

ORION

For order generation and inventory management

ORION is a powerful planning tool that enables you to implement Vendor Managed Inventory agreements and control the stocks at your customers. Besides these direct bottom line efficiency savings, ORION will give you the opportunity to offer your customers greatly enhanced service levels. In effect, you take over the responsibility to ensure that your customer is never out of stock. The increased service levels might lead to a possible premium, but maybe more important is the resulting increased loyalty of your customers.

Order Generation

Based on a history of deliveries (drops) and stock levels (dips), ORION generates orders at the moment one of the customer's tanks reaches its critical stock level. The system has various forecasting algorithms in order to fit best the different customer groups (i.e. small bulk, large bulk). ORION provides 3 alternative methods of obtaining this data to generate the orders:

Tank gauging: Digital tank gauging provides facilities to automatically poll stock levels of every tank daily, allowing very accurate calculations of the daily demand.

Manual tank dips: When a delivery is made to a customer, the driver takes product stock levels (dips) before and after the drop. These manual dips are used to determine the demands.

Sales: This method uses the sales data of the product to generate orders. This can be provided manually or by polling the customer point of sale.

References

Gas Business

- BP LPG
- GALP Gas

Oil Business

- BP
- Total
- GALP Energia
- Kuwait Petroleum
- GULF

Advanced Forecasting

The forecasting algorithm to generate orders takes into account the following aspects:

- Opening & closing period of customers
- Calendar events, e.g. Bank Holidays, Christmas etc.
- Seasonal profile
- Flexible delivery period (e.g. 4, 72 or 120 hours)
- Demand profile per day of the week
- Minimum & maximum drop size
- Safety stocks based on volumes and/or days sales
- Opening and delivery hours of customers

Why ORION

- Increase of service levels
- Increase of customer loyalty
- Increase of drop size, up to more than 30%
- Smoothing workload
- Smoothing transport demands
- Reduction of working capital
- Enhanced marketing possibilities



Integrated Solutions

ORION is part of our modular built Logistic Solutions. These modules can be used either stand-alone or integrated, by one or multiple users.

We provide solutions for:

- Inventory Management & Order Generation
- Order Entry
- Order Management
- Trip Planning
- Truck Computer Communication
- Trip Reconciliation
- Carrier Invoice Control
- Interfaces to Back office systems (e.g. SAP, JD Edwards), tank gauging, telemetry systems, etc.



About ORTEC

ORTEC is the largest provider of optimization (operations research) technology and decision support solutions in Europe. Founded in 1981, ORTEC currently boasts both United States and European headquarters in addition to several more offices worldwide including Africa and Asia. ORTEC has many years of experience in the Transportation and Logistics domain successfully developing and implementing complex, high-level decision support solutions, which continues to be ORTEC's primary focus.

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