# AUTOMATED TELLER SAFES MANAGEMENT SOLUTION

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Penki kontinentai GROUP

BS2
Penki kontinentai group

# About BS/2

The company BS/2 is a member of Penki kontinentai group. The company has been known in banking technology market for providing banking equipment, software and services including system integration, business processes outsourcing and technical maintenance for about 25 years. We are an exclusive partner of Wincor Nixdorf for 20 years. Universal software solutions and services of BS/2 are well-known and available in 70 countries worlwide.

In early 2011, the company has implemented the internationally recognized IT approach ITIL V3 (Information Technology Infrastructure Library) and successfully passed the audit of compliance of the Service Management Standard ISO 20000.

Since 2012, the company has been audited, and received a Certificate of Compliance to the Standard ISO 27001. This certificate is proof of the high quality of services provided by BS/2.

The company has been awarded the Best Service Banking 2013/2014 and Special Achievement Banking 2013/2014 prizes during Wincor Nixdorf Partner Summit 2014 for its successful activities in banking sector of Georgia, Moldova, and Azerbaijan.

# About SmartSafe.iQ

The system is designed to control automated teller safes (ATSs) and peripheral equipment for the automation of cash deposit/withdrawal operations at bank branches and other cash points.

The solution diminishes the time of deposit/withdrawal operations, giving the cashier more time for offering customers other bank's products.

SmartSafe.iQ can operate as a stand-alone system for work with ATS offline as well as fully integrated into the Banking Information System (BIS) or other information systems.

SmartSafe.iQ implementation simplifies everyday operations, allows to avoid human errors, prevent possible illegal manipulation with cash and optimize cash-related operations in the banking infrastructure.
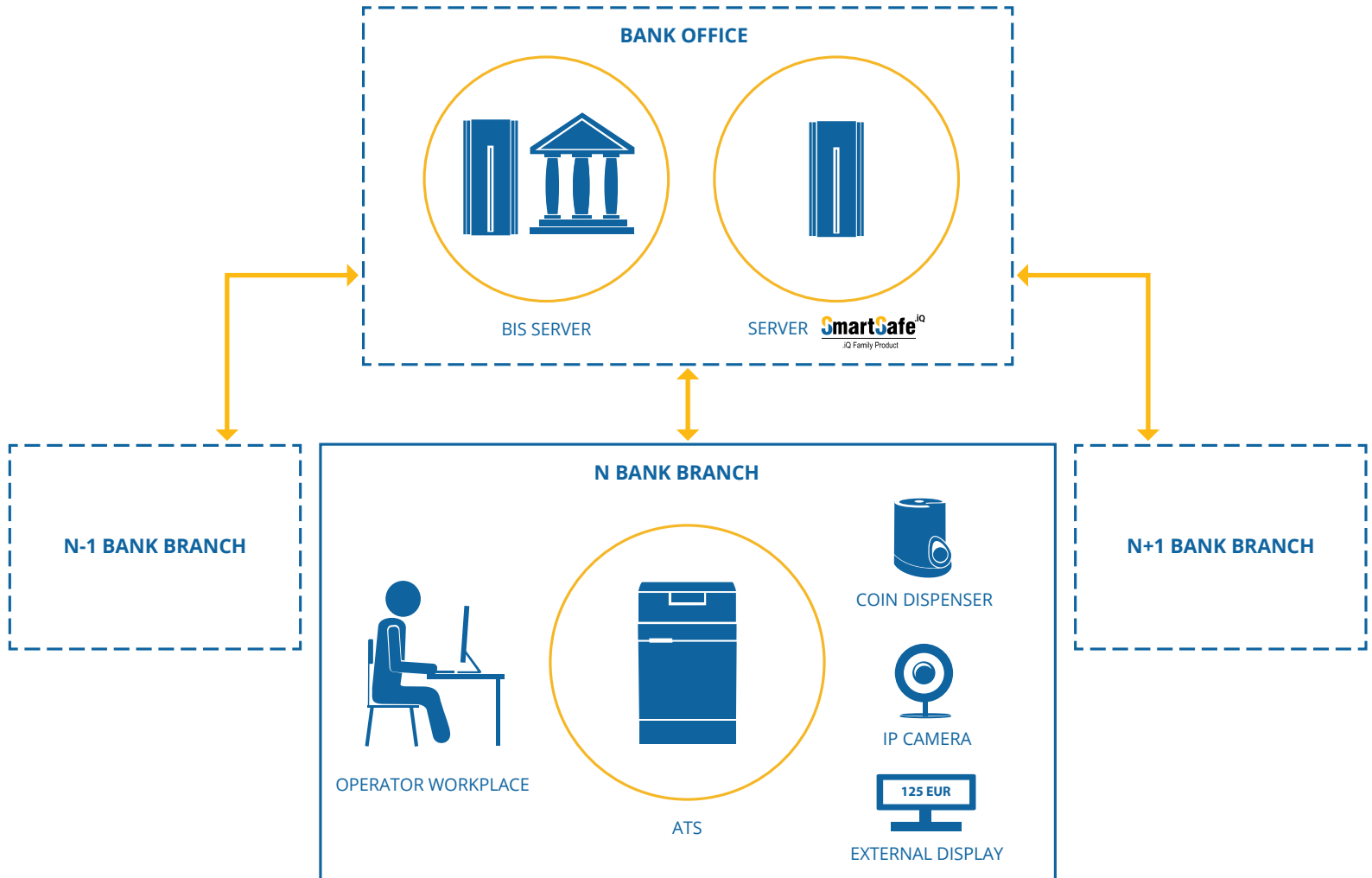
# The Main Tasks:

- 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;
- to monitor cash flow status on-line;
- availability of various reports;
- software and hardware administration.

# Solution Scheme



BANK OFFICE

BIS SERVER

SERVER  SmartSafe.iQ
iQ Family Product

N-1 BANK BRANCH

N+1 BANK BRANCH

N BANK BRANCH

OPERATOR WORKPLACE

ATS

COIN DISPENSER

IP CAMERA

125 EUR

EXTERNAL DISPLAY

## 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.

## 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 video monitoring of events that take place in the ATS area.

## Flexible configuration

The possibility to network all workplaces allows the bank branch staff to perform quick switching between ATSs and connect them with other peripherals (coin dispensers / recyclers, customer displays, cameras, card readers) using the SSL protocol.

## 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 follwing BISs:

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

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

## New opportunities for automated teller safes

Mobile SmartSafe·iQ is a new payment infrastructure based on ATS (Automated Teller Safe) 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;
- payments for goods and services;
- currency exchange;
- 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 bills;
- report on settlements with service providers.

### ATS network monitoring

- ATSs current balance;
- hardware technical condition.

# Related Products

**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.

**Brancheye.iQ** – event-based video surveillance solution to insure whole bank's branch security. This multi-vendor solution not only controls real-time security process remotely and monitors video surveillance footage of all self-service devices and branch premises, but also reduces branch management maintenance costs.

**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.

**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)
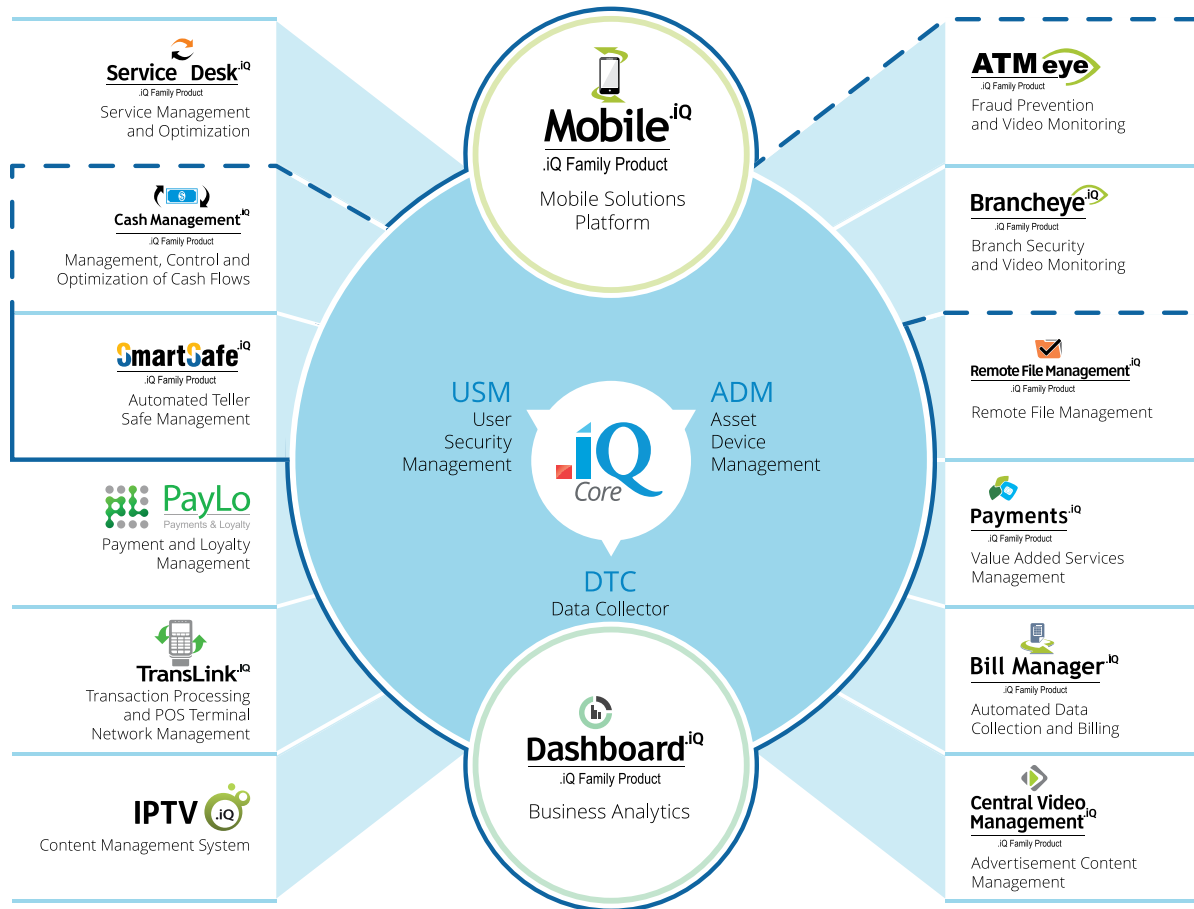
**Service Desk.iQ** is the solution for automation of business processes associated with the servicing of complex systems, including networks of technical devices and bank equipment.

**Mobile.iQ** platform - is a set of mobile solutions, designed especially for the banking and retail sectors.

# .iQ Family Products



**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

**.iQ Family Products**

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