



SUPPLY CHAIN PLANNING AND OPTIMIZATION SOLUTION

FOR RETAIL OPERATIONS



Ab Ovo is a platinum DELMIA Quintiq partner with 110+ specialised consultants with a global customer footprint.



STRATEGIC PLANNING:

You get simulation and decision support to make the best possible network design decisions



TACTICAL PLANNING:

Look ahead weeks or months to generate a store replenishment plan based on historical and forecast volumes, taking into account resources and availability, distribution network capacities and agreed customer delivery windows resources.



OPERATIONAL PLANNING:

Generate effective plans on a daily basis, either fully dynamic or based on the tactical plan tactical plan.

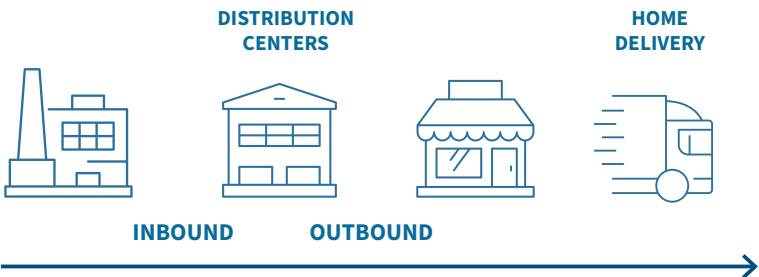
ESCALATING RETAIL COMPLEXITY

In retail, challenges never seem to end. Margins are under constant pressure and consumers demand more buying options. Making products available through home delivery, pickup points, and in convenience stores adds extra layers of complexity to the supply chain, yet customers expect the same or better holistic experience across all touch points.

OPTIMISES SUPPLY CHAIN WITH ORDERBASED ROUTING

Ab Ovo believes that when planning operations, it is critical to use planning software that exactly fits the planning puzzle. Planning fragments of the business separately or planning with generic rules typically results in cost buffers, failures and missed potential. DELMIA Quintiq Logistics Planner solves every single planning and scheduling problem using a single standard software package. Exact business logic and rules are defined in the system to ensure a 100% operational fit. No compromise. We're here to help.

ALL PLANNING LEVELS OF THE SUPPLY CHAIN IN A SINGLE PLATFORM



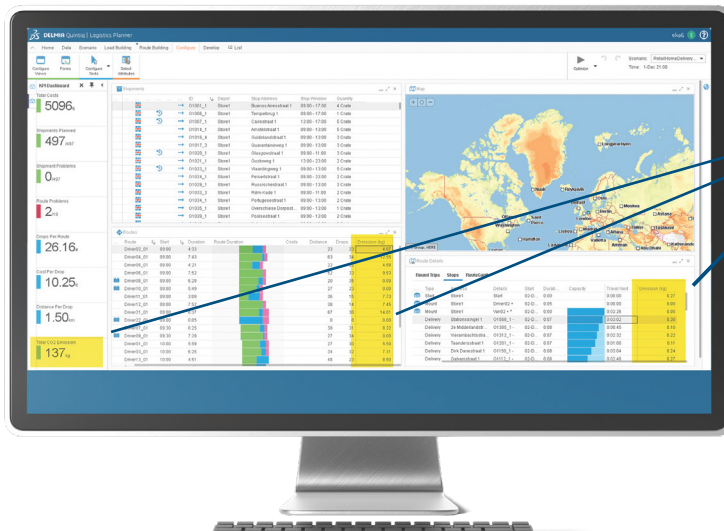
Strategic	☑Network design ☑Scenario comparison			
	☑Network optimization ☑Sourcing planning ☑Intermodal transport planning ☑Return freight logistics	☑Cross-docking management ☑Lane/dock planning ☑Shift requirements planning ☑Inventory management	☑Mater route planning ☑Reverse logistics/backhaul ☑Resource planning ☑Carrier management	☑Tactical route design ☑Resource planning ☑Pricing strategy (+active demand shaping)
Operational	☑Resource scheduling ☑Carrier management ☑Consolidation ☑Dock scheduling	☑Inter-DC transport ☑(Store oriented) picking and pallet building ☑Workforce scheduling ☑Lane scheduling	☑Route scheduling ☑(Preferred) Time windows ☑Compartment building ☑Dock scheduling	☑Static/dynamic route scheduling ☑Resource scheduling ☑Dynamic pricing
Execution	Event Management			

KEY PLANNING CAPABILITIES

- Building waves to stores, prioritizing inventory
- Managing bottlenecks in cross/loading docks
- Efficient use of human resources
- Full loads and multi-drops
- Routes, network and depot operations are coordinated real-time.
- Detailed street level planning
- Urban emission control zones
- Multi-temperature compartment rules
- Multiple pickup and delivery windows
- Backhaul and returns
- Adhere to driver regulations

SUSTAINABLE PLANNING

CO2 emissions are estimated as part the planning process and can be set as a KPI goal. Electric Vehicles are planned for available range, with charging infrastructure details and charge actions scheduled as necessary.



CO₂ and Electric Vehicle Support

KEY TAKEAWAYS

Reduce Cost to Serve

- Improve routes to decrease mileage and resource costs
- Deliver Dynamic pricing, delivery window models and delivery methods for optimal business profit

Increase Customer Satisfaction

- Create feasible plans that maximize customer fulfillment
- Match customer demands and available capacity to increase service delivery level

Optimize Replenishment & Inventory

- Network optimization
- Omni-channel inventory and replenishment optimization
- Plan around urban regulation

Sustainable Deliveries

- Carbon footprint monitoring & reporting
- End-to-end transparency of emissions
- Plan for EV range & charging

SUSTAINABLE IT SOLUTIONS

CREATING A BETTER WORLD

Sustainability is in the DNA of Ab Ovo. At Ab Ovo, we strongly believe in creating a better world together and we are committed to supporting our customers to become continuously more efficient and sustainable.

We do not only provide our customers with sustainable technology solutions, but we also want to be a sustainable technology company ourselves. That is why we take a critical look at our footprint, designing our energy consumption and our business processes as sustainable as possible. For this we use the CO2 Performance Ladder. This is a measuring system that helps organizations to reduce their CO2 emissions in a structural way.



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