

Tier 1 Bank in USA

Background

Cash management is one of the most crucial operations in the banking industry. When conducted using modern statistical methods and engineering-minded methods, there is a huge savings potential in the cost of holding cash and cost of cash-in-transit (CIT). Cash+ generates timely, cost-optimal cash transfer orders (CIT Scheduling) for each ATM within the network. As the ATM technology evolves, your CIT scheduling model should provide a proper reflection. CIT operation constraints; CIT operations cost structure as per your agreement with outsourcing organization; recycling machines; BNA limits; cassette configurations; multi-currency cash; different reconciliation methods; these are all details increasing the dimensions of the management philosophy and the model. By covering all the parameters and constraints, Cash+ structures an optimal balance between existing cost parameters by retaining the cash availability rate. Customer satisfaction should not be

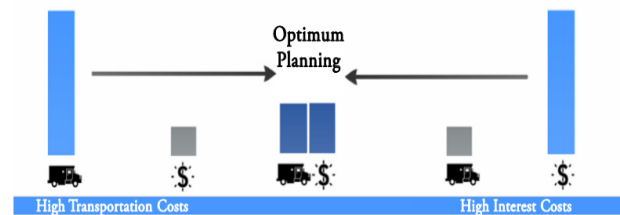
Solution and Results

The bank engaged PlusOneMinusOne Cash+ product to help optimize its cash management process.

harmed when reducing total cash management costs.

Challenge

- Accurate cash transaction volume forecasting
- Accurate and sustainable CIT Schedule and order generation
- In case of character change, automatic updates by self-learning algorithms
- Optimal balance between CIT & Interest costs



Inputs

- CIT Operation Costs & Methods
- Cost of Holding Cash
- Irregular days
- Transaction History

 **26%**
Interest Costs

After scheduling CIT order plans via Cash+, residual cash levels in ATM network have decreased by 26% which brings a yearly interest cost benefit of

2.500.000 USD

 **11%**
Cash In Transit Cost

After scheduling CIT order plans via Cash+, total amount of CIT operations cost in ATM network have decreased by 11% which brings a yearly savings of

7.150.000 USD