



Resource planning and optimization for **Transport and Logistics**

Improved routing, loading and scheduling

ORTEC Solutions can equip your business to manage challenges successfully

Challenges

The transport and logistics industry is unique in having to react quickly to the current economic, political and social challenges in the marketplace, such as:

- Volatile fuel prices
- CO₂ emission reduction
- Changing labor rules
- Increases in customer requirements and expectations
- Decreases in customer loyalty

In order to remain competitive, transportation companies and logistics service providers are focusing their efforts on:

- Reducing costs and improving service
- Improving and centralizing ICT to enhance customer service
- Prioritizing the ROIs that will deliver the most significant results

During slower economic periods or even during restructuring programs transport and logistics companies are re-planning for future growth and optimizing resources and fleet structure. ORTEC has years of experience in assisting the logistics industry with these types of planning activities and its solutions are reliable, adaptable and easy to use.

Solution Suite

ORTEC's Solution Suite for the transport and logistics industry offers significant benefits in the areas of:

- Vehicle Routing and Dispatch
- Workforce Scheduling
- Pallet and Load Building

Proven solutions for all subindustries

- Distribution
- LTL Groupage
- Container Trucking
- Intermodal
- Post and Express
- Tank and Liquid
- Car Transport

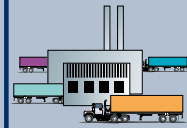



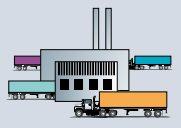





“Over the past few years, we have clearly discovered that ORTEC’s Load Optimization Solution pays for itself”

Logistics Service Provider DB Schenker



Overview of ORTEC Solution Suite for Transport and Logistics

Impact level	Strategic	Tactical	Operational	Real Time
Resources to cover				
Key Planning Activities	<ul style="list-style-type: none"> Number of locations Size of outlets and DC's Assignment of product groups to DC's 	<ul style="list-style-type: none"> Seasonal patterns Frequency scheduling Fleet size optimization 	<ul style="list-style-type: none"> Daily volumes and orders Optimal dynamic route planning Optimal load plan Planning known and unknown pickups 	<ul style="list-style-type: none"> Dispatching Integration with on-board computers Instant re-planning of started route Visibility of consequences for planners Real-time alerting Ad-hoc orders + changes
Solutions				
	ORTEC Consulting			
	ORTEC TRP*		*Tactical Route Planning	
	ORTEC Loadbuilding			
	ORTEC Workforce Scheduling			

ORTEC's integrated Transportation and Logistics Solution Suite

“We generate more business with less capacity using ORTEC’s Transportation and Distribution Solution”

Nabuurs Transportation



Leading industry solutions with extensive functionality

Key features of ORTEC's Vehicle Routing and Dispatch Solution:

- Flexible resource planning of truck, trailer, driver, chassis, container, etc.
- Order splitting into multiple parts and clustering multiple orders together
- Multi-location management of orders and resources; for DC's, cross-dock and regions
- Routing and Distribution optimizer
- Distribution optimizer
- LTL and FTL optimization
- Compartment planning
- Real-time workflow management and dispatching
- Event, alert and issue management
- Central handling of ad-hoc changes of multiple users in multiple locations

Key features of ORTEC's Workforce Scheduling Solution:

- Labor and demand forecasting
- Task management
- Labor rules checking and pay-roll preparation
- Optimization engine to automatically create efficient schedules

Key features of ORTEC's Pallet and Load Building Solution:

- Stackability matrix
- Axle weight constraints
- Centre of gravity calculation
- Load plan editor

Added value of ORTEC Suite for Transport and Logistics

- Combination of batch planning optimization with real-time execution and dispatching
- Combination of transport optimization with Loading Optimization, Workforce Scheduling or tactical Route Planning
- Strong optimization engines for distribution, bulk planning and intermodal routing of transport
- Real-time KPI-monitoring and connections to ERP, TMS, GPS and mobile devices, including tracking and tracing and ETA calculations
- Support for all types of transport structures, including: express; groupage and distribution; international freight; container trucking
- Central data environment for multiple divisions and departments
- Central planning of all users in a sole department or division with the ability to share and allocate resources

“Results of our partnership with ORTEC are very promising”

Marco Hendriks - TNT Express



ORTEC's best-of-breed solutions reward businesses with excellent benefits

Benefits of the Vehicle Routing and Dispatch Solution:

- Reduced mileage, fuel expense and overtime
- CO₂ emission reductions
- Increased profitability
- Improved customer service

Benefits of the Workforce Scheduling Solution:

- Maximized driver productivity as a result of more efficient driver schedules
- Increased driver satisfaction

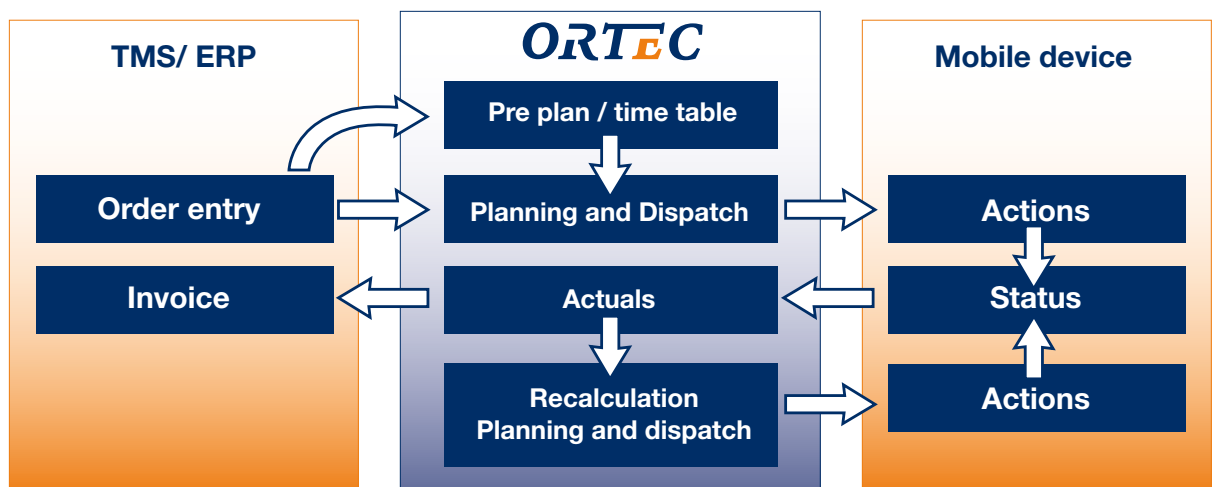
Benefits of the Pallet and Load Building Solution:

- Increased sales
- Improved service level agreements
- Reduction in split

Why choose ORTEC as your solution provider?

The answer can be found in the following company achievements:

- A clear vision on processes and roadmap for the Transport industry's software solution requirements
- Yearly upgrade releases based on the newest technology and through continuous development
- Combined optimization of loading, workforce and vehicles
- Solutions that cater for transport challenges such as: intermodal; container trucking; and post and express
- Track record of over 28 years experience
- Largest supplier of resource planning and optimization solutions for Transport and Logistics



ORTEC Vehicle Routing and Dispatch Concept

About ORTEC

ORTEC is one of the largest providers of advanced planning and optimization software solutions and consulting services. Our solutions result in optimized fleet routing & dispatch, vehicle and pallet loading, workforce scheduling, delivery forecasting and network planning. ORTEC provides both best-of-breed, custom made and SAP® certified solutions, supported by strategic partnerships. ORTEC has over 1250 customers worldwide, 700 employees and several offices in Europe and North America, Asia and the Pacific Region.



Customers

ORTEC's Solutions are being used by companies all over the world. Our solid customer base includes:

Shippers:



Carriers:



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