SmartSafe·iQ
Automated Teller Safes Management Solution

Penki kontinentai Group

1992 – **Penki kontinentai** was established

1998 – **ASHBURN International**

1998 – **Penkių kontinentų komunikacijų centras**

2001 – **Penkių kontinentų bankinės technologijos (BS/2)**

**2004** – **Skaitmeninio sertifikavimo centras (SSC)**

2005 – **Penkių kontinentų investicijos**

Business Areas of Penki kontinentai Group

Banking And Retail Trade Solutions	IT Services	Digital Signature	Tele-Commucations	Media	Investments
Software solutions	IT servicing	Digital signature sertificates	Infrastructure implementation	TV channel "PENKI TV"	Real Estate investments
Banking equipment	Cloud solutions	Open key infrastructure	Internet	Specialized Internet portal	Smart House solutions
Technical maintenance (service)	Systems administration	Digital signature software	IP-telephony	Video production studio	
Acquiring and switching services	Infrastructure implementation	SSL certificates	IPTV	Live streaming	
Training and certification	Monitoring		Software development		
Loyalty programs			Monitoring		

Geography
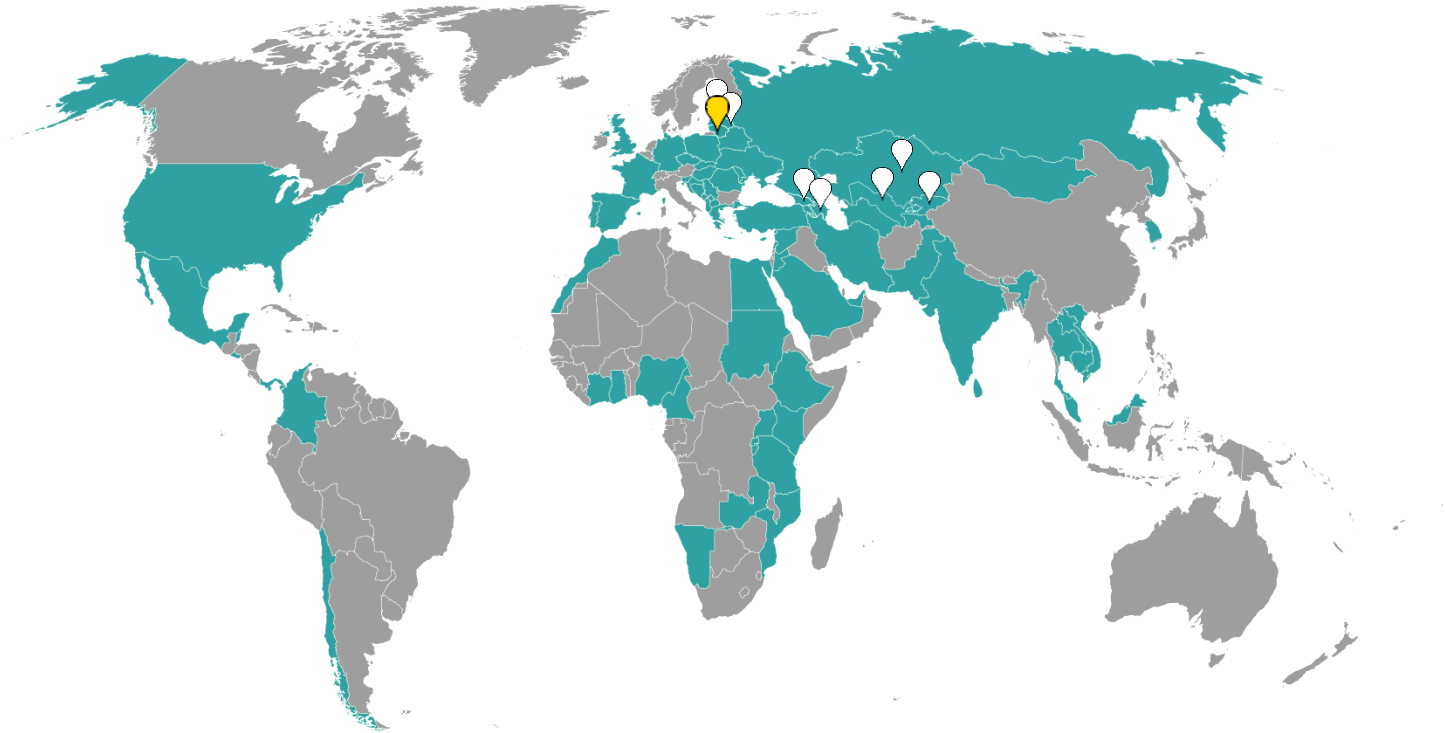
Head office in Lithuania.
Subsidiaries:
Azerbaijan | Estonia | Georgia | Kazakhstan | Kyrgyzstan | Latvia | Uzbekistan |

Our solutions and services are well-known worldwide and available in 70 countries.

Certificates

Successfully implemented the globally acclaimed ITIL V3 recommendations

and completed the implementation of Standard ISO 20000 for service management,

ISO 27 001 for information security management

PCI Security Standard Council acknowledged solutions ATMeye$^{.iQ}$ and Payments$^{.iQ}$ as PA-DSS (Payment Application Data Security Standard) compliant.

Awards

- ATMIA Industry Association award for "Best ATM Security Technology", 2004

- Global ATMIA Award for "Best Security Technology"

- National awards for the "Innovation prize" and "Product of the year"

- Wincor Nixdorf award "Best Banking Solution" – (Payments$^{.iQ}$), 2013

- Wincor Nixdorf awards "Best Service Banking", 2003, 2004, 2013, 2014

Technology Partners

Penkių Kontinentų Bankinės Technologijos

- Software solutions development, implementation and support;

- Banking and retail trade hardware sales;

- Hardware technical maintenance and service;

- Outsourcing services;

- IT infrastructure monitoring;

- Training and consulting;
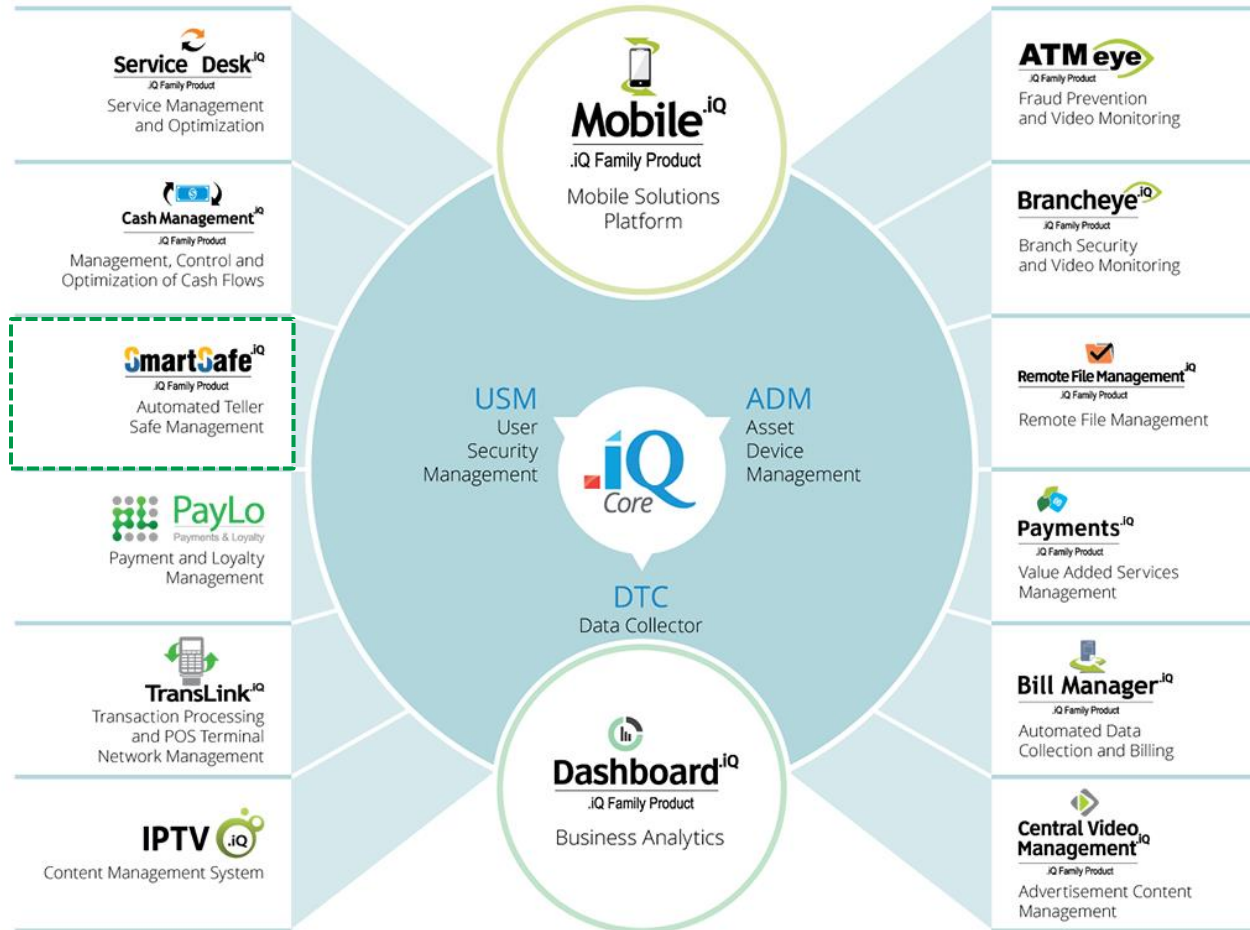
- Spare parts delivery.

Main Facts

- 200 employees
- 7 subsidiaries in different countries
- 20 years of experience servicing banking and other types of equipment
- 39 service centers in 8 countries
- More than 100 certified service engineers
- Partnerships in more than 60 countries
- Second in the world Wincor Nixdorf certified Training Center, since 2008
- Compliance with ISO 20000, ISO 27001
- PCI PA-DSS Level 1 certified

Software .iQ Family

Service Desk.iQ — .iQ Family Product — Service Management and Optimization

Cash Management.iQ — .iQ Family Product — Management, Control and Optimization of Cash Flows

SmartSafe.iQ — .iQ Family Product — Automated Teller Safe Management

PayLo — Payments & Loyalty — Payment and Loyalty Management

TransLink.iQ — Transaction Processing and POS Terminal Network Management

IPTV.iQ — Content Management System

Mobile.iQ — .iQ Family Product — Mobile Solutions Platform

iQ Core

USM — User Security Management

ADM — Asset Device Management

DTC — Data Collector

Dashboard.iQ — .iQ Family Product — Business Analytics

ATM eye.iQ — .iQ Family Product — Fraud Prevention and Video Monitoring

Brancheye.iQ — .iQ Family Product — Branch Security and Video Monitoring

Remote File Management.iQ — .iQ Family Product — Remote File Management

Payments.iQ — .iQ Family Product — Value Added Services Management

Bill Manager.iQ — .iQ Family Product — Automated Data Collection and Billing

Central Video Management.iQ — .iQ Family Product — Advertisement Content Management

Automated Teller Safes (ATS) Management Solution

The solution is intended to manage ATSs and attached peripherals in order to automate cash deposit/withdrawal operations at bank branches, post offices etc. The system can be implemented as standalone or integrated into Bank Information System (BIS).
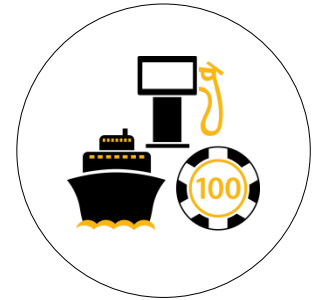
Areas of Implementation

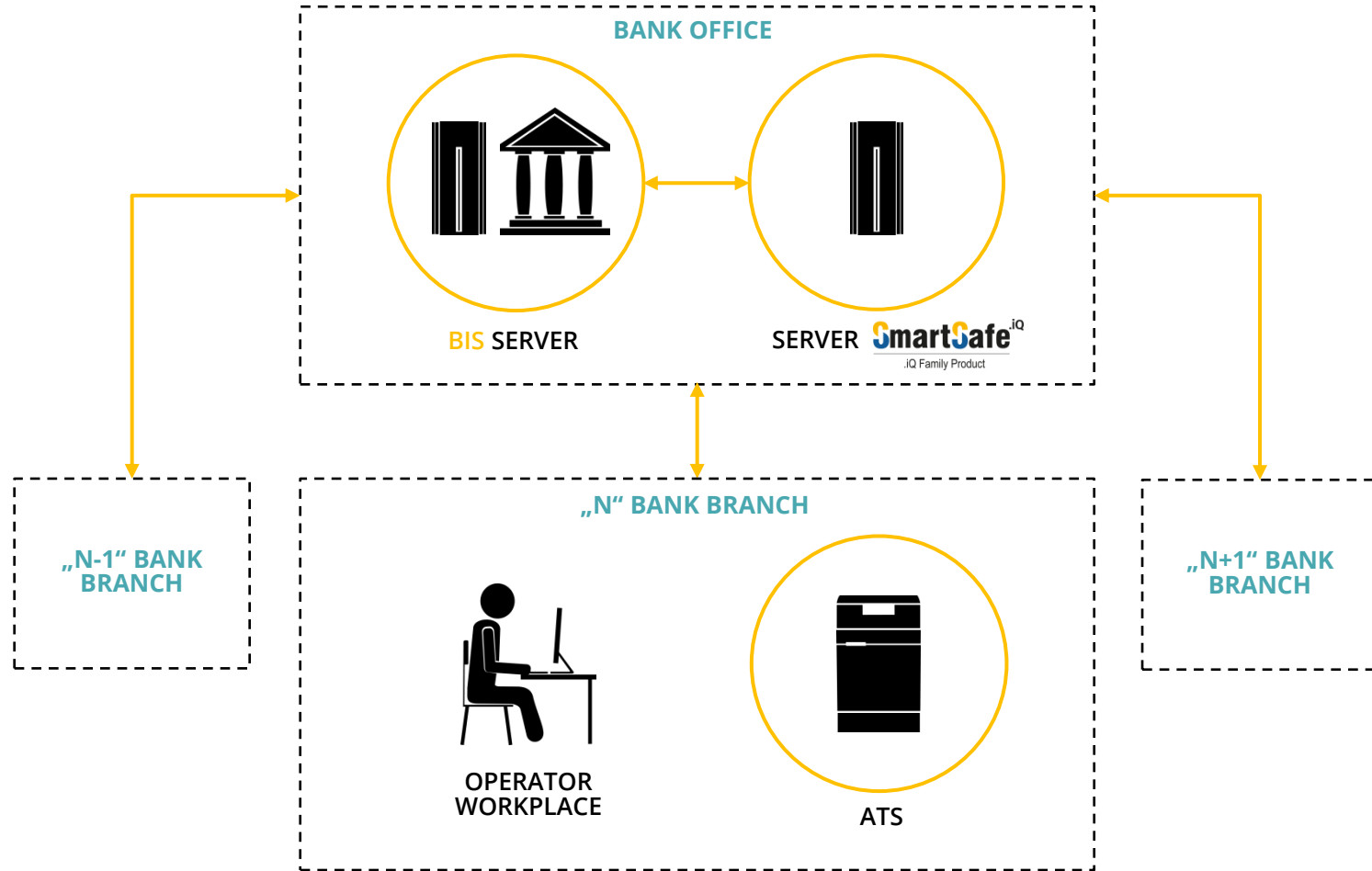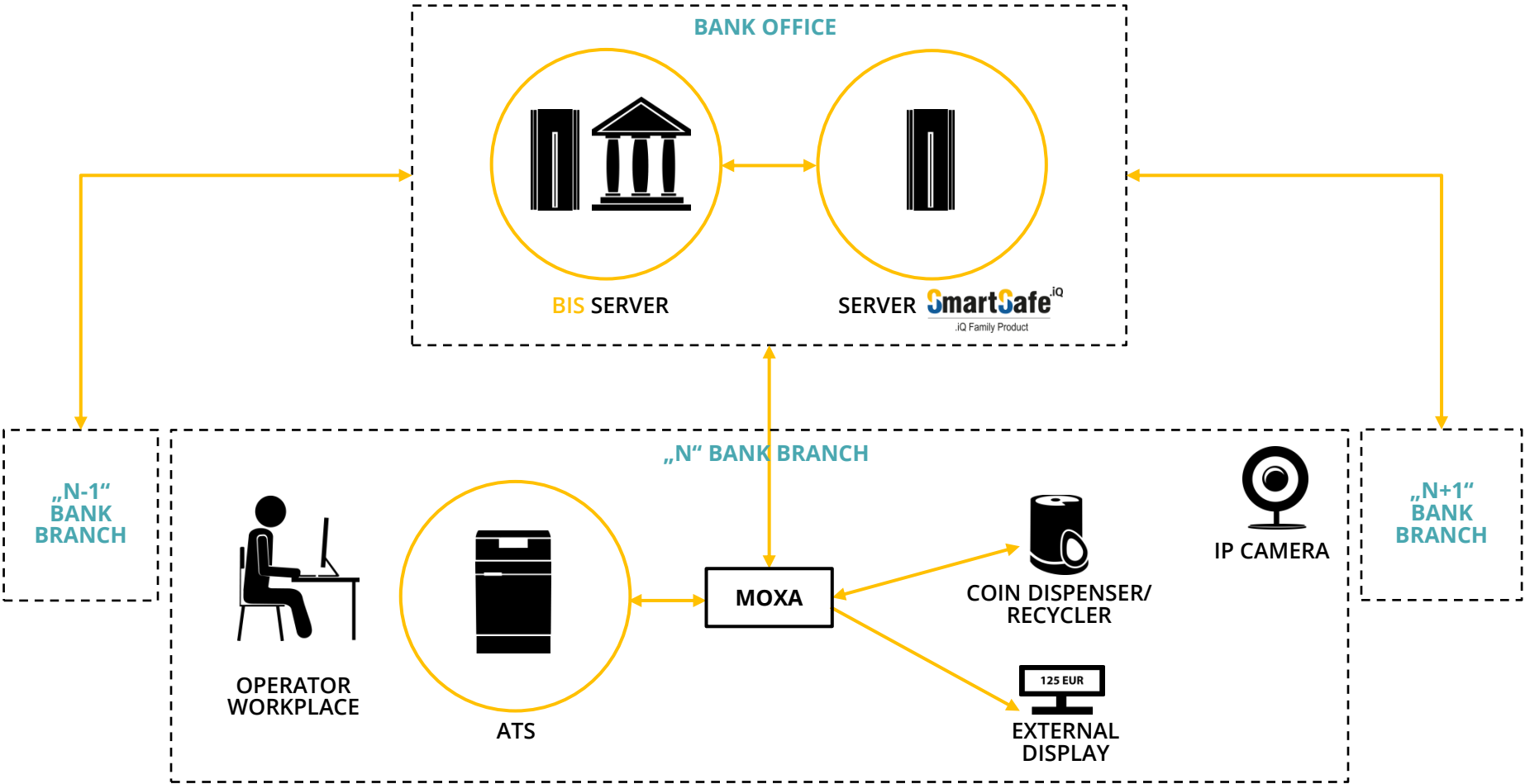**Banks**

Credit Companies

Post Offices

Other

The Main Tasks

- to reduce the time spent on cash deposit/withdrawal operations;

- to automate cash deposit/withdrawal operations;

- to automate cash load/unload (replenishment);

- to control and monitor daily procedures;

- to monitor cash flow status on-line;

- availability of various reports;
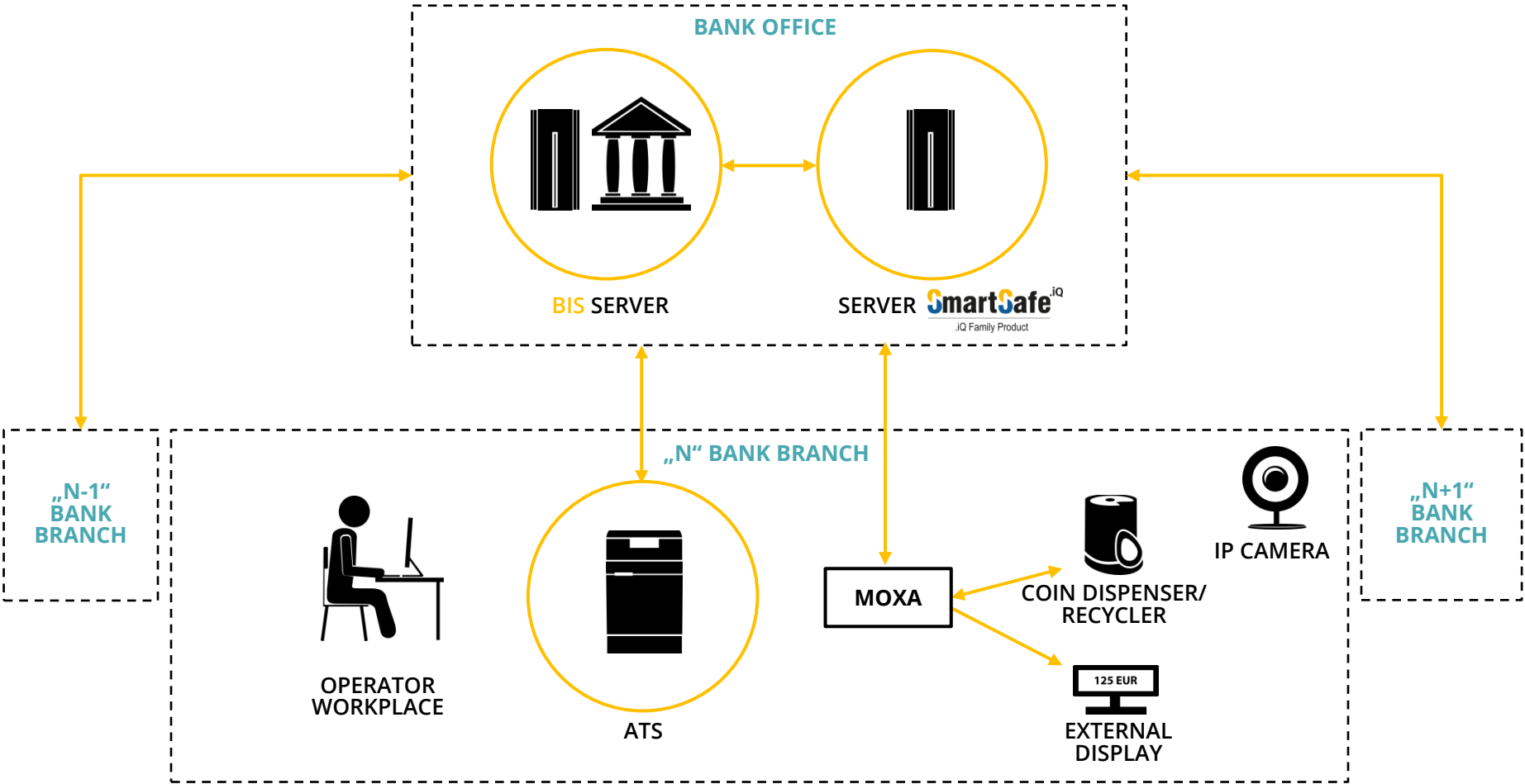
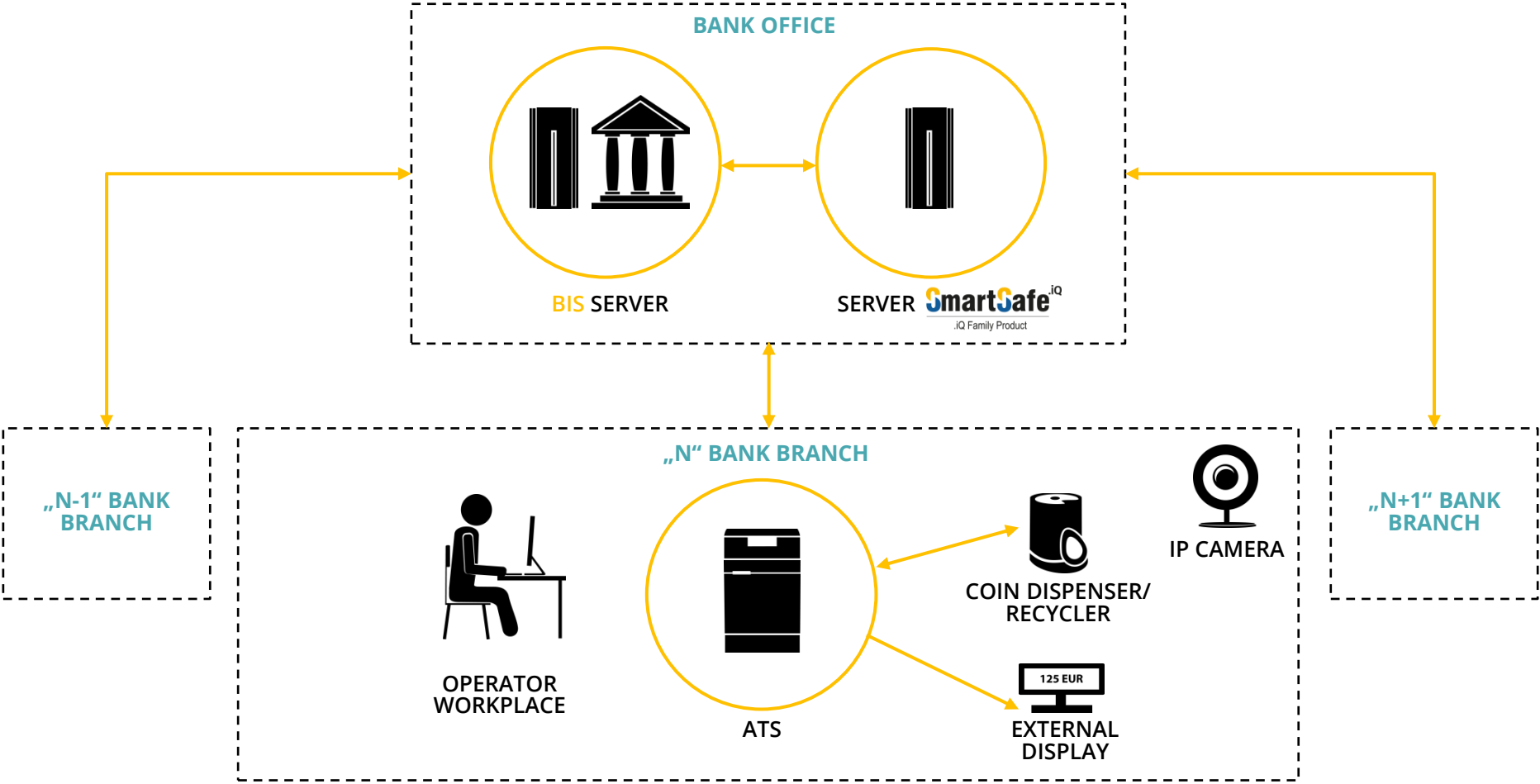- software and hardware administration.

Basic Connection Scheme

BANK OFFICE

BIS SERVER

SERVER SmartSafe.iQ
.iQ Family Product

„N-1" BANK BRANCH

„N" BANK BRANCH

OPERATOR WORKPLACE

ATS

„N+1" BANK BRANCH

Scheme of Connection via MOXA (1)

BANK OFFICE

BIS SERVER

SERVER SmartSafe.iQ
.iQ Family Product

„N-1" BANK BRANCH

„N" BANK BRANCH

„N+1" BANK BRANCH

OPERATOR WORKPLACE

ATS

MOXA

COIN DISPENSER/ RECYCLER

IP CAMERA

125 EUR

EXTERNAL DISPLAY

Scheme of Connection via MOXA (2)

BANK OFFICE

BIS SERVER

SERVER SmartSafe .iQ
.iQ Family Product

„N-1"
BANK
BRANCH

„N" BANK BRANCH

„N+1"
BANK
BRANCH

OPERATOR
WORKPLACE

ATS

MOXA

COIN DISPENSER/
RECYCLER

IP CAMERA

125 EUR

EXTERNAL
DISPLAY

Scheme of Connections via ATS Ports

BANK OFFICE

BIS SERVER

SERVER SmartSafe.iQ

"N-1" BANK BRANCH

"N+1" BANK BRANCH

"N" BANK BRANCH

OPERATOR WORKPLACE

ATS

COIN DISPENSER/ RECYCLER

IP CAMERA

EXTERNAL DISPLAY

125 EUR

Functions and Advantages

Multi-vendor

The solution is compatible with the hardware from major world's manufacturers such as **Wincor Nixdorf, CTS, DoCash, Glory, De La Rue, Talaris and Vertera** – and this list is constantly expanding. Integration with any new type of hardware takes about 2-3 months.

Multicurrency

The solution supports simultaneous ATS operations with different currencies
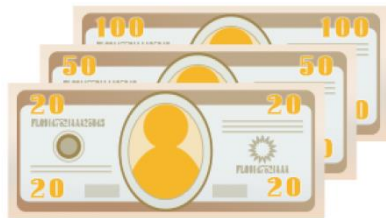
Multi-denomination

The solution allows ATS operations with 128 various currency denominations.

Functions and Advantages

Data security
Data transfer is carried out using the SSL (Secure Sockets Layer) protocol. Generation of security certificates within the system as well as their upload from external systems is supported.


Video security
Integration with security solution **ATMeye**[iQ] allows to increase security through videomonitoring of events taking place in the ATS area.

Flexible configuration
The possibility of connecting tellers' work places in general network allows the staff to switch between ATSs as well as to connect ATSs with other peripherals (coin dispenser, display, camera, card reader) under the SSL protocol.

Functions and Advantages
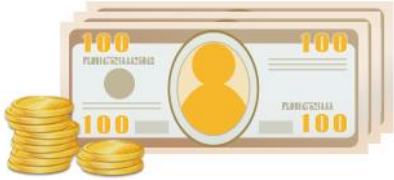
Full Amount Withdrawal / Dispense: Notes and Coins

For banks seeking to fully automate the cashiers workplaces **SmartSafe**$^{.iQ}$ features support of coin dispensers / recyclers allowing to issue the total amount (bills and coins).

Reporting

The solution generates a wide range of various reports. An optional **Dashboard**$^{.iQ}$ business intelligence module allows to conveniently create any new required reports.

Centralized control

SmartSafe$^{.iQ}$ provides centralized control over all cash operations.

Integration with BISs

SmartSafe·iQ provides various tools for integration with BISs such as WEB services, Stored Procedures, JMS, DLL.

Currently **SmartSafe·iQ** integration has been implemented with the following BISs:

Colvir CBS-3	COLVIR software solutions	**М-БАНК**	Банк Москвы
Forpost	FORBIS	**Oracle Flexcube**	ORACLE®
ODB	TBC BANK	**Financle**	Finacle
DCS	DCS INFORMATION SYSTEMS	**BISQUIT**	БИС
Platon	BALTIC AMADEUS	**Atlas II**	BNP PARIBAS

The integration with any new BIS takes 2-3 months.

Mobile SmartSafe.iQ
New Opportunities for Automated Teller Safes

Mobile SmartSafe.iQ is a new payment infrastructure based on ATS and mobile device. Among the main features of **Mobile SmartSafe.iQ** are usability, extended functionality, high security level, lower cost of service per point and reduction of workload of staff at the bank branch.

The new system allows to combine functions of the recycling ATM, self-service terminal, currency exchange machine and provides these services in a convenient smart phone interface.

Features

- cash withdrawal;
- cash deposit;
- currency exchange;
- payments for goods and services;
- cash withdrawal from any (non-bank) account Cash Anywhere;
- provision of information from external information and billing systems;
- cash bundle count;
- cash exchange into larger or smaller bills.
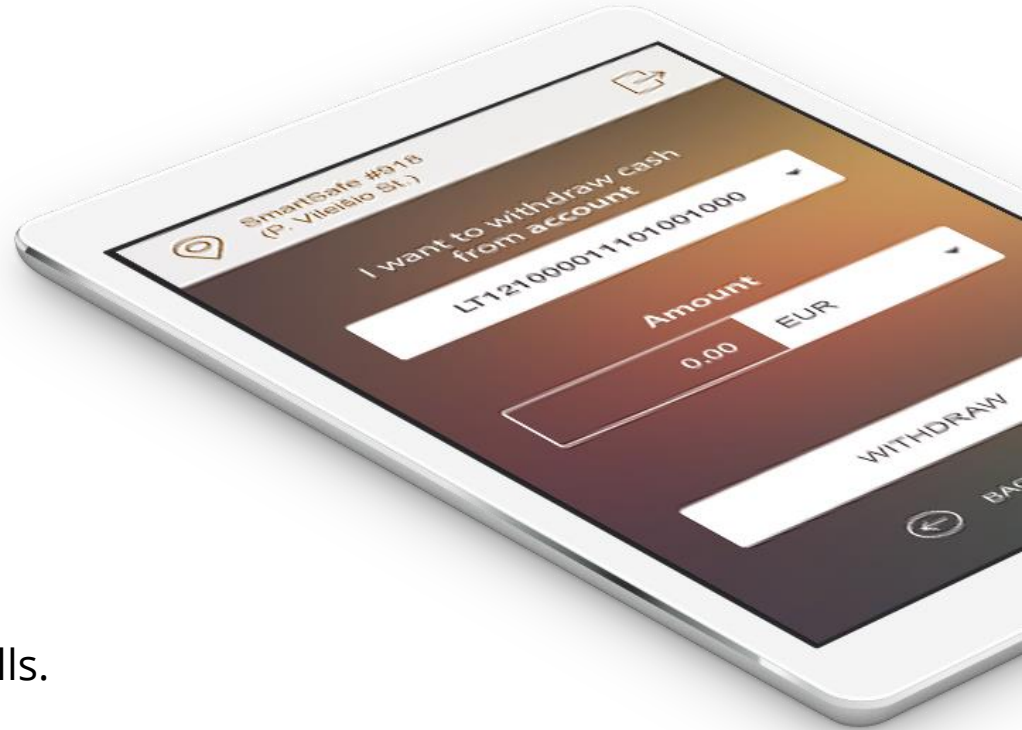
Complete Reporting

- cash report per ATS;
- report on ATS replenishments;
- report on operations during the selected period;
- ATS turnover during the period;
- report on cash balance;
- reports on unclaimed and deferred notes;
- report on settlements with service providers.

ATS Network Monitoring

- ATSs current balance;
- hardware technical condition.

Related Products

Cash Management·iQ – is a software solution belonging to .iQ product family, developed to automate and optimize the processes related with cash flow at all cash deposit / withdrawal points. This solution allows maintaining optimal amounts of cash in the whole network of ATMs, ATSs, vaults and bank branches.

ATMeye·iQ is an integrated hardware and software solution that provides additional safety and security for self-service devices and their users. The system monitors events in and around self-service devices 24/7, thereby reducing the risk of fraud and vandalism and helping to resolve disputes with customers.

Dashboard·iQ – control center for different modules of .iQ platform, based on the latest technology, providing quick access to information influencing the decision making process.(client-server mode or HTTPS protocol)

Related Products

Payments.iQ – is a full-featured software solution for arranging of receiving payments (for utilities, taxes, penalties), selling all kinds of electronic services (e.g. tickets, recharge codes, vouchers, utilities and so on.), retail banking automation, network management of information and payment terminals and ATMs.

ProView is monitoring and IT service management software for self-service systems. **ProView** provides extensive functions covering administration, monitoring and control of self-service networks to ensure that they deliver maximum performance and availability.

Thank you
for your attention

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