

Demand Forecasting & Supply Control for Cash Management



Vermeer Algorithm

Ingenuity in Cash Management Solutions for the
World's Leading Banks & Retailers

Addressing the Demand of Cash Supply

Optimizing cash holdings at every point in your currency supply chain maximizes profitability, customer satisfaction and asset potential while keeping Armoured Car fees, emergency loads and cost-of-cash minimized.

solution

Forecast demand on cash points by analyzing historical data to predict trends and levels of cashflow.

Optimize cash holdings and maximize the utility of your assets.

Compensates for fluctuations in demand on holidays and known event dates and manages the impact that end-of-month, pay period and variable patterns have on cash levels.

Control excessive and idle cash-on-hand.

Process load scheduling manage Armoured Car services, minimizing transportation costs.

Automate business practices for cash ordering, reporting and customized look-ahead warning generation.

problem

Supply In Shortage

Providing all of the cashpoints in your bank's network with an adequate supply of currency maximizes uptime for ATMs and Branches while ensuring reliable service for your customers.

Without cash, an ATM cannot produce revenue through service fees and becomes a liability on the reputation of your customer service. Emergency cash loads fix the problem, but Armoured Car services incur great expense.

Supply In Excess

Overstocking cash-on-hand is a more expensive and less desirable solution. Excess cash reserves leaves resources idle, unable to generate interest or profit and bearing a cost of lost opportunity.

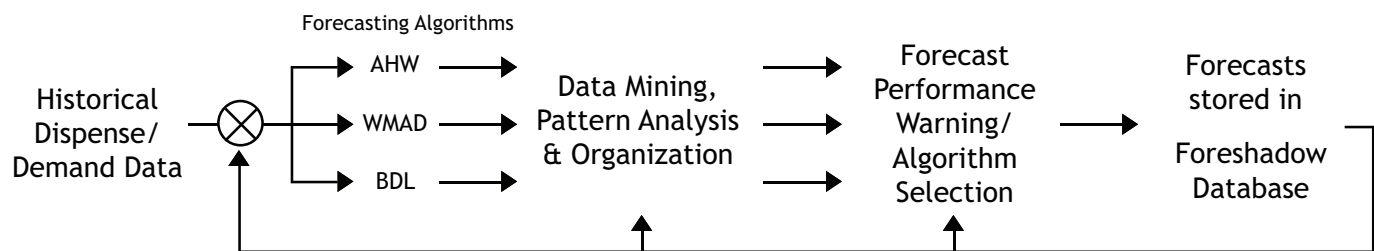
Furthermore, interest rates and lending costs from the carrier make excess cash-on-hand excessively expensive.

Flexibility in Deployment and Customization

Each of the core functions in the Foreshadow software suite is built as an independent module, allowing for seamless customization and substitution. This independence allows for Foreshadow to be deployed according to your organizations needs and network topology.

Distribute the business intelligence gathered by Foreshadow to branches, regional vaults, customers, retailers and transportation providers.

Deploy access for data optics to every level of the cash supply chain, using business processes and automation via internet/intranet, VPN or centralized application contexts. Deliver forecasts, schedules, balances, demand histories, warnings and reports and provide key managers and customers in the field with the resources to easily control cash-on-hand.



Demand Accuracy

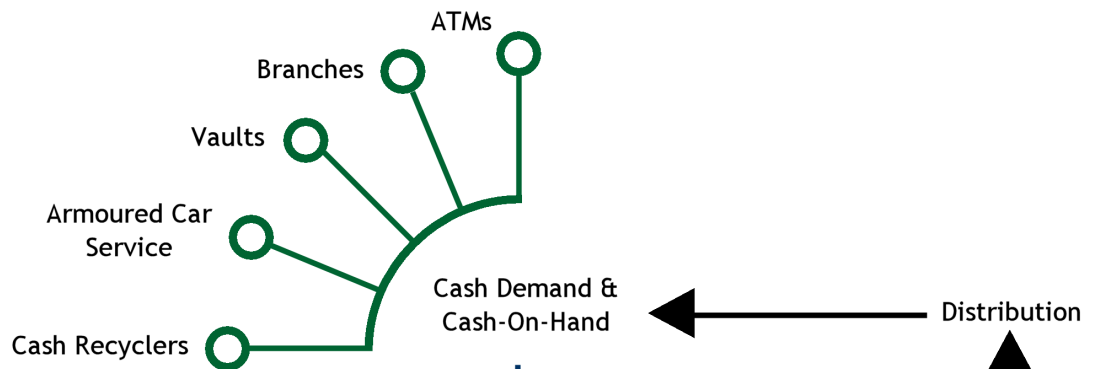
Our developers have been creating software-based forecasters and statistical analysis engines for cash supply management since 1996. This long history of innovation has forged real insight into how to successfully predict the future. As such, Foreshadow employs three independent forecasting protocols, each capable of recognizing trends in different fashions. For each forecasted entity, Foreshadow then dynamically selects the forecasting methodology best suited for forecasting demand on the entity. The result is a system that customizes its predictive insight for each and every data stream in the cash supply chain.

Experience in Risk Management

Foreshadow was specifically designed to minimize the cost-of-cash in high-risk ATM networks. As the social and political climate of a cash-point location can vary country-to-country, state-to-state or even street-to-street, controlling excess cash-on-hand becomes all the more important. Lowered holding ceilings can force an increase in scheduled loads, emergency cash loads and incurred costs but Foreshadow optimizes loading patterns and analyzes peak periods to minimize service of high-demand and high-risk cash-points.

Scalable Solutions for your Network and Customers

Built with the power for enterprise-wide management, Foreshadow leads the industry in cost-effective solution delivery. Highly focussed core modules ensure your resources provide the maximum return. Foreshadow's open architecture, data dictionary and leading forecasting intelligence deliver maximum leverage for decision support.



Demand the Future

Being able to peer into the future and predict trends in cash demand gives your business the intelligence and data optics necessary to head off extra expenses. Our fourth-generation demand forecasting solution provides forward-looking demand projections that work to quell costs while ensuring maximum network uptime. Automation of supply scheduling, shortage warnings, reconciliation, reporting and performance analysis gives your staff the tools and insight needed to minimize time-consuming tasks, while balancing delivery fees against the cost of cash.

Logistics & Logic

Built as a set of component modules, Foreshadow offers customization for processing and rules-based business logic at every level of the application. Stepping up to meet regional and national requirements and regulations, Foreshadow offers core and custom modules that enforce cash ordering, reporting and reconciliation policies across your organization, while creating a central knowledge base for network cash management.



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