

Product Information

Descartes Route Planner RS™



Driving Down Route Costs

Determining how to efficiently deliver orders while maximizing customer service is difficult. But the relationship drivers develop with their accounts also impacts route efficiency. Routing solutions need to balance service levels and delivery costs, while respecting established contacts. They should consider route distances and resulting fuel usage, stops per route, customer responsiveness, capacity and utilization.

Descartes Route Planner RS meets these requirements and builds optimal plans based on available routes, fleet resources, and field personnel. As part of the Descartes Delivery Management™ Suite, it is an easy-to-use, easy-to-deploy application with a proven track record of delivering results. It integrates with the strategic planning and dispatching functionality of the other Descartes routing applications.

Local Power

Descartes Route Planner RS is geared to organizations that need to quickly route large batches of order just-in-time to hand off to the warehouse; would like to run the software in-house and would like the option to add automatic vehicle location (AVL).

A recognized innovator in delivery management, Descartes has offered market-proven routing and scheduling solutions for over 20 years. With extensive logistics expertise and a leadership tradition in wireless and messaging, Descartes has deployed advanced delivery applications at over 700 companies.

Descartes' customers have enjoyed such benefits as a 10% to 20% increase in completed daily deliveries, a 10% drop in fuel consumption, and a 20% improvement in vehicle utilization.

Improve Driver Quality

Descartes Route Planner RS helps better align deliveries and schedules to improve vehicle utilization and increase route productivity.



Descartes Route Planner RS helps improve operational efficiency through better route development. Leveraging market-proven algorithms and geographic network modeling capabilities, it can enhance the order fulfillment process while reducing costs with shorter routes, reduced fuel consumption and enhanced fleet utilization. A desktop solution, it supports a wide range of business environments.

Summary

Benefits

Descartes Route Planner RS helps:

- Reduce operating costs by:
 - Decreasing expediting costs and overtime charges
 - Enhancing fleet capacity utilization
 - Improving time-window management
 - Minimizing distance traveled, stop duration, and fuel usage
 - Reducing fleet size necessary to service orders
- Enhance customer service and retention by:
 - Facilitating arrival and departure times

Features

Fixed or Dynamic Routing. Determines best resources (truck and route) to use, and recommends an order sequence. Users can select optimization criteria including lowest cost or shortest routes, or shortest distance between stops. Considers such factors as the cost per stop, route, and customer. Incrementally slots new orders.

Robust Yield Management. Enables users to achieve greater operational efficiencies by identifying and prioritizing the most profitable routes, orders, and customers. Improves truck utilization, time-window management for improved customer service, and drive time.

Constrained Optimization. Considers customer requirements, contracts, and prospective business in route and resource assignments. Provides insight needed to evaluate the impact of new business opportunities and bid appropriately. Evaluates feasibility of servicing new business and new markets.

Geographic Intelligence (option). Employs an extensive digital road network to support street-level optimization. Provides more accurate drive time calculations than traditional point-to-point estimates. Yields precise arrival estimates, route assignments, and performance metrics.

Flexible, Rapid Implementation. Uses a proven ability to rapidly integrate to both legacy and packaged solutions and can deliver a rapid return on investment typically in months, if not weeks.