

Tactical Routing

The leading tactical transport optimization solution



Solution ORTEC Tactical Routing

ORTEC

How do we deploy our fleet with optimal efficiency?

Challenges

The logistics sector is constantly under pressure due to growing complexity and rising costs. Combine this with a need to shorten delivery times and, occasionally declining volumes caused by economic crises, and you get an aggressive competitive landscape. The continued ability to meet your customers' needs is crucial to retain your share of the market. Better still: why not exceed these expectations with a level of service that sets you apart from the competition?

Intelligent route planning can help you achieve significant improvements in these areas. It helps you answer questions like: how do I ensure my routes are planned with optimal efficiency? What are the optimal delivery dates and times for my customers? How do changes impact my planning, such as rapid growth in delivery frequency or orders? How can I measure the benefits of potential collaborations with other parties?



All of these questions fall under the same umbrella: how do we deploy our fleet with optimal efficiency? Your focus should be ensuring the highest possible degree of vehicle utilization and driver productivity, while balancing customer satisfaction and cost control. Only then can you succeed in your sector.



Parcel/Express



Distribution



Bulk/Liquid



Gas



Retail



Consumer packaged goods

e^x

$\frac{1}{\pi}$

π

ORTEC



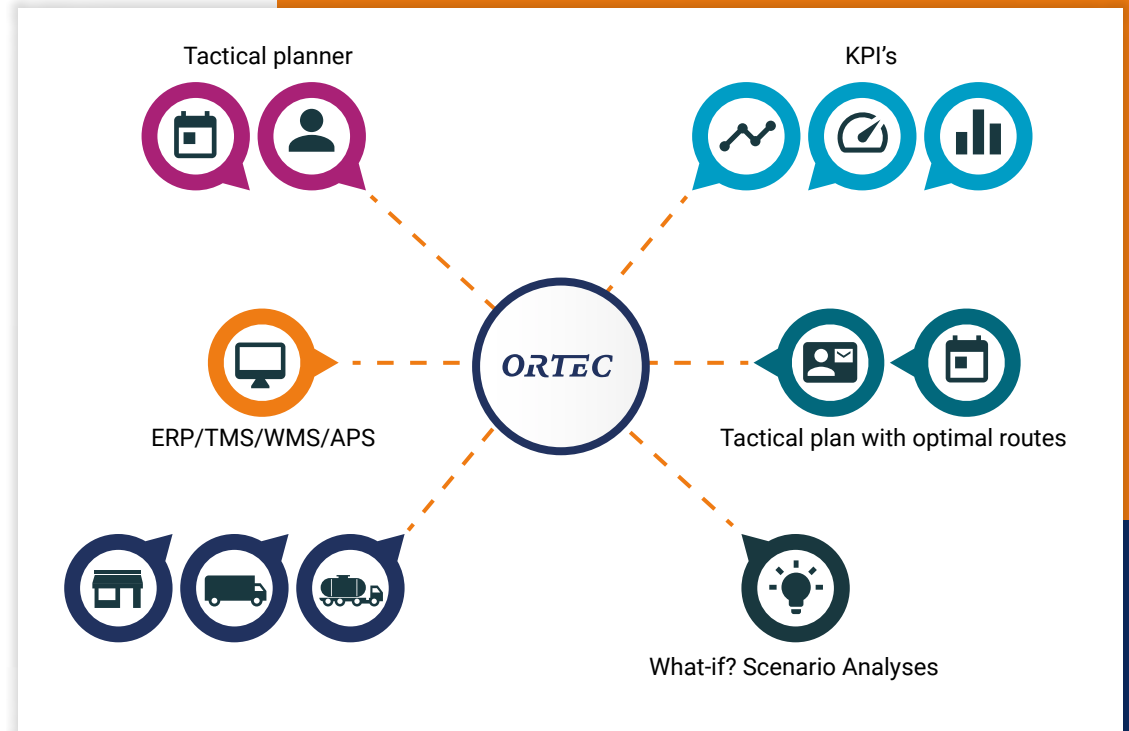
A master plan for different regions or a longer planning period

Solution

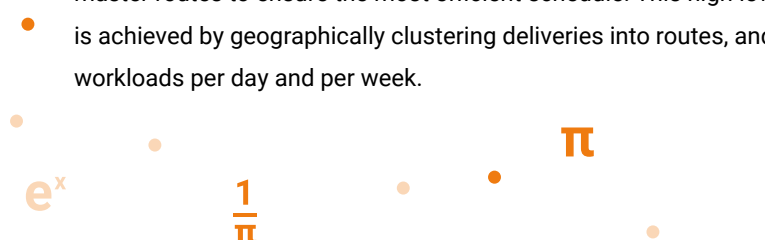
ORTEC is here to help you address these issues. With years of planning experience in the transport and logistics sector, we can offer a broad range of flexible solutions. ORTEC Tactical Routing is one such solution, used by industry leaders to achieve operational excellence.

ORTEC Tactical Routing helps you create a master plan for different regions and/or a longer planning period. The system helps you reduce real operational costs while ensuring your customer goals are met.

ORTEC Tactical Routing creates well-balanced distribution and collection zones. It divides deliveries over the scheduling period, and tactically determines the best master routes to ensure the most efficient schedule. This high level of efficiency is achieved by geographically clustering deliveries into routes, and evenly dividing workloads per day and per week.



Tactical routing and optimization in Transport and Distribution



Characteristics

ORTEC Tactical Routing creates a tactical plan for your deliveries or collections. The application consists of three functionalities that can be combined or used individually.

1. Territory Optimizer

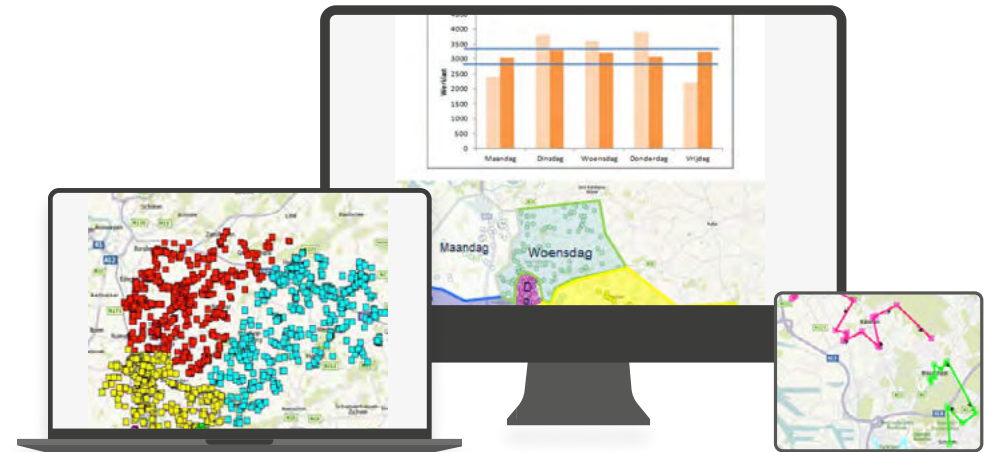
- Creates distribution and collection zones
- Balances the workload distribution over various territories
- Creates more efficient routes with geographic clustering

2. Visit Day Optimizer

- Calculates optimal delivery days and weeks
- Divides workloads evenly over a scheduling period
- Manages variable schedule periods – ranging from a week to a year

3. Routing

- Creates optimal master routes based on the selected territories and scheduling periods



Assign locations to regions/resources

Balance workload for the planning period

Calculate optimal routes



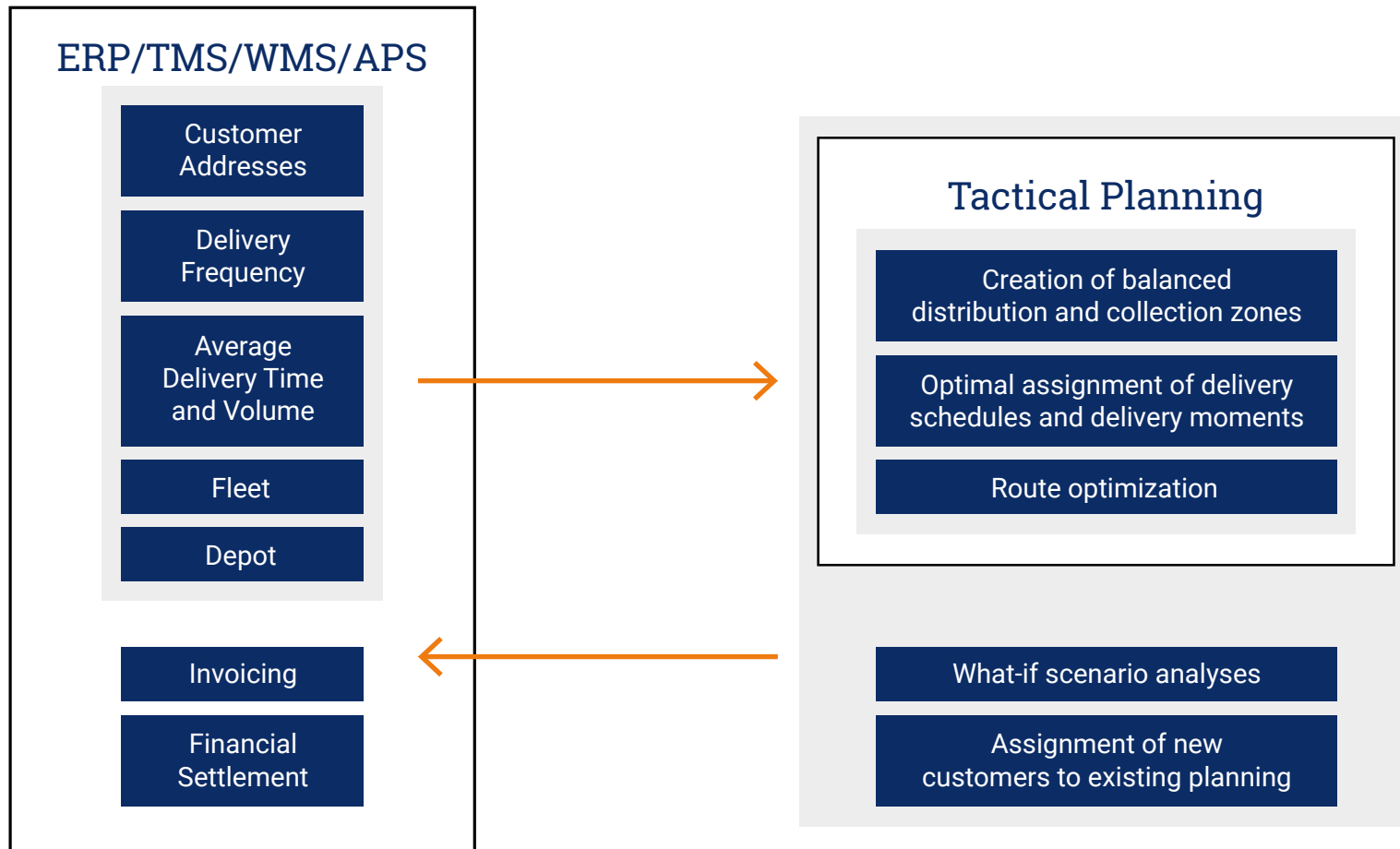
Additional features

ORTEC Tactical Routing helps you create tactical routes. The solution can accommodate your wishes and requirements, and those of your customers.

- ORTEC calculates the most efficient master routes, ensuring the optimal utilization of your fleet and working hours.
- The system calculates optimal delivery days for non-daily deliveries. Work is divided evenly over the days of the week. Visits to multiple locations in the same area are scheduled for the same day.
- The system can also create distribution and/or collection zones and divide the workload evenly. These zones can be the basis for your master routes. The use of zones also offers the additional benefit that drivers will become accustomed to a specific area and the customers within it.
- You can determine which delivery days you offer the client, and they can choose their preferred day.
- The system takes a broad range of factors into account, such as vehicle capacities and permitted vehicle types, delivery times, the desired amount of time between deliveries, opening hours, working hours, driver-customer relationships, and overtime and delivery agreements.
- State-of-the-art maps offer immediate insight into customer locations and schedules.
- Scenario analyses help you gain insight into the effects of potential policy adjustments. The system allows for easy comparison between various scenarios. For example:
 - How will my fleet configuration change if I expand my customer base?
 - Can I deploy my fleet more efficiently by adjusting working hours?
 - Can I benefit from changing the frequency of deliveries per week?
- The default graphical user interface (GUI) can be easily configured to your specifications. If required, you can create your own screen layout to display information in a specific way.
- ORTEC Tactical Routing can be combined with ORTEC Routing and Dispatch, our operational scheduling and dispatching software solution. ORTEC Routing and Dispatch helps you respond to dynamic day-to-day situations, such as ad-hoc orders, delays, and employee leave requests.



ORTEC Tactical Routing



Your benefits

- ORTEC Tactical Routing helps you achieve compelling results with optimal schedules.
- More cost-efficient routes that help you cut back on time and distances traveled, as well as working hours
- CO₂ reduction through lower overall distance traveled, contributing to your sustainability targets.
- Do more with the same amount of resources and optimize the configuration of your fleet.
- Offer your customers the highest level of service with accurate and reliable delivery appointments.
- Solve complex problems in less time by comparing various scenarios. The scenario analysis functionality offers a crucial advantage in any key decision making process.
- Reduce the amount of time needed to create a schedule.
- Deploy drivers based on a realistic and feasible schedule.
- Gain flexibility and get more options to meet stringent service requirements.
- Limit the use of subcontractors during peak periods with more efficient fleet deployment.
- A fair distribution of work that results in a reduction of overtime payments.

“ *Our distribution process has become much more efficient. As a result, we are able to deliver to more customers with the same number of vehicles.* ”



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