



QAD DYNASYS IN
AUTOMOTIVE





QAD DYNASYS DSCP IS BUILT FOR AUTOMOTIVE MANUFACTURERS, BUILT FOR YOU

In today's automotive market, global manufacturers must meet strict OEM-driven expectations like delivering excellent quality while ensuring on-time delivery. At the same time, automotive manufacturers strive continuously to optimize operations and achieve a balance between cost and the need for talent, quality, delivery and innovation. Meeting these objectives are complicated by the market conditions facing automotive manufacturers, which require them to:

- Adapt to volatile capacity due to model turnover, new technologies and fluctuating consumer preferences and demand
 - Improve supply chain visibility to support shifting global platforms, demand fluctuation and increasing supply chain complexity
 - Meeting customer compliance, spanning industry best practices for delivery performance such as MMOG/LE
- To succeed in today's complex environment, automotive manufacturers need to anticipate demand changes and the effects on procurement, production, distribution and network inventory. Accurate forecasts combined with better supply chain visibility enable manufacturers to reduce inventory, improve efficiencies and accurately deliver on-time quality products cost effectively.

Many successful automotive manufacturers use QAD DynaSys DSCP (demand & supply chain planning) in a wide range of segments, including automotive aftermarket suppliers, to meet their goals for brand development, demand management and new product introduction, while improving global supply chains and achieving best in class customer service levels. DSCP enables you to effectively optimize, analyze, simulate, collaborate, understand and ultimately plan all supply chain activities.

VALUE & BENEFITS

Using DSCP delivers in several business benefits for automotive manufacturers and suppliers of all types, including:

- Improved global visibility at the item and product line levels, resulting in better capacity planning for various market, production site and overall
 - Optimized procurement plans for critical components and end items, improving service levels, delivery ratings and reducing logistics costs
 - Making more accurate and timely supply chain decisions due to better visibility of your entire supply chain, with flexible views for different stakeholders
 - Improving anticipation by better understanding supply chain constraints and bottle necks, and developing a robust S&OP (sales and operations planning) processes
 - Increasing margins by reducing costs in distribution, production and procurement activities and through reduced inventories, less obsolescence and fewer lost sales
- Automotive manufacturers, both tier-1 and tier-2, will also particularly benefit in the following ways:
- Improving demand synchronization across the supply chain, limiting material shortage, shipping disruptions and last minute expediting
 - Maintaining excellent customer service levels, avoiding penalties and reinforcing a strategic supplier position

- Making better decisions as to what to forecast and produce by leveraging demand planning to collect all historical, market intelligence, OEM forecast and OEM build assembly schedules

Automotive aftermarket suppliers will enjoy these additional specific benefits:

- Reducing supply chain and distribution costs by better managing distribution processes and inventory
- Improving collaboration with customers and suppliers, thereby increasing global supply chain visibility

BUILT ON A STRONG FOUNDATION

QAD DynaSys has been helping automotive manufacturers and automotive aftermarket suppliers improve productivity and profitability through better supply chain decision-making since 1985. QAD DynaSys invests heavily in research and development to ensure their solutions are highly configurable to match each manufacturer's unique needs and are powerful, functional and easy to use.

BUILT WITH A CLEAR FOCUS

Focus on Demand Planning

Demand Planning offers a collaborative solution for developing demand forecasts, the starting point for better decision-making in the Automotive industry. You optimize sales forecasts with information from different sources including market intelligence (IHS), customer schedules, and statistical forecasting. Thanks to improved collaboration QAD DynaSys clients can further tune their demand forecast by tapping into the market knowledge of their key business users.

Demand Planning carries out forecast calculations on multiple levels, uses a sophisticated statistical engine, and includes product life cycle and machine learning. It supports decision-making through numerous metrics and indicators, including statistics on forecast accuracy, ABC classification, comparison of actual sales to budget and safety stock dimensioning.

Focus on Supply Chain Planning

DSCP includes complete features for distribution, production and procurement planning, and network and inventory optimization.

Distribution Planning coordinates the product flow across the entire logistics network. It enables

users to model distribution networks, calculates distribution requirements across the network and provides graphical visualization of product flows. It includes a stock deployment algorithm reflecting stock management strategies such as push flows, pull flows, priority and fair share. It simulates product flow scenarios by observing stock and customer service-rate projections.

Production Planning provides finite capacity planning for manufacturing, capacity and inventory optimization. It optimizes Master Production Scheduling (MPS) and/or Sales and Operations Planning (S&OP) according to demand, inventory policies and production constraints. Multiple algorithms enable planners to perform capacity smoothing while monitoring stock to better tune capacity utilization, optimize resources and synchronize different levels of production.

Procurement Planning optimizes the master procurement plan and calculates the order and delivery plan for all purchased items including components, finished goods and products linked to trade. Procurement Planning allows you to optimize an order plan according to your requirements, logistics constraints and inventory policies. It also supports merge orders to attain carriage-paid or full containers, and makes it simple to propose alternative suppliers when required.

Focus on S&OP

Sales & Operations Planning facilitates communication and decision-making to balance supply and demand through the extended supply chain. The result is better alignment between the company's strategic objectives and its operations to achieve the optimal service level while providing financial insights.

DEMAND & SUPPLY CHAIN PLANNING
FOR AUTOMOTIVE

CONTINUOUS IMPROVEMENT | REDUCE COSTS

OPTIMISE PRODUCTION RESOURCES | IMPROVE TURNOVER & PRODUCT MARGIN

COLLABORATE EFFECTIVELY

PLAN, SIMULATE, OPTIMISE YOUR GLOBAL SUPPLY CHAIN

FUTURE PROOF TECHNOLOGY

QAD DynaSys cloud – safe, secure and available. DSCP is available in the QAD Cloud. QAD Cloud services are ISO certified and carry SSAE15 SOC 1 Type II certification. Business continuity is assured with comprehensive disaster recovery planning.

Mobility. DSCP user experience supports Web, mobile and touch screen user interfaces.

Analytics. As the IoT and machine learning deliver a greater number of data points, supply chain solutions must have a best-in-class capability to translate data into trends and decision grade analytics. DSCP seamlessly embeds capability from Qlik, a leading business analytics provider. This provides a beautiful and pleasant to use data experience supporting responsive and accurate decision making.

In-Memory. DSCP uses a highly scalable, rapid in-memory data model enabling real time simulation planning and effective decision support.

Integration. QAD DynaSys supports integration with QAD, SAP, Sage, JDE, Oracle, Infor, Microsoft and many other ERP and enterprise applications. It uses a data hub approach to exchange supply chain information across the organization and includes tool for building custom integrations.



QAD DynaSys Headquarters

Espace Européen de l'Entreprise
Immeuble Le Skansen 3 Allée de
Stockholm F - 67300
Schiltigheim
France
Tel: +33 (0) 3 88 19 14 14

QAD DynaSys UK

Sir Stanley Clarke House Quinton
Business Park,
Birmingham, B32 1AF
United Kingdom
Tel: +44 (0) 121 506 6500

QAD DynaSys USA

2651 Warrenville Rd
Suite 580
Downers Grove, IL 60615
USA
Tel: +1 (805) 566-4500

E-mail: contact@dys.com