



Resource Planning and Optimization
for Oil, Gas and Chemicals

Improved Cash Flow and Lower Operating Costs

“ORTEC provides integrated distribution and inventory management solutions”

Challenges

As a distributor in today’s Oil and Gas industry, it is important to respond swiftly to:

- market changes and operational events;
- escalating fuel prices;
- strong competition.

To achieve this, your replenishment planning and delivery transportation need to be optimal. You must react quickly and effectively to daily occurrences but also focus on long-term goals. In order to remain strong, you are constantly looking for new and better ways to lower your costs and improve your margins.



ORTEC solutions

In one integrated software environment, the ORTEC solution suite meets your needs for:

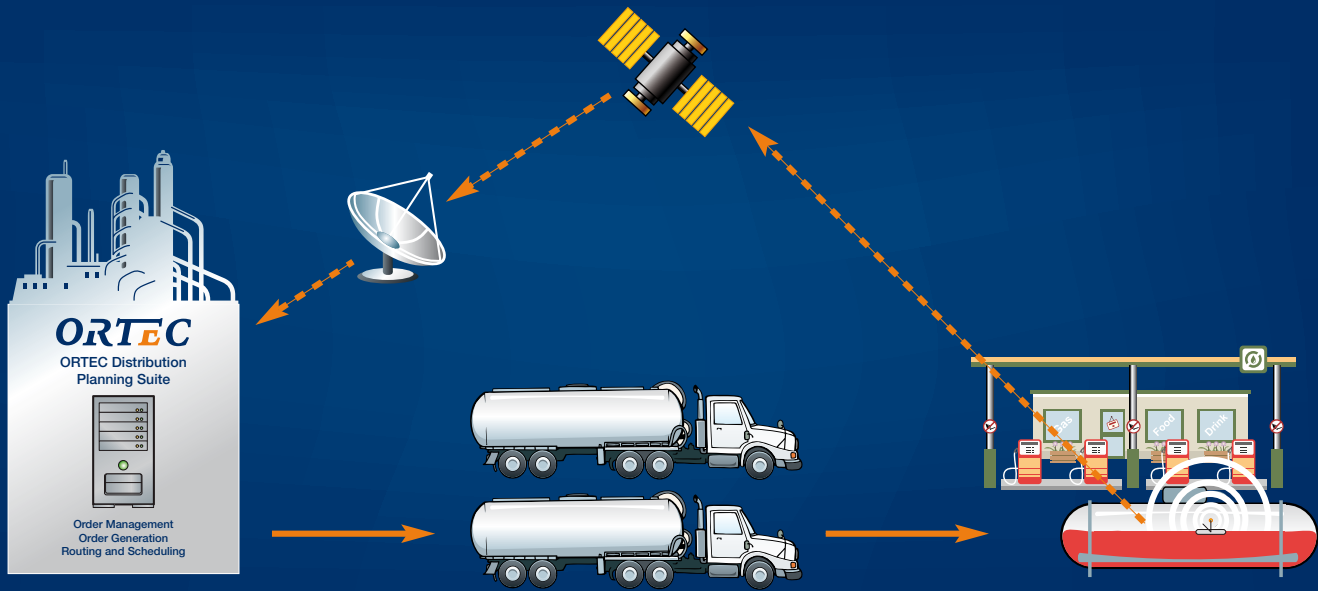
- Demand Forecasting and Order Generation
- Vehicle Routing and Dispatch
- Real Time Monitoring and Event Based Planning
- Interfacing to all common back office systems (incl. SAP), Telemetry and Mobile Computing solutions
- Workforce Scheduling

We offer a mix of standard software and services (consulting, implementation, training and support), all fully tailored to tackle the specific characteristics of companies business processes and IT infrastructure.



“By deploying our knowledge and solutions, our customers achieve considerable savings”





Overview of integrated ORTEC solutions for Demand Forecasting, Order Generation and Vehicle Routing and Dispatch.

Key Features

- Centralized planning and optimization
- Multi-depot / multi-day planning
- Average stock and utilization per day of week and product
- Alerts, for low inventory, violations, delivery delays
- Distinction between “must-go” and “may-go” orders
- Multiple products and tanks per customer
- Flexible resource, customer, product, and equipment restrictions
- Compliance with dangerous goods regulations (ADR, HazMat)
- Balanced Period Scheduler (for balancing seasonal demand)
- Dynamic supply sourcing and reloading, based on product and transportation costs
- Compartmentalized trailer optimization
- Propose Best Solution for event-based planning
- Flushing and cleaning rules
- Digital road network facilitating Track & Trace



“Savings of 5 - 15% in secondary distribution costs are typically generated within months of deployment”

Benefits

Increased revenues:

- Increased delivery size
- Timely and accurate deliveries leading to higher customer satisfaction

Lower costs:

- Lower distribution costs
- Reduced number of deliveries
- Lower average stocks
- Out-of stock situations eliminated
- No oversized deliveries and “no fits”
- Reduced fleetsize
- Shorter planning times

Better quality and a more easy way of working:

- Centralized and automated planning process
- Proactively managed demand fluctuations
- Balanced transport throughout the week
- Optimized balance between service levels and product delivery costs
- Automation of data flows and data storage
- Improved visibility and communication
- Efficient management of operational events

Customers

ORTEC solutions are being implemented worldwide. With over 15 years of experience in the Oil and Gas Industry, ORTEC's customer base of industry leading companies provides a strong foundation for ongoing compliance with industry trends.



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 1000 customers worldwide, 700 employees and several offices in Europe and North America.

“ORTEC solutions enable customers to realize unique opportunities”

Results

The entire inventory cycle in control

The value of an automated replenishment solution is to generate optimized orders on a just-in-time basis while smoothing the daily variations in your transportation demands. The ORTEC solution uses sophisticated forecasting so orders are created in compliance with customer’s requirements, including delivery windows, seasonality, customer demand per time and day of week, truck capacity restrictions and safety stock levels. In effect, the solution allows to ensure that your customer is never out of stock. It is a powerful approach to efficiently control stock at the customer site while offering greatly enhanced service guarantees. Whether planning today for tomorrow, this week for next week, or weeks at a time, ORTEC can handle it.

Optimized distribution

To plan deliveries, optimized routes are generated using advanced algorithms tailored for Oil and Gas. Orders are placed on available trucks to minimize transportation costs and to comply with company objectives. The solution takes into account a wide range of restrictions, including resource availability, axle weights, loading restrictions, priorities, compartment rules and product

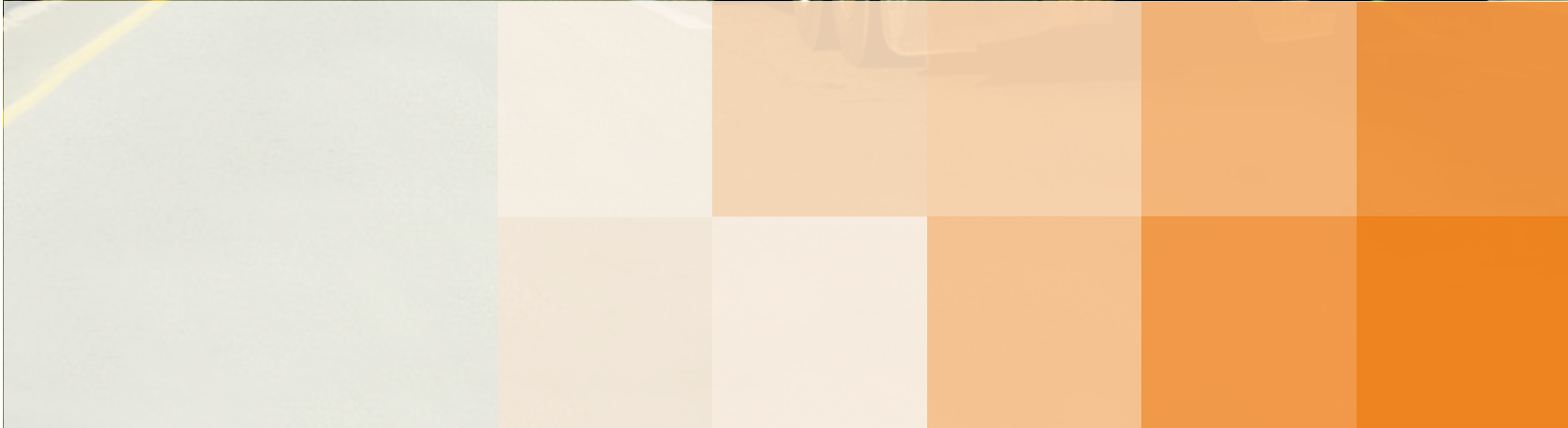
prices and constraints. Whether you are a fuels distributor facing demand peaks on certain days of the week, or a gas distributor facing strong seasonal demand, ORTEC software will create schedules that balance workload over time so you don’t need to worry about resource surpluses or shortages. Even with strict regulations and business requirements, our software will help to find those great savings opportunities.

Optimal Plan, Excellent Execution

ORTEC solutions are flexible and user-friendly. You can easily generate, evaluate, adjust, review and export orders, routes and schedules. Communication with truck handheld units and stock level systems allow to make adjustments based on the latest information. The ORTEC solutions will find the best scheduling alternatives for you. You can monitor the impact on your Key Performance Indicators when manual changes are made. The tool can be implemented centrally to facilitate and coordinate your logistics processes across multiple business units and countries. ORTEC takes into account that even an optimal plan can be far-off from daily operations. Therefore our software is designed to minimize operational efficiency gaps and allow you to achieve excellent execution.

“We believe in a tighter integration of order forecasting and fleet routing to optimally determine where, when and how much to deliver”





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