

Ensure CIT routes are optimized for efficiency and timeliness.



Transport

Transport, part of the Vynamic™ Cash Management suite, controls and optimizes cash-in-transit (CIT) routes that integrate cash planning with route management. This integrated concept optimizes cash orders, routes and the allocation of vehicles. Transport helps to automate the allocation of routes by taking into account the general conditions of the delivery process (for example the possible number of cash orders per vehicle/route each day) and the available vehicles and teams. This can preempt peak requirements and reduce the fixed costs of standby transport capacities. In addition, this makes deliveries more timely and can reduce the effort for counting cash returns as well as further improve the quality of cash management as a whole.

OVERVIEW

- Automatic integration of cash and route planning
- Identification of time-critical orders
- Less risk of cash stockouts
- Quick and efficient route planning
- Optimal smoothing of transport capacity utilization
- Increase of in-time delivery

BENEFITS

- Additional cost savings in cash logistics
- Increased efficiency in cash and route planning
- Improved service levels in cash logistics

KEY FUNCTIONS

- Master data is managed for delivery locations, vehicles and routes, and orders are automatically distributed to certain vehicles and routes
- Route plans and delivery notes are automatically prepared and notified by e-mail, and the individual delivery orders are listed
- Planning is automatic and dynamic to prevent vehicle capacity bottlenecks
- Prioritized orders are flagged automatically
- Extensive calendar function is available to configure the availability and capacities of vehicles

Vynamic™ Cash Management/Transport

AUTOMATIC ROUTE PLANNING WITH ADDITIONAL WORKFLOWS

Transport makes route planning more efficient by integrating cash planning and route allocation. Advanced planning algorithms ensure that vehicle utilization is arranged in advance by optimally distributing the delivery orders, thus reducing both capacity and cost bottlenecks.

ROUTE AND VEHICLE DISPOSITION

On the basis of confirmed delivery orders, Transport automatically calculates dynamic route plans using specified transportation route-schemes that are carefully optimized every night in the course of batch processing:

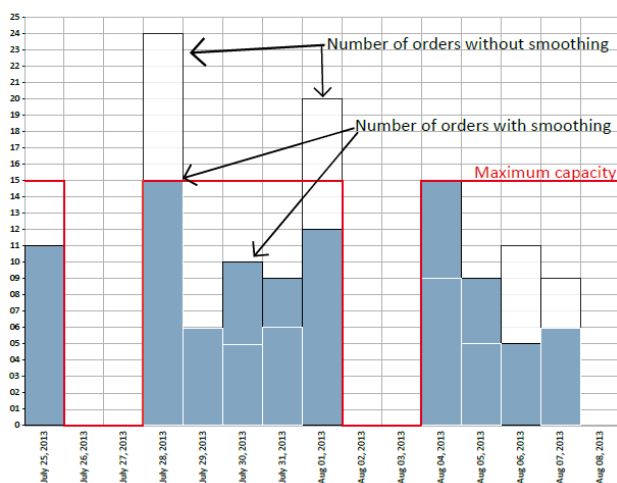
- Route and vehicle dispositions are generated automatically for cash delivery orders
- The automatically generated routes can be adjusted manually in a flexible manner
- Route documents are automatically generated and dispatched
- Automatic messages ensure that routes are complete

ORDER SMOOTHING

To prevent overloading of transport capacities, it is necessary to shift, within reasonable bounds, some orders that have been planned by Planner. The cost-optimal route smoothing chart gives an overview of the effect of order smoothing and helps to analyze potential capacity bottlenecks:

- Orders can be shifted cost-optimally to avoid transport capacity overruns
- Long-term optimization and smoothing of capacity utilization and regions over time
- Warnings are issued if capacity overruns become inevitable

Horizon for order smoothing (10 days)



Advantages:

- More even utilization of CIT capacities
- Increase of in-time delivery

Benefits:

- Cost cuts due to reduced utilization of peak capacities (vehicles and overtime)
- Better service quality, less risk of cash stockouts, reduced cash returns in cash center
- Fewer replenishments at peak times (e.g. before/after weekends or paydays)

AUTOMATIC PRIORITIZATION

Transport automatically identifies orders which, according to the data from Planner, absolutely must be executed on time to make sure there are no cash stockouts or high cash returns:

- Priority orders are flagged automatically
- An overview of time-critical orders is given in the order management and route planning workflows
- Route plans are notified automatically by e-mail

Advantages:

- Daily route planning is made easier as orders that are not time-critical can be shifted to an earlier or later time without difficulty.
- As time-critical orders are executed in good time, there is less risk of cash-stockouts and fewer backflows occur.
- No time-critical orders are overlooked

Benefits:

- Costs for counting cash returns are lower
- It takes less effort to compile the relevant communication of routes

CLOSED-LOOP ROUTE MANAGEMENT

Transport also effectively monitors implementation of the plans by comparing the confirmed routes with the orders actually executed (done, done differently, ignored).

CTRANSPORT REQUIREMENTS:

- Basis
- Planner
- LiveInventories

DIEBOLD NIXDORF VYNAMIC SOFTWARE

DN Vynamic is a powerful software portfolio that enables financial institutions to eliminate friction to transform the user experience and the operation. Flexible and adaptable, DN Vynamic is built to align with how financial institutions operate and are bundled to support the modern banking environment including channels, payments, engagement and operations.

Vynamic Cash Management, also known as CCO - Cash Cycle Optimizer, is offered in partnership with planfocus software gmbh.