicant found in database

Applicant is not found

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Verification Scenarios

Applicant found in database

Applicant is not found
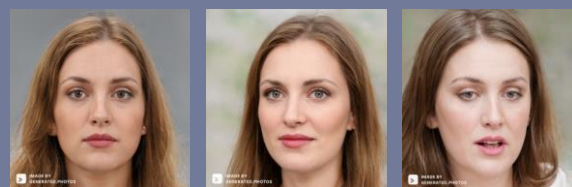
Search for the applicant by photo from the document

Performing verification of the correspondence of a photo of a person obtained from a webcam with a previously registered photo image

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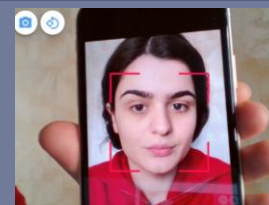
Verification Scenarios

Control of compromise by a series of photos

The solution automatically performs **Liveness control** by a series of shots from the client device
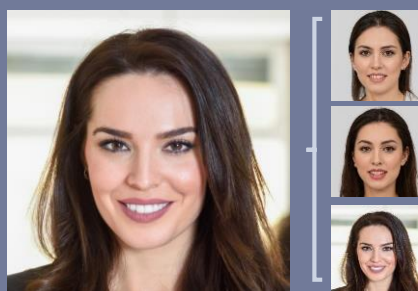

Control passed

Compromise

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Verification Scenarios

Unique Profile

Duplicate profile detected

Control of duplicate profiles

Automatic detection of possible duplication of profiles and notification of operators and external systems

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For credit institutions

The solution enriches the classic possibilities of the credit process with a ready-made set of biometric verifications that allow you to determine or confirm the identity of the borrower to prevent fraud

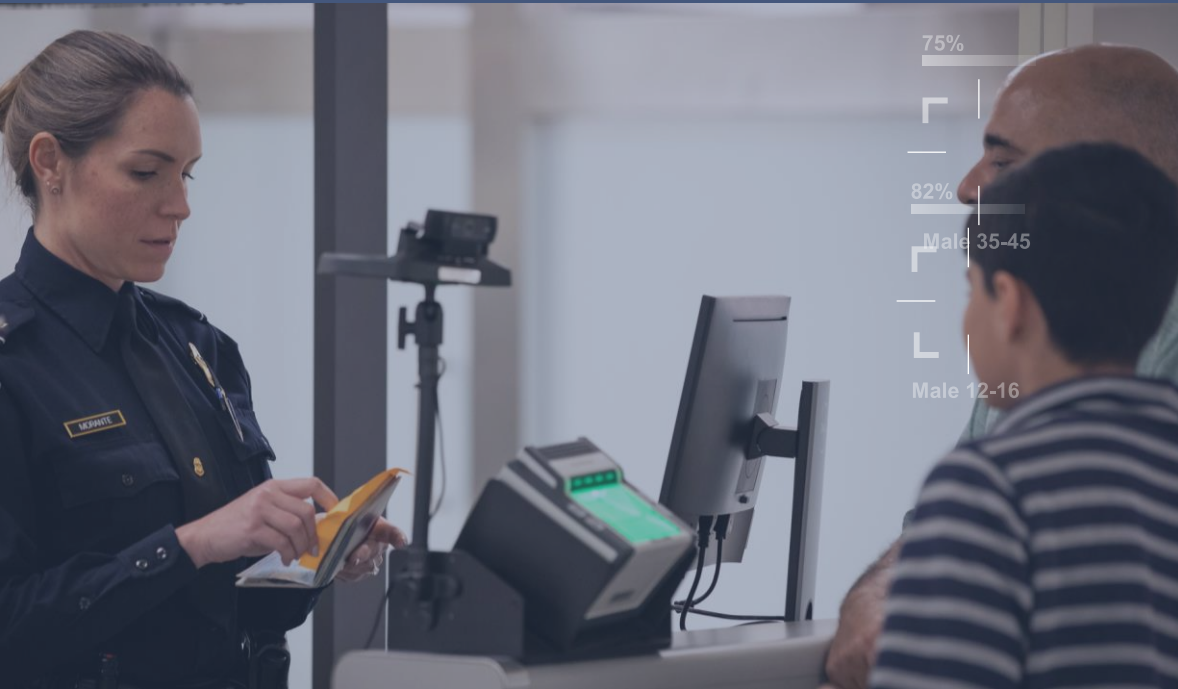The solution provides a ready-made set of tests to prevent misconduct and fraud in the credit process

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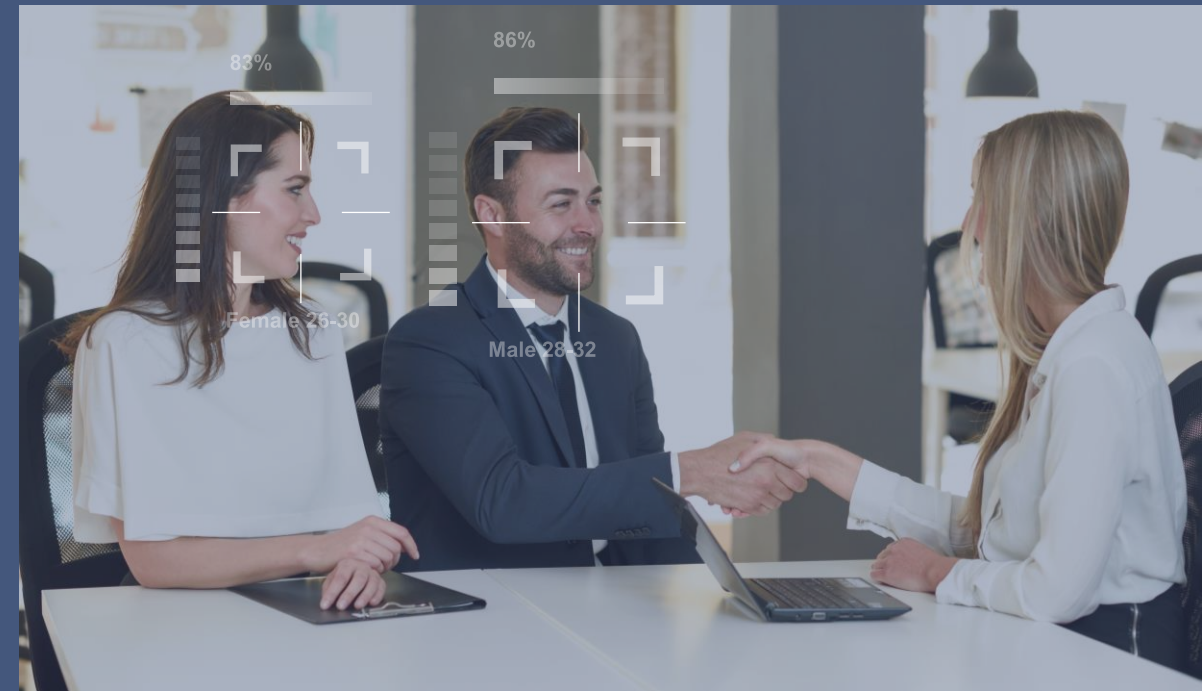
For credit institutions

Typical test verification:

- Verification of the received customer photo with the photo in the database;
- Verification of the client document photo with the photo of the document in the database;
- Search by customer photo to determine the presence in the lists (for example - stop list);
- Search by the customer's document photo in the lists;
- An attempt of a credit manager to make an application without the participation of a person;
- Search for previous applications of this person to the credit institution and by photo of the person and the document photo in retrospective applications to identify mismatches of the applicant's data

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For security and border control facilities

The solution improves the veracity of identity confirmation at sensitive facilities and in border control systems to ensure security

The solution provides a complete set of test scenarios to prevent unauthorized entry

Provided verifications increase speed and automate the process of identity confirmation when passing passport control

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# For security and border control facilities
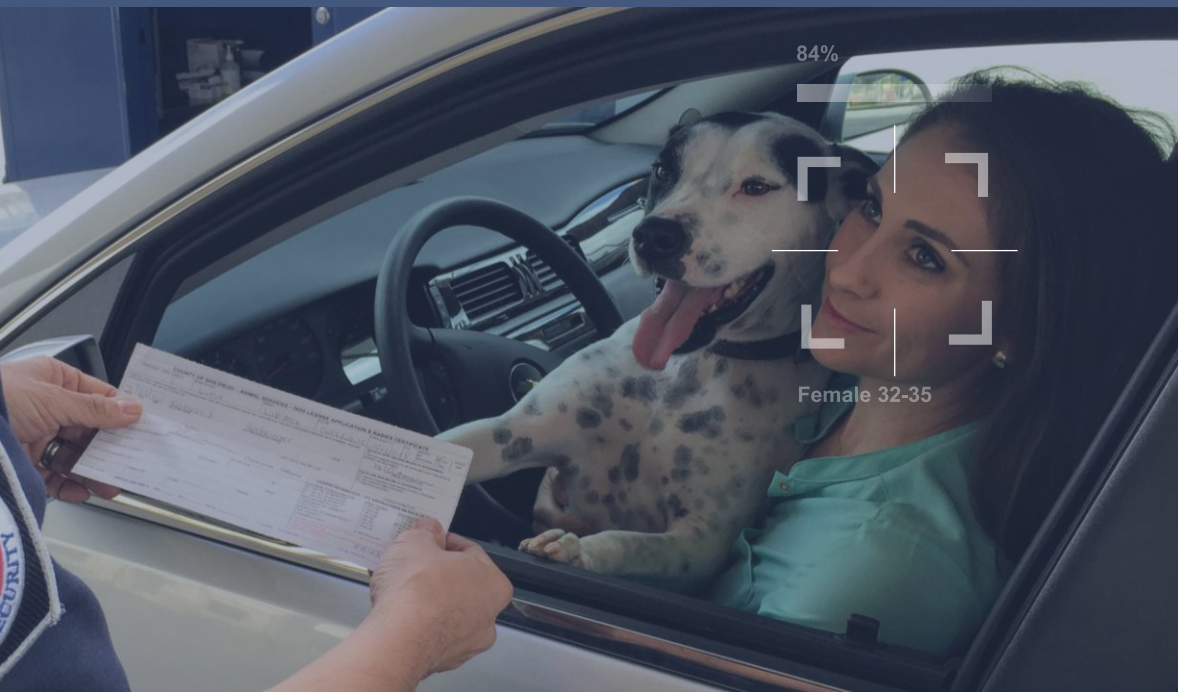
Test Scenarios:

- Verification of the received passenger photo with a photo in the base;
- Verification of the passenger document photo with the photo from the document in the database;
- Search by passenger photo to determine the presence in the lists (for example - search);
- Search by a photo from a person's document to determine the presence in the lists;
- Search for previous border crossings by this person by face photo and document photo in the archive to identify mismatches of data.

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For remote service channel owners

The solution extends the capabilities of mobile applications with face-to-face verification and identification to improve the convenience and security of remote service access

The client's mobile application, which has access to the camera on the smartphone, provides several images of the user, directing the received data to the solution. Built-in Compromise Control Libraries (Liveness) provide a high level of confidence, allowing for both additional biometric user authentication and user compliance control when using the application

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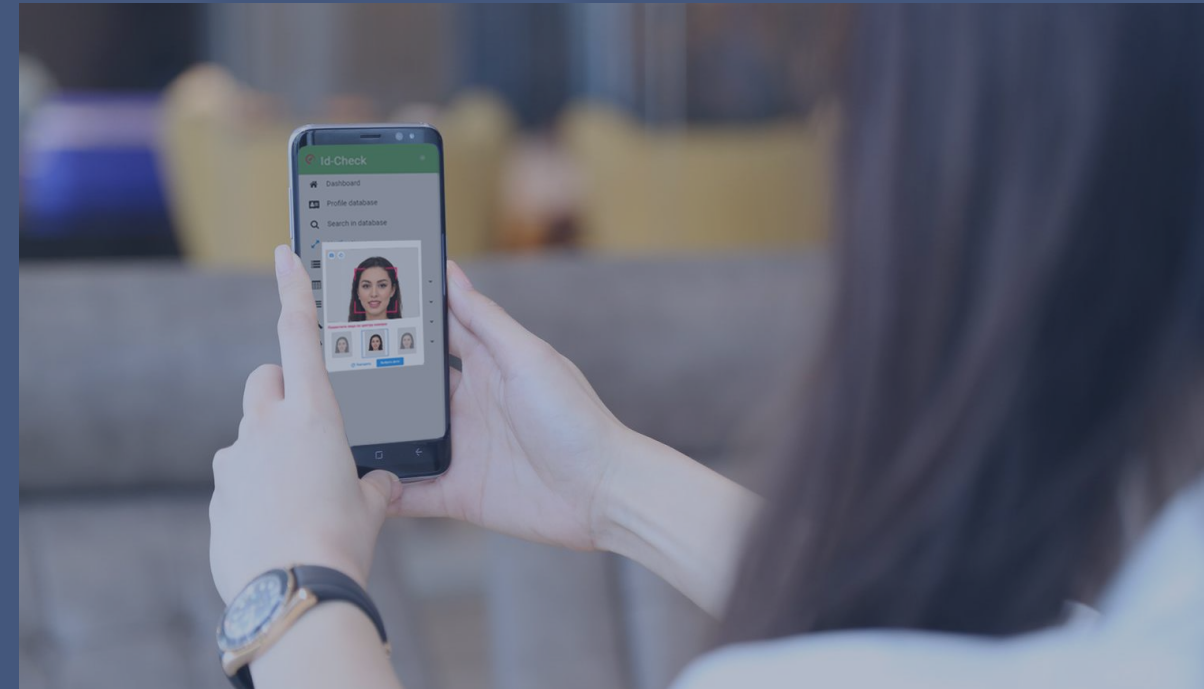
For remote service channel owners

The solution provides a ready-made set of verification scenarios to confirm the identity of the user when using a mobile application:

- Verification of the user by photo when starting the application;
- Periodic monitoring by photo, user substitution when using the application;
- Verification of the user by photo when confirming transactions;

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Advantages of the solution

- **EASY INSTALLATION**

  The solution installer provides a step-by-step and intuitive installation process. To deploy the solution, the customer's specialists do not need deep specialized knowledge and skills, it is enough to follow a simple step-by-step installation procedure described in the administration guide

- **FULL-FEATURED INTERFACE**

  The sophisticated interface provides quick and easy user access to all functions and features of the solution from operational mode to fine-tuning technology settings, ensuring high efficiency in the use of new biometric capabilities

**RECFACES**
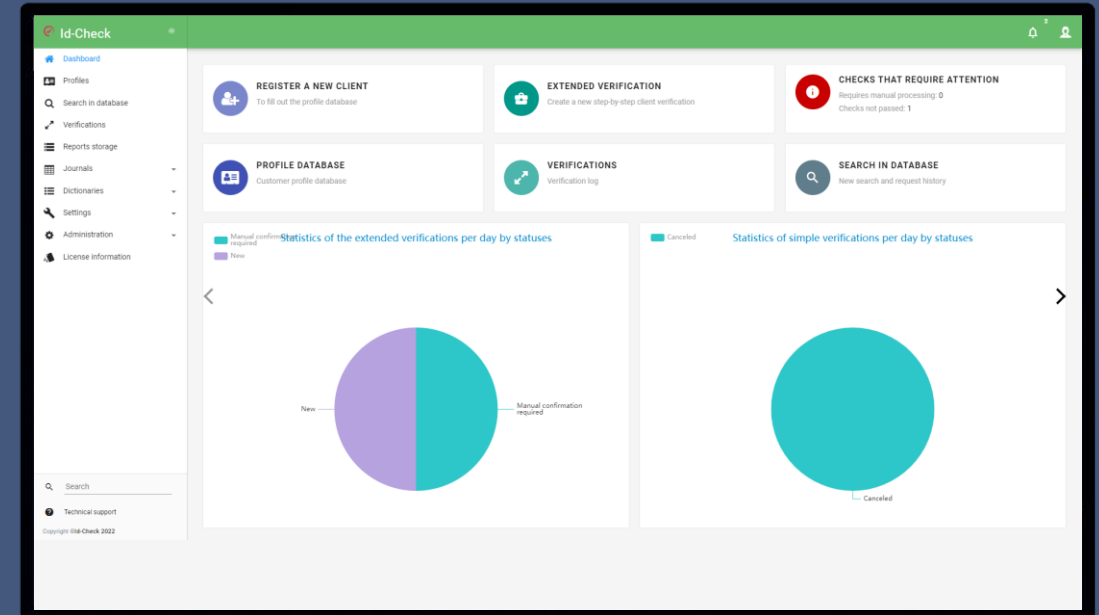
Advantages of the solution

- **NATIVE INTERFACES FOR INSTALLATION**

  The solution with a smart interface is based on the web technologies, which allows you to integrate individual Id-Check windows into the interfaces of the organization's software or mobile applications without programming
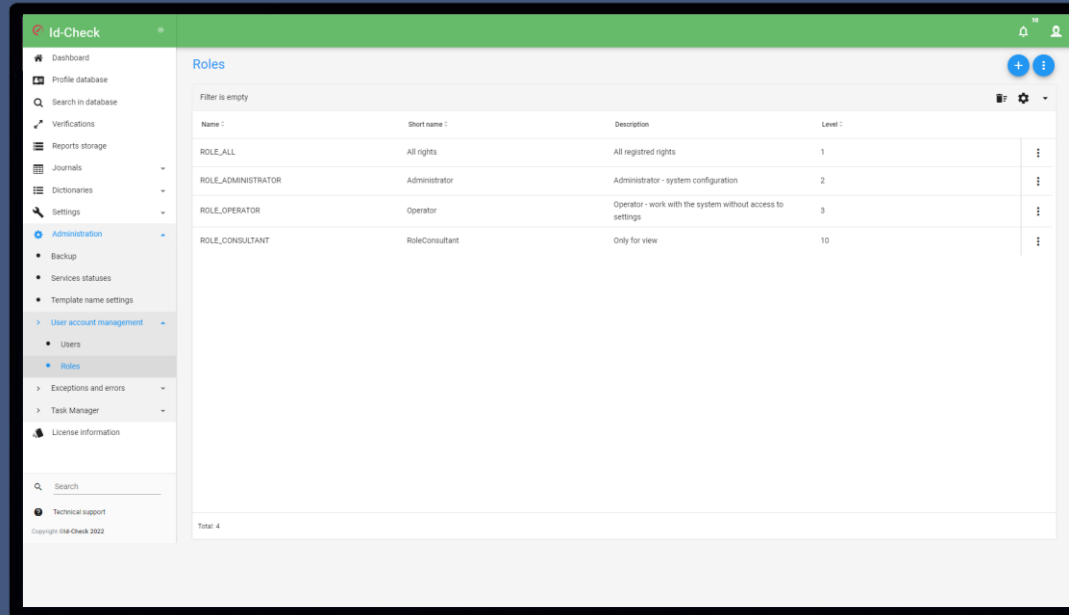
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Advantages of the solution

- **DATA IMPORT AND EXPORT TOOLS**

  The solution provides intuitive tools for importing photos and information about people to package the profile database and quickly put the system into operation, as well as exporting profile data for use in other systems

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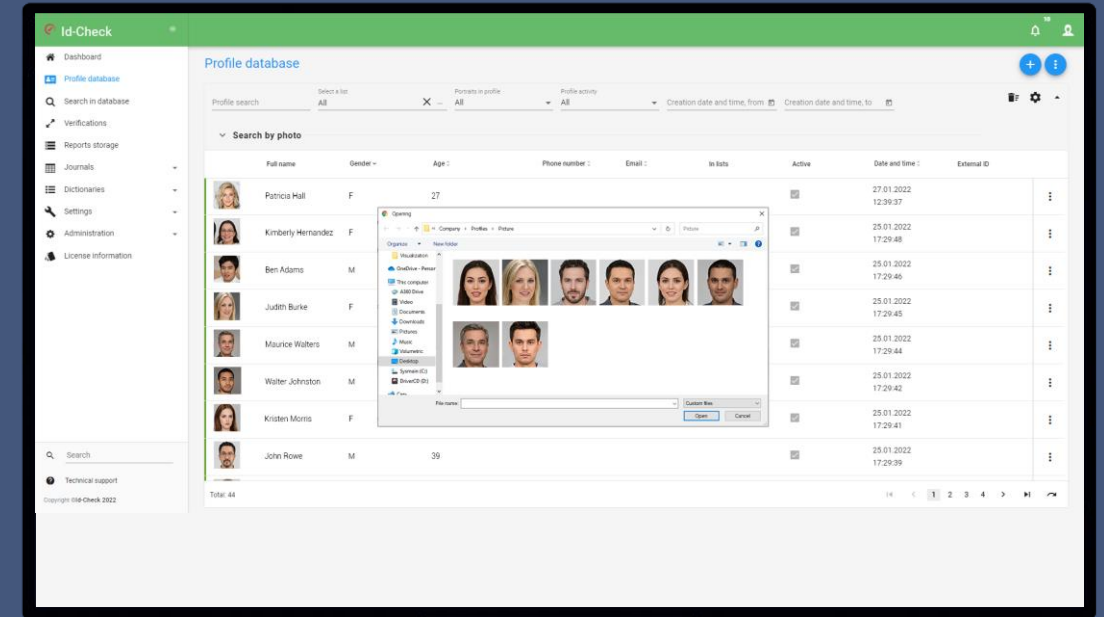
Advantages of the solution

- **ROLE MODEL**

  The presence of a role model allows you to configure flexibly access rights to various objects and functions in the solution in accordance with existing security policies

- **FLEXIBLE NOTIFICATION SYSTEM**

  Depending on the role model, the event notification system can be flexibly configured for the fast response to security incidents.

  The solution provides notifications about identification and verification events, membership in a particular list, including stop lists, verification statuses, attempts to compromise and other events and their combinations

  Notification delivery channels are pop-up messages at the operator's workplace, sending e-mail and notifications to external systems via HTTPS

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Advantages of the solution

- **CONVENIENT API FOR INTEGRATION**

  Extensively documented API is available for integration with third-party systems and the necessary data exchange

- **COMPLETE INTEGRATIONS WITH PASSPORT RECOGNITION SYSTEMS**

  The solution includes ready-made modules for seamless integration with document recognition systems and automatically takes the client's textual information from the scanned copy of the ID card, reducing the chance of operator error when entering manually

Regula
forensic science systems

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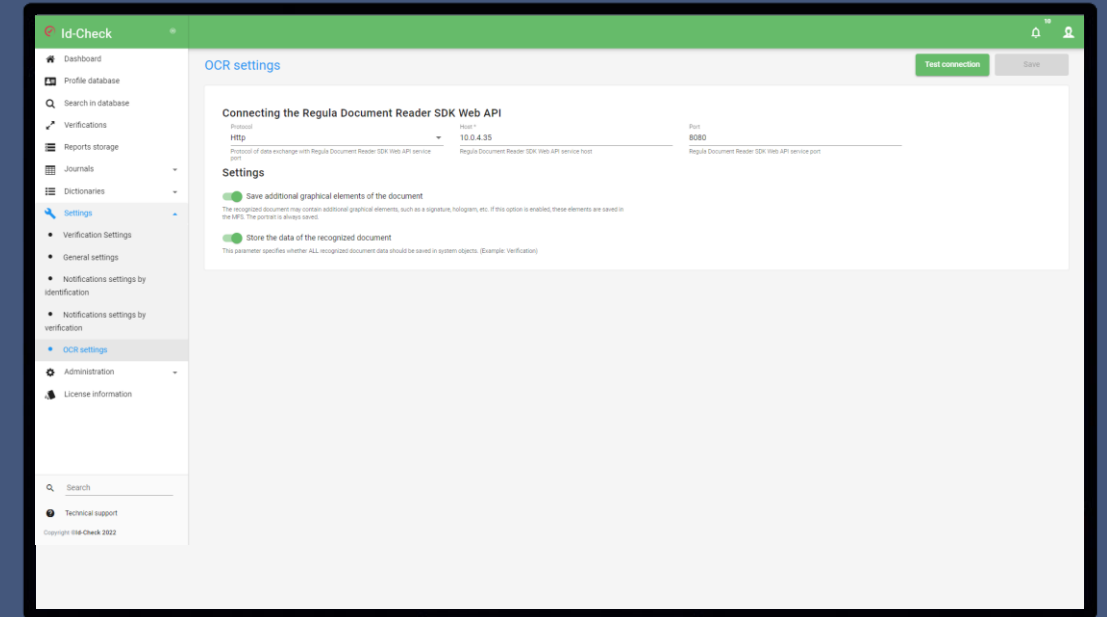
Advantages of the solution
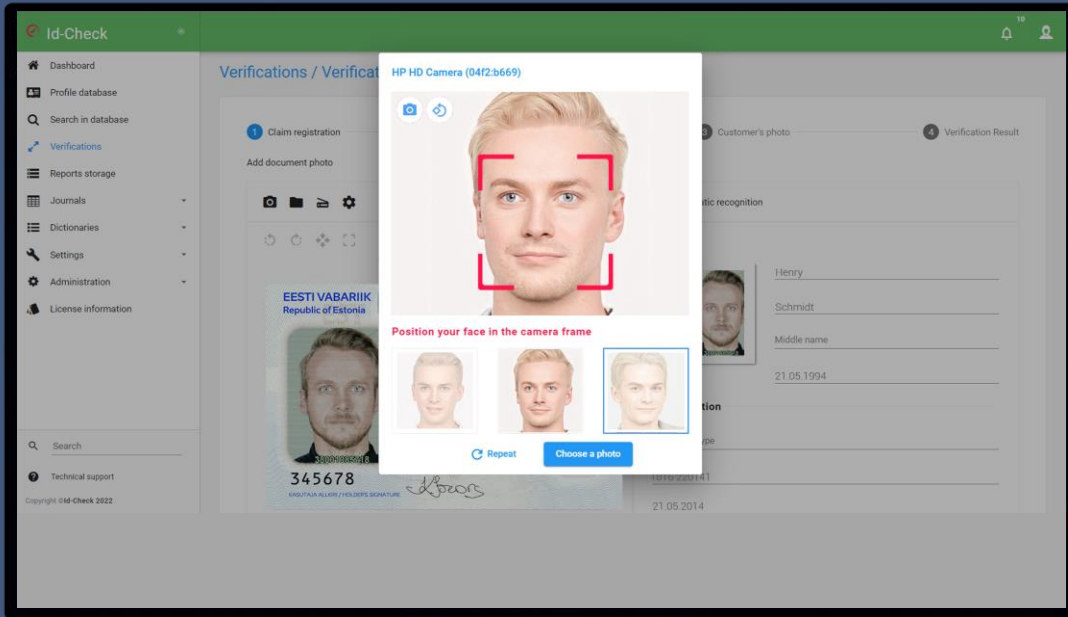
- **AUTOMATIC CONTROL OF LIVENESS**

  During the verification process, the solution receives a series of several photos from the operator's camera or mobile device, thus checking whether a live person is in front of the camera or an image. Verification by the Liveness control, prevents compromise of the system by showing the system a photo on paper or on electronic devices (smartphone, tablet)

- **HISTORY OF OPERATOR ACTIONS**

  To control the quality of operators' work when performing significant actions and transactions, such as: profile changes, verification confirmations and administrative actions, the solution provides a mechanism for detailed logging of all actions

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Advantages of the solution

- **HIGH LEVEL OF INFORMATION SECURITY OF THE SOLUTION**

  All biometric processing is performed on the server side of the Solution, which ensures a high level of information security

  The solution processes two types of biometric data: a photo image of a person and a biometric template based on a photo image. Photo images of employees and visitors of the organization are the most critical personal data, so they are stored in a special isolated information storage, securely encrypted (note: using a block encryption algorithm - AES-256)

  Data exchange in the solution is carried out using encrypted transmission protocols - https and wss

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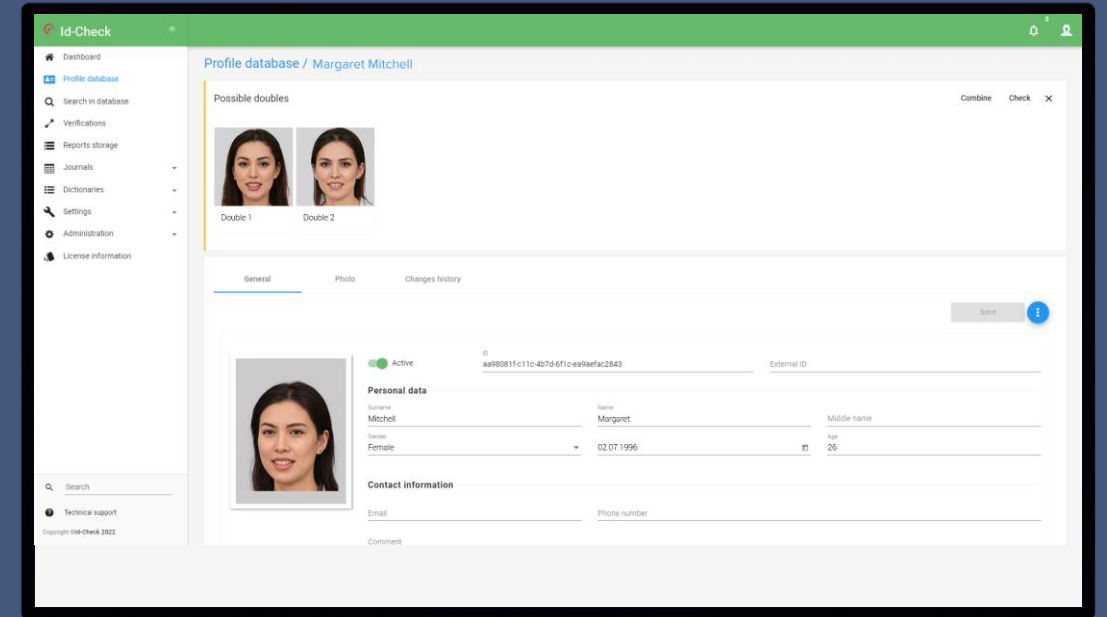
Technological advantages

SIMPLE installation

ROLE model

AUTOMATIC control of Liveness

FULL-FUNCTIONAL interface

READY integrations with passport recognition systems

HISTORY of operator action

OWN interfaces for embedding

User-friendly **API** for integration
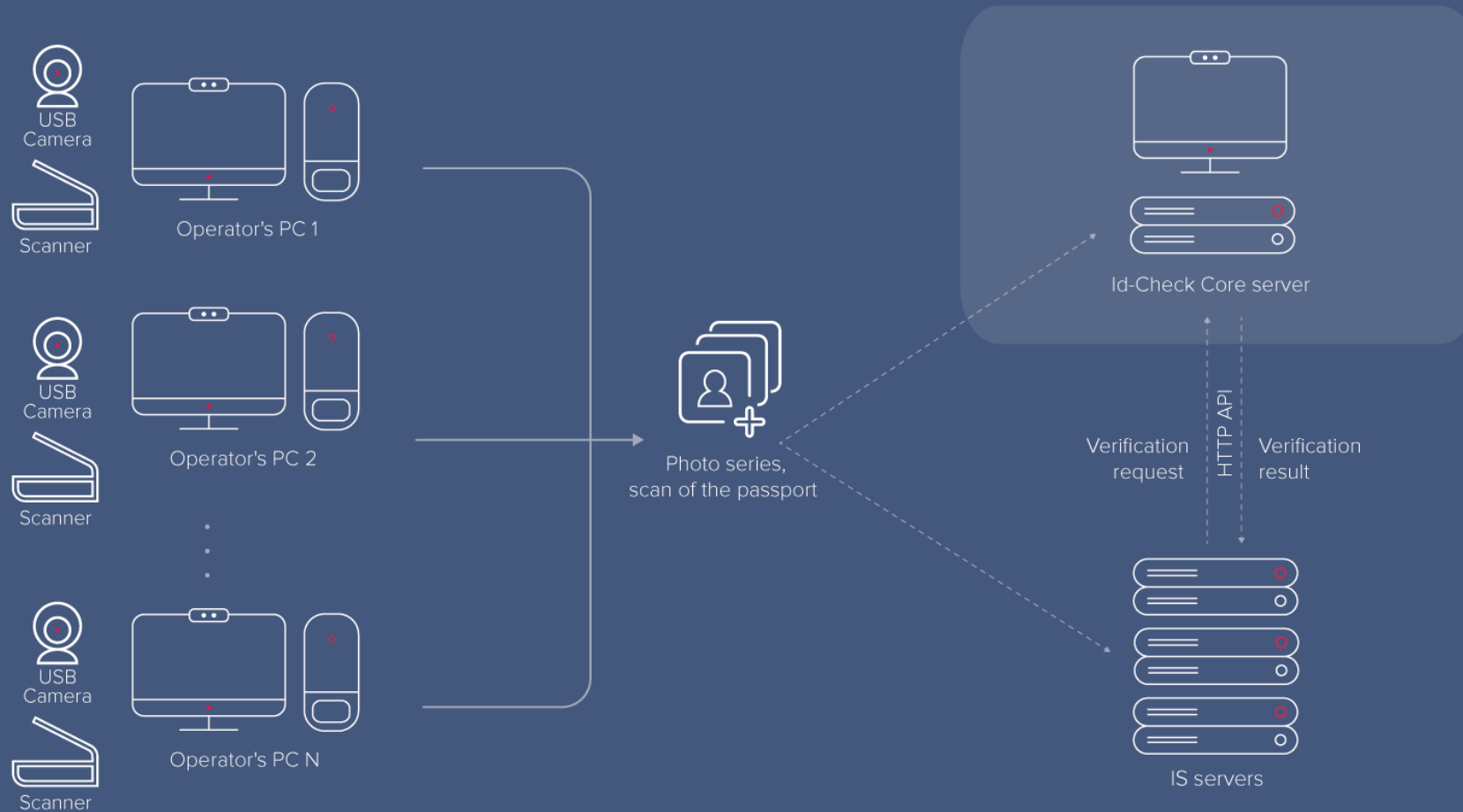
HIGH level of information security

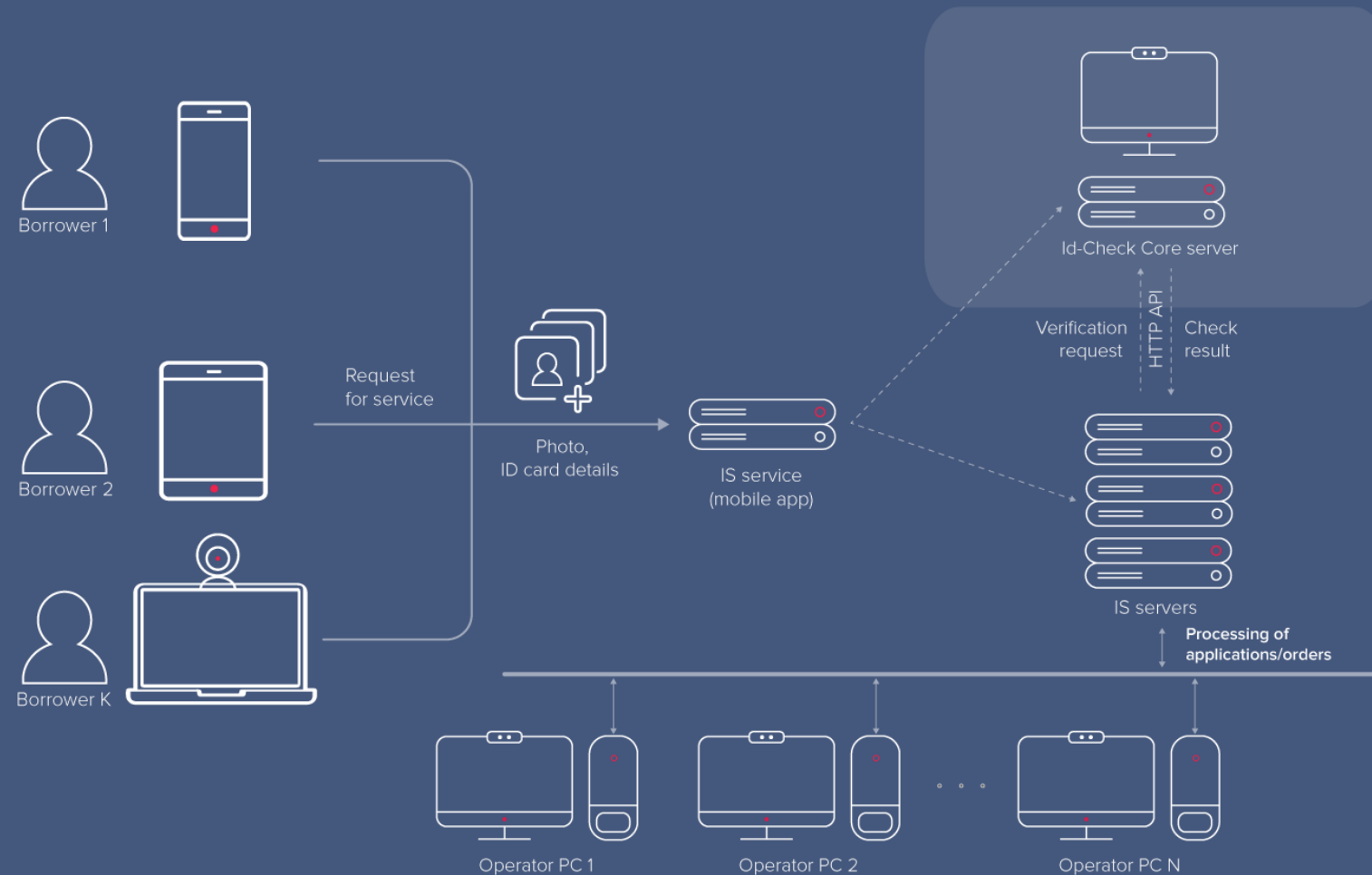**TOOLS** for importing and exporting data

A FLEXIBLE real-time notification system for systems and operators

A scheme of applying the biometric verification of customers in dealing with operators

USB Camera

Scanner

Operator's PC 1

USB Camera

Scanner

Operator's PC 2

USB Camera

Scanner

Operator's PC N

Photo series, scan of the passport

Id-Check Core server

HTTP API

Verification request

Verification result

IS servers

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Id-Check application scheme
for integration into mobile applications

Borrower 1

Borrower 2

Borrower K

Request for service

Photo, ID card details

IS service (mobile app)

Id-Check Core server

Verification request

HTTP API

Check result

IS servers

Processing of applications/orders

Operator PC 1

Operator PC 2

Operator PC N

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The cycle of a successful project

0 Receiving and processing the **Request** for the Id-Check biometric product

1 Designing a solution: joint equipment selection

2 Install the solution using the installer and connection of photo input devices. Connecting the OCR

3 Setting up the solution and forming a profile database, creating lists, notification rules, setting up integrations with external systems

4 Solution operation, support and updates

20 **Id-Check** Installation takes **minutes**

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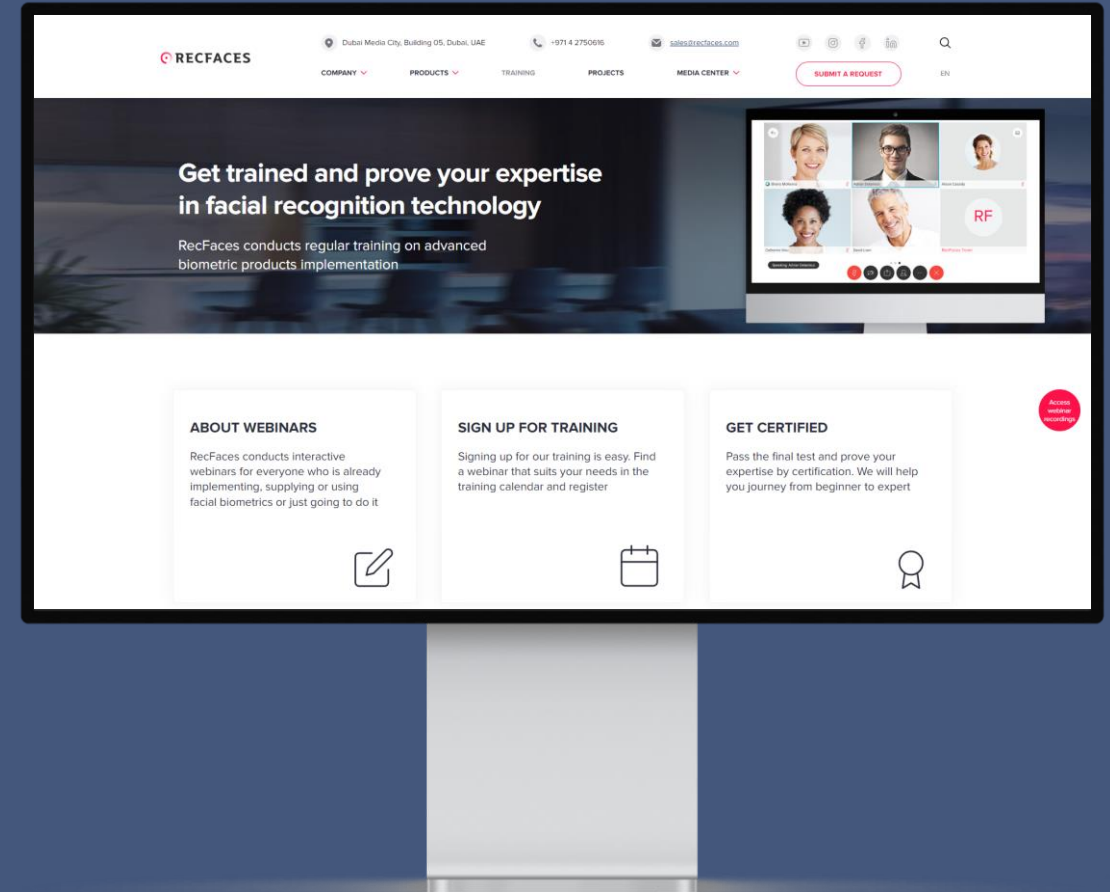# Demo license

Free access

1000 profiles

3 months

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We share our experience in implementing biometric projects

The advantage of the Id-Check webinar:

- **Free participation** and **feedback**

- **Certificate** upon the course completion

- **Live broadcast** and **demonstration** in real-time

- **Providing the materials**: recordings, presentations, tests

- **Demo** license

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Licensing Policy

Profile database

License for the system core
with a profile database

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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