Despite the predicted decline in using cash and rapid expansion of cashless settlement technologies, volume of circulating cash as a payment instrument has been steadily growing every year throughout the world. This results in the growth of charges for supporting cash circulation processes – from delivery to a bank’s depository up to withdrawing from an ATM.

The cash management system CashLab gives the substantial reduction of everyday expenditures on cash circulation within an ATM network as well as ensures the efficient use of a bank’s cash assets and personnel working time.

The solution was designed in close partnership with financial institutions to be at most suitable for modern banking realities and to meet banks’ demands and the best world’s practices of cash management.

**ATM cash replenishment forecasting**

CashLab relieves bank employees from the necessity to gather data on withdrawal dynamics for each ATM and to make complicated mathematical calculations in a manual mode. As far as the cash replenishment automatic forecasting is completely impossible without appropriate functions of a software system connected with collecting, processing and analyzing data, CashLab is designed to independently perform:

- monitoring of cash level in an ATM
- registration of cassettes and ATMs technical status
- collecting history data on replenishments and withdrawals
- notification messages about critical events

The cash replenishment forecasting by means of CashLab implies:

- 10 algorithms for forecasting a date and calculating a replenishment amount
- automatic balancing between value of money and value of replenishments running
- limits accounting

**Release of Non-working Funds**

Excessive cash loading of ATMs is a common situation for a manual-type cash management. As a rule, a bank tries in this way to minimize ATMs downtime caused by lack of cash. But usually funds are stocked unused in ATMs safe boxes.

With CashLab there is as much money as necessary in ATMs — no more and no less.
Lowering the Residual Cash Level

The procedure of an ATM cash replenishment requires residual cash collection prior to the next replenishment cycle. Before the repeated use this money undergoes processing in a complicated and expensive way. CashLab enables to minimize the residual cash level and thus makes the use of a bank’s cash assets more efficient.

Costs Optimization

The cash replenishment is a costly and complicated process involving several structural units simultaneously (cash carriers, armed guards, etc.) and requiring additional facilities (e.g. armored vans).

By using CashLab a bank will cut its expenditures through:

- Optimization of cash replenishment costs (note preparation and packing, cash in transit distribution, ATM cash loading, etc.)
- Avoidance of unnecessary on-site visits to the ATMs

ATM Downtime Minimization

The accurately and promptly replenished ATM with a sufficient stock of cash for customers satisfaction ensures minimization of downtimes caused by lack of money and adds positive to a bank’s image and customers loyalty. And it is very easy with CashLab.

With CashLab ATMs’ downtime caused by cash outage is practically equal to zero.

Human-factor Errors Avoidance

The use of CashLab for ATM cash replenishment forecasting provides a bank with substantial advantages:

- Full avoidance of human-factor errors in calculations
- Minimal human-factor mistakes in administrative matters

Universality

In the process of CashLab development the realities of cash management in financial institutions were taken into consideration, and this resulted into a universal solution:

- Support of any vendor’s ATMs
- Integration with any processing center or ATM monitoring system
- Support of payroll card programs and their automatic detecting
- Support of own or outsourced cash-in-transit centers, templates of orders
- Preparing orders both automatically and manually with flexible parameterization
- Formation of accounting entries to an Automated Banking System and analytical reporting
- Differentiated access to the system on branches and users level

Performance Assessment

Due to the separate module for assessment of CashLab performance and a bank’s ATM cash management (KPI, Key Performance Indicators), any financial institution may ascertain that there is a good reason to install CashLab. Just load your estimated data on the demo-platform cashlab.com.ua, then carry out modeling and find out the profitability from using CashLab.