

ATM PLANNER

SOLUTION OVERVIEW

ATM Planner has been specifically developed to address the complexities associated with the cash replenishment and service related activities of ATM management.

The solution enables unique demand planning principles and the effective planning and management of all transportation and resource planning activities that occur within the ATM cash replenishment process.

Furthermore, the solution uniquely supports near real time plan updates and rescheduling to assist planners in modifying routes as and when changes are encountered throughout the day. The solution enables supply driven replenishment as well as demand driven replenishment thereby increasing response times, improving ATM availability and reducing overall logistics costs.

FUNCTIONAL OVERVIEW

The solution delivers the following high level functional capabilities:

- **MASTER DATA ADMINISTRATION**
- **USER PROFILING AND ACCESS CONTROL** Role definition and control of access to key functionality
- **VEHICLE CONFIGURATION** Specification of vehicle configurations, capacities and costs.
- **ATM** Location details and operating hours.
- **CASH CENTRE** Location detail, operating hours and vehicle turnaround times.
- **TERRITORIES** Provides the ability to constrain and control route optimisation.
- **ORDER TYPES** Defines various products and services being planned and associated time constraints and priorities to be adhered to, by the planning algorithm. Cost profiles for services and operational activities.
- **JOBS** Daily orders and services to be planned and executed. Service priority management.
- **DEMAND PROFILES** ATM demand profiles and replenishment triggers. Individual ATM forecasts and inventory management. Demand group management.

SERVICE / DEMAND PLANNING

- Supports both manual capture of orders / services as well as third party integration to order management /forecasting systems.
- Users can apply demand or supply driven methodology or a combination of both.
- Provides the capability to optimise and manage resources and services across a shared service, multi party operation.
- Provides the ability to divert orders or add last minute emergency orders/services.
- Provides visualisation of outstanding service requirements.
- Manages replenishment planning at a demand group level.
- Map based visualisation of ATM / Service locations.

SCHEDULED JOBS

ATM	CASH CHECK	LAST	ICC+FAULT	LAST	PLANNED MAINTENANCE	LAST
ATM 1 - 12 SMIT STR	0		0		0	
ATM 23 - 1 JONES	2	2013-11-19	0		0	
ATM 399987 - 12 END CRESCENT	2	2013-07-02	2	2013-11-18	0	

▶ ROUTE PLANNING CAPABILITIES

- Users can dynamically plan operational routes at the start of the day that adhere to the constraints defined within the system. • Routes are calculated using street level road information and travel times. Route information and summary information regarding travel times, off load times and travel distances are provided to the user in graphic and tabular formats. • Vehicle Multi tripping is supported in the planning process.
- Users can modify and edit route plans. • Based on users' interaction and status updates, routes can be re-optimised in near real time on rules and constraints. • System supports order profiles of "Can Go", "Must Go" and "Must Go First" logic to enable service level optimisation over typical basic logistics cost drivers. • Route times can be controlled at a vehicle level or global constraint. • Vehicle cash carrying capacities can be modified to support varying cash insurance limits through the month.



ROUTE 2313 MID CITY

TOTAL ORDERS	26
CASH DROPS	18
R5,460,000	
CASH PICKUPS	1
FAULTS	1
CASH CHECKS	3
INDEPENDENT	
CASH CHECKS	2

ROUTE 2314 SOUTH CITY

TOTAL ORDERS	22
CASH DROPS	16
R4,360,000	
CASH PICKUPS	0
FAULTS	1
CASH CHECKS	3
INDEPENDENT	
CASH CHECKS	1

ROUTE 2315 NORTHERN RUN

TOTAL ORDERS	16
CASH DROPS	16
R4,220,000	
CASH PICKUPS	0
FAULTS	0
CASH CHECKS	0
INDEPENDENT	
CASH CHECKS	0

▶ BUSINESS BENEFITS

- Typical reduction in logistics and distribution costs of between 10% and 20%.
- Improves service level adherence and ATM availability.
- Adopting a demand driven replenishment philosophy improves agility and responsiveness and ultimately reduces the likelihood of cash outages at ATM's and reduces the time to rectify such instances.
- Provides a single system to manage both cash replenishment but also service related activities.
- Reduces the likelihood of scheduled recurring services being neglected.
- Optimisation logic employed can assist with the reduction of staff overtime related to services which can be rolled over to future days/shifts for action.
- Provides a visual representation of logistics functions identifying overlaps and blatant inefficiencies.



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