

BankSyst

– the complete solution for digital self service banking operations

The Tieto BankSyst is a ledger based and customer centric software, designed to handle every need for a start-up bank or a local/regional operation, serving up to 2.500.000 bank clients. It has been performance tested up to that level in cooperation with IBM, Montpellier. The system is developed, installed and maintained by Tieto Estonia.



Benefits for the bank

During its 10 year history, valuable experience has been accumulated in creating, implementing and supporting this comprehensive solution for financial institutions where international knowledge and Nordic experience is utilized.

The technology used and the pre engineered system, makes it easy and safe to install the system in a very short time-frame. Development is done quickly and in all - the open source approach makes the solution very cost efficient.

The system is very efficient. As an example: it is designed so that it only takes one person of the bank's own staff to run the every day procedures of the banking system. For back-up reasons, however, two persons should have the competence.

Multi Currency

The multicurrency functionality enables the bank to offer the customers full flexibility, especially for foreign payments, where the

banks customer can choose to convert incoming currencies or to save the funds on sub accounts. The functionality also makes it easy to migrate from one local currency to another (e.g. EUR).

Modular composition

Tieto BankSyst consists of several integrated modules handling :

- Client information, agreements
- Accounts and loans
- Payments, domestic and foreign
- FX and Time Deposits
- Reporting, MIS and to Central Bank
- Clearing interfaces
- Accounting, End-of-day
- Administration and configuration tools
- Query runner, documentation browser
- Back- and front office web interfaces.
- Internet bank for retail and corporate customers
- Internet bank for corporate customers
- Cash Management Services

BankSyst Functionality

This core system in total contains hundreds of screens. A few of them are shown here, to visualize the system:

Customer register

Functions:

- Multiple addresses to each person
- Several roles to each person:
 - customer
 - representative
 - employee
- CRM-tool, flexible additional information
- All contact points

REGISTER 23 John Arnolt Find

Save New

Customer code: 23
Registered: 09.12.2003
Last change: 12.10.2004

Customer segment: Private person (10) private person

Occupation: _____

Personal id-no: 35408020250 Date of birth: 02.08.1954

Customer name: John Arnolt

Address: Vnu Street 4

County: Tallinn State: Eesti Vabariik

Town: Tallinn ZIP-code: 13516

Phone: +372 445566777 Tele: _____

Fax: _____ Mobile: +372 55667788

E-mail: john@spike.ee

Resident:

CONTACT ADDRESS

Address: _____ Contact person: _____

County/Town: _____ State: _____

ZIP-code: _____

SIGNATURE

Upload new signature image

Signature:

The system can save the customers signature, to be used later in identification situations by the teller. The tick boxes contain all allowed choices, to assist the teller.

Current account

Functions:

- Search can be made by customer name and other parameters
- Accounts in all currencies
- Agreements available on screen
- Balances are shown for debit and credit
- Overdraft limits
- Interest rates and amounts

CURRENT ACCOUNT 6129 Some One Find

Show agreement Show agreem. (in estonian) Save New Close

Account no: 1210000242 - opened Interest type: Monthly average

Add new currency subaccount: [Add] Status: opened Change status

Fee: is not taken

Interest change: according to pricelist

Additional conditions: _____

Account opened: 22.07.2004

IBAN: EE17 1200 0012 1000 0242

Currency	Balance	Credit	Interest	Debet	Overdraft limit	Interest
EEK	25.00	25.00	0.00000	0.00	0.00	0.25
EUR	125.00	125.00	0.00000	0.00	0.00	0.20

The system is multi-currency. This means that the amounts in different currencies, belonging to one customer are saved under the same account no, but in separate currencies, in separate sub accounts.

Payments

Functions:

Search possibilities for a specific clients payments, or by dates and/or amounts.

Both payer and beneficiary are shown on screen.

Statuses for payments are shown. That means the payment can be tracked in the process.

New payment orders can be created out of old ones.

SEPA ready.

All payments processed STP.

ID	Date	Payers name	Benefic. name	Benefic. account	Amount	Val	TT	Status	Comment
2785	03.01.2005	Demo OU	Demo OU	EE204200221010814900	1,200.00	USD	400.00	OK	transfer to own account
2784	03.01.2005	Some One	Someone	4100566728	1,000.00	EEK	0.00	OK	up-payment
2783	03.01.2005	Where There	Demo AS	221014193355	266,496.00	EEK	0.00	OK	toll for new cars
2777	03.01.2005	Big Deal Ltd	Small Deal Ltd	221003127468	1.00	EEK	0.00	Cancelled	test
2776	03.01.2005	Test OU	Know Who	2102256227	4,125.00	EEK	0.00	OK	salary
2775	03.01.2005	Demo OU	Some One	30002037850004	1,170.00	EEK	0.00	OK	salary
2774	03.01.2005	Demo OU	Second One	436817270001	6,180.00	EEK	0.00	OK	commission
2773	03.01.2005	Testings OU	Gig Deal Ltd	LV32PEEE0001059941018	4,700.00	USD	30.00	OK	Invoice Nr xxx333111

If a foreign payment arrives in USD, and the customer so far only has an account in local currency (e.g. EUR), a new subaccount in USD will automatically be opened for the customer. The dollars are kept on that account, until the customer reuses them or converts them to EUR in an FX-deal in- or outside the bank.

Internet bank

Multi language.

Retail customers:

- account statements
- payments, both foreign and domestic
- foreign exchange
- messaging to bank
- agreements started and ended
- one-stop-shop to partners, authorities

For corporate customers also:

- consolidated financial statements
- file transfers to and from bank
- internal user rights administration

Currency	Balance	Credit	Reserved	Free balance	Waiting payments
Account number: 1210001034, IBAN: EE70 1200 0012 1000 1034					
EEK	41660.73	100000.00	93250.10	48410.63	41661.70
USD	1000.00	0.00	300.00	700.00	11.00
Account number: 1210001047, IBAN: EE10 1200 0012 1000 1047					
EEK	790161.00	0.00	0.00	790161.00	1500.00
LVL	5000.00	0.00	0.00	5000.00	0.00
Total in EEK	957527.73	100000.00	96789.65	960736.08	43291.48
Total in EUR	61197.18	6391.16	6185.99	61402.35	2766.83

Several methods for identification/authentication are available, and can be used according to the security level chosen by the bank. Naturally the language of all the screens, back- and front office and web bank can be changed to banks requirements. Presently there are screens in Estonian, English and Russian. This is normally done in the installation phase for a new bank/customer.

Open Source Technology

Tieto BankSyst is constructed in open source technology. It is a ledger-based, customer centric system. It is a totally integrated system, based on an Oracle database and Python language is used for scripting. BankSyst is built for use on Linux operating system.

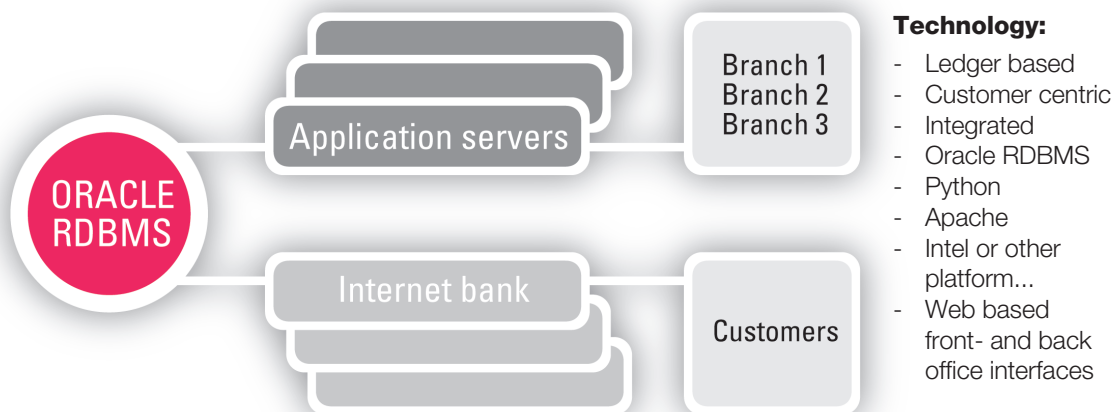
This technology makes the system very cost efficient. The bank only needs to license the Oracle database.

Another cost efficiency factor is that the system can run on standard Intel platforms, which makes the hardware easy to replace and upgrade. The system can also be operated on other platforms, if needed by banks IT-operations policy.

BankSyst can be operated in several ways. Depending on the policy/needs of the bank, it can either be operated totally in house by the bank, in cooperation with Tieto, or completely outsourced to Tieto. Currently there are several start-up banks up and running, totally outsourced to Tieto.

Installation of a new system is made quickly, in 6-8 months from the agreement signing. This time is needed to make normal necessary customizations.

The very short time-to-operation for BankSyst is possible due to the leading edge technology used.



Tieto

Tieto is an IT service company providing IT, R&D and consulting services. With approximately 16 000 experts, we are among the leading IT service companies in Northern Europe and the global leader in selected segments.

We specialize in areas where we have the deepest understanding of our customers' businesses and needs. Our superior customer centricity and Nordic expertise set us apart from our competitors.

Tieto Financial Services provides information technology solutions and services to leading financial institutions.

Customers include major banks, insurance companies and financial organisations that have chosen Tieto for its capability to deliver innovative, robust solutions with a solid return on investment.

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