

MEAT AND FISH PROCESSING

Benefits

Improved demand planning and supply chain management

Full product traceability

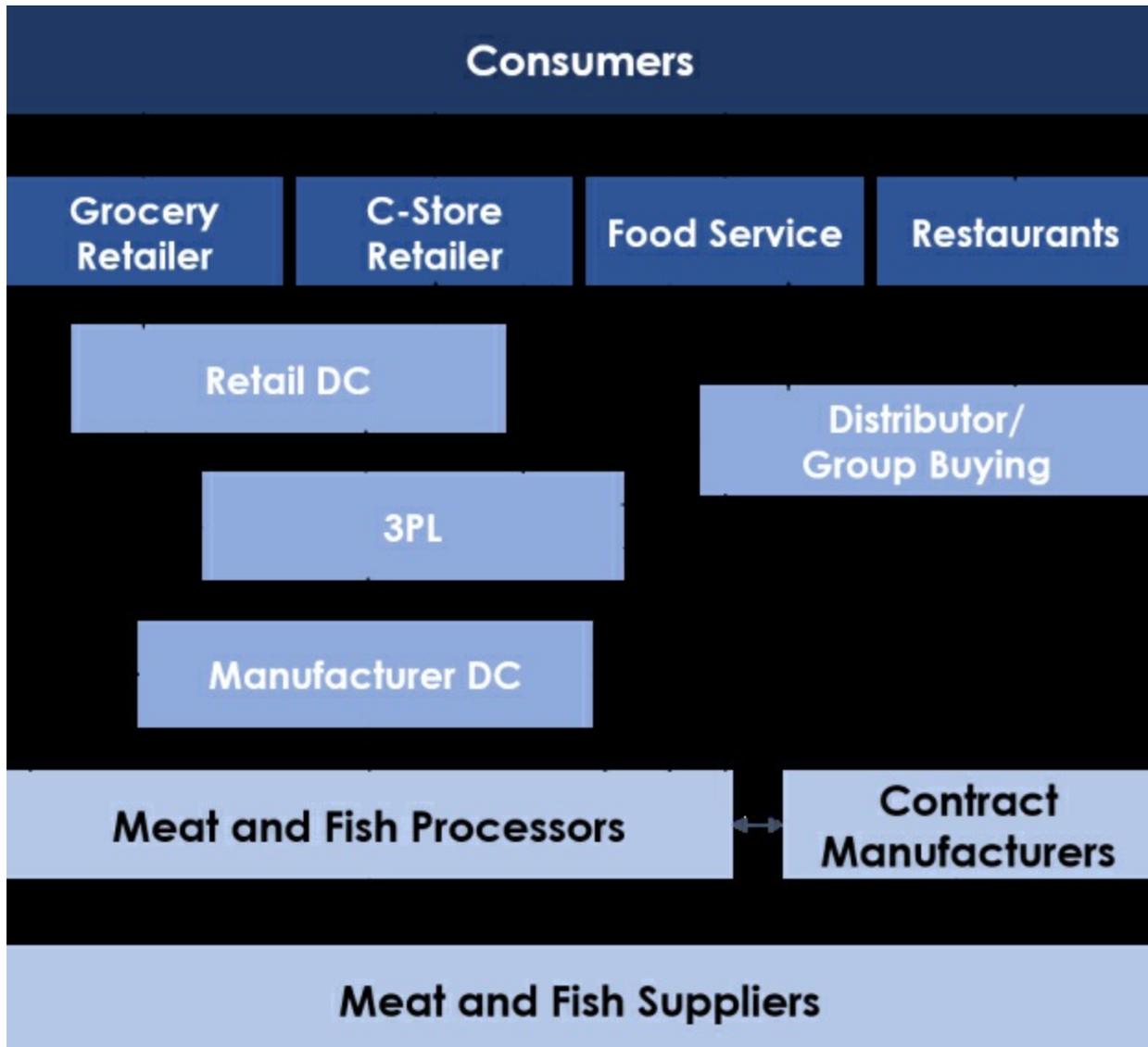
End to end process management

Ability to quickly change production schedules to meet demand

QAD offers a unique solution to assist manufacturers of meat and fish products to manage their business in its entirety from the raw protein stage to customer delivery. Managing the supply chain of products that come into the facility fresh and leave fresh or frozen is extremely difficult. Shelf lives are short throughout the entire life of the production cycle and not managing these correctly can cost thousands of dollars that could be profits.

Manufacturers need to shorten product lifecycles, spot changes in demand, manage complex global supply chains and effectively manage inventories and balance production schedules. QAD's solution helps manufacturers better manage supply chains and inventories, helps synchronize production and helps meet compliance requirements while adapting to changing demand.

Meat and Fish Processing Value Chain



Key capabilities of the QAD solution include supply chain planning and execution, global financials, material and product traceability, serialization, sales and operations planning, quality management, promotions management and warehouse and transportation management. These capabilities provide producers of meat and fish products the ability to control risk, continually improve operations and align operations and sales with business strategy.

Optimize production cycles and manage shelf lives through improved [manufacturing](#) planning and supplier management

Increase inventory turns, reduce inventory and improve customer service by using sophisticated forecasting methods and rapidly detecting changes in demand

Have full product traceability from material procurement through distribution through complete product serialization

Streamline production scheduling sophisticated master and production scheduling tools

QAD [Cloud ERP](#) and related capabilities are an excellent fit for producers of meat and fish products. The solution supports best-in-class; industry-specific processes including meeting compliance requirements and offers flexible deployment options. The following are key capabilities provided by QAD solution:

QAD DSCP (Demand and Supply Chain Planning)

Serialization and Lot Trace Workbench

Planning and Scheduling Workbenches

QAD Trade Activity Management

QAD QMS (Quality Management System)

QAD Automated Solutions – Shop Floor Data Collection and Label Printing

QAD Enterprise Asset Management

QAD Warehousing

QAD TMS (Transportation Management System)

An overview of the first three capabilities follows. For information about the other capabilities, please visit QAD.com.

QAD DSCP (Demand and Supply Chain Planning)

Demand Planning, part of QAD DSCP, **generates more reliable forecasts and helps better manage product life cycle events**, directly impacting inventory effectiveness and customer service. Typical measurements related to these KPIs include DIFOT, Forecast Accuracy, Line Item Fill Rate and Inventory Accuracy. The result: bottom line improvements to cost of sales, margin and revenue.

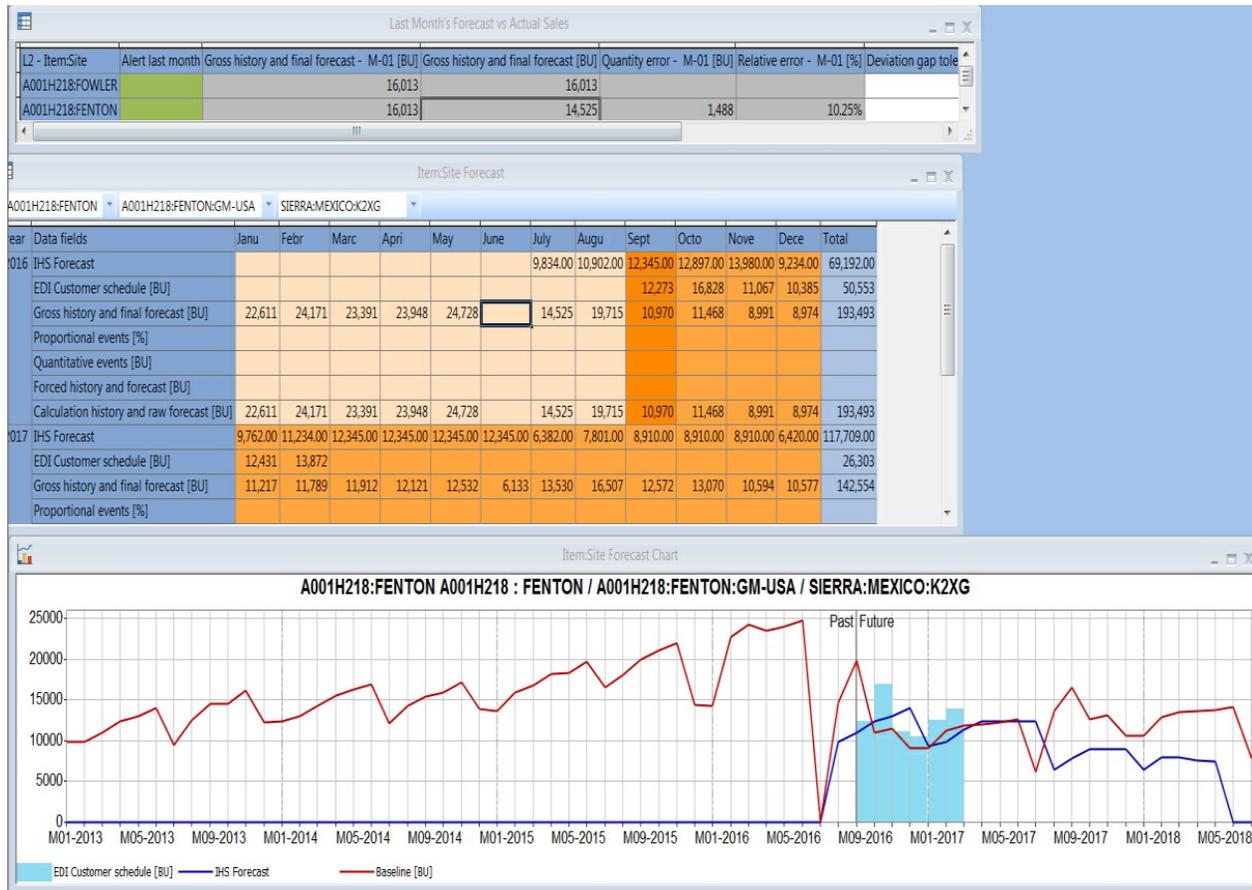
In the meat and fish processing segment, shrinking product lifecycles result in more complex supply chains. QAD DSCP provides a sophisticated tool to build and manage reliable and accurate forecasts by collaborating with all the players involved in the forecasting process.

Organizations can manage forecasts at any level – customer, item, group or family – with input from a variety of sources like sales representatives, customers, marketing and finance. This enables true collaboration, one of the keys to improving forecast accuracy. QAD DSCP creates sales forecasts based on historical data, market analysis data and customer production data. It also supports **strategic and operational alignment** with S&OP (Sales and Operations Planning) capabilities.

QAD DSCP uses **sophisticated statistical modeling** to pinpoint anomalies that can skew demand, smooth historical data if applicable, determine the effect of exceptional events, and generate a forecast for each individual item, automatically selecting the best-fit statistical

model.

Demand and Supply Chain Forecasting Model

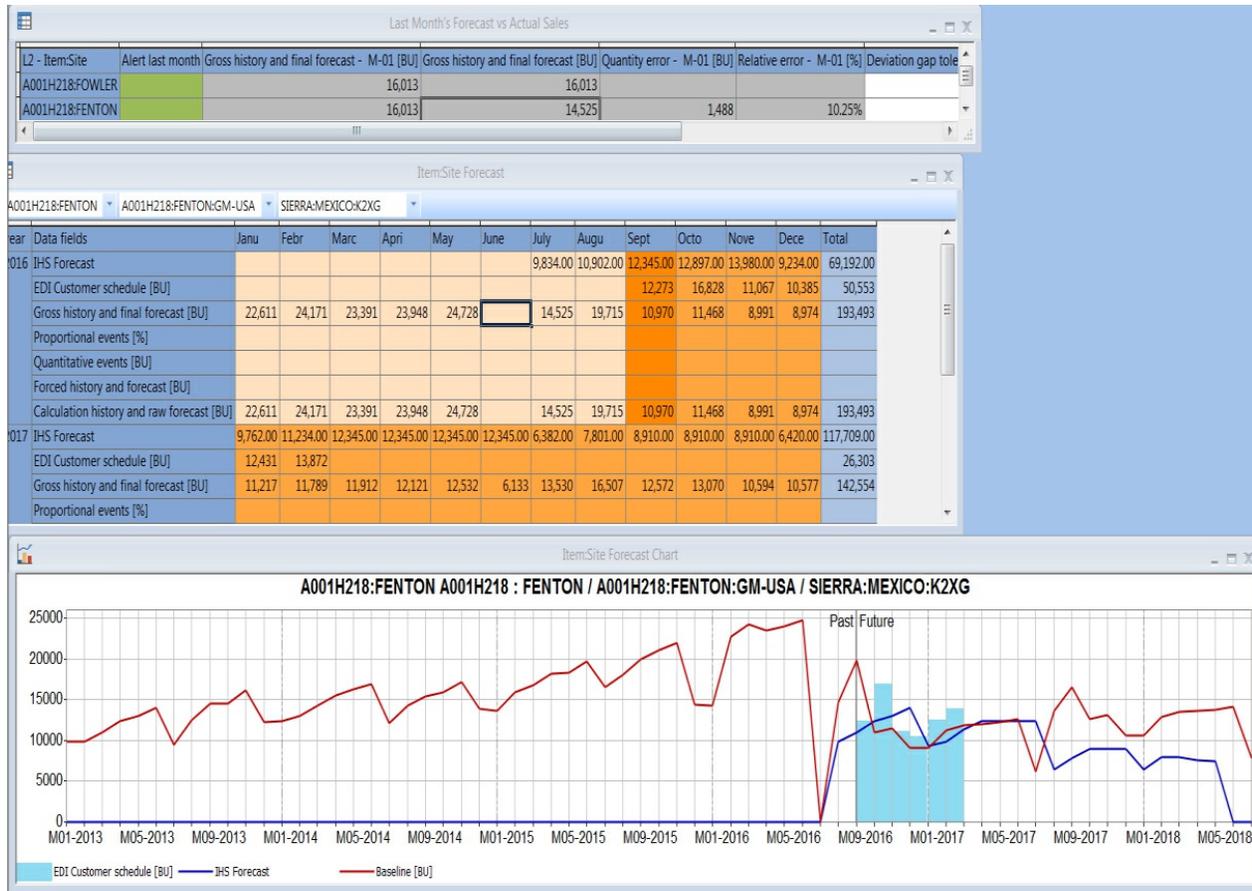


Serialization and Lot Trace Workbench

Field-to-fork traceability gives meat and fish processors the information needed to respond to product issues and supports food industry compliance measures. Government regulations are increasing and **the ability for manufacturers to serialize products and track them completely is critical for compliance and to gain trust in the marketplace.** Key metrics for meeting industry regulations are Out of Compliance Incidents and the Cost of Compliance. Automating full life-cycle transaction accountability reduces risk. QAD's solution, including item attributes, provides the tools and information required for serialization.

QAD further assists manufacturers in the tracking and tracing of products through the Lot Trace Workbench which provides immediate access to lot/serial-based transaction history. **It provides full traceability – from sourcing, to manufacturing and shipment – and a complete audit trail of all lot or serial numbered items.** Lot Trace Workbench makes it easy to track use, shipping information and current location.

Full Product Traceability



Planning and Scheduling Workbench

Visibility into schedules and the ability to change production schedules quickly is critical for meat and fish processors. The QAD Planning and Scheduling Workbench makes it easy to **generate reliable production plans, manage exceptions proactively and respond to changing conditions.** Improving production plan quality positively impacts metrics like Manufacturing Schedule, Manufacturing Efficiency, Asset Utilization and Inventory Effectiveness.

The Planning and Scheduling Workbench **provides schedulers visibility into demand, supply, inventory, capacity and production and is displayed in an intuitive spreadsheet-like workbench.** Schedulers gain insight into planned production, alternative resources, changes in customer demand, inventory levels, safety stock, forecast, capacity and planned maintenance schedules so they no longer need to sift through reports or resort to offline spreadsheets.

Schedulers interact directly with the schedule using color-coded alerts that focus attention on potential issues. If there is a shortage, the scheduler can immediately see if it is something that warrants a schedule change. The scheduler can immediately respond by simulating changes to production and seeing what the effect will be on the overall schedule and capacity. This ensures that responding to one rush order does not result in missing two or three other deliveries or costing more in overtime than would be made on the sale. Once

the scheduler is certain that the schedule changes are accurate they can immediately implement the changes and communicate priorities to the shop floor.

Planning and Scheduling Workbench View of Production Lines Including Capacity, Schedules and Supply/Demand Data

Initial

Search ((Direction = false) and (Item Number = '02200'))

Direction equals Backward + x Search Clear All

Item Number equals 02200 + x

Lot/Serial equals + x

Level	Date	Transaction Number	Site	Location	Item Number	Description	Lot/Serial	Reference	Quantity	UM	Type	Order Number	Transaction Ref	Batch
1	10/10/2016	1119826	10-200	010	02200	Motor Asm 8 Way Seat Adj 24V amp 2 hp	101016ejm		100	EA	ISS-SO	ejm666	2455037	
2	10/10/2016	1119823	10-200	010	02200	Motor Asm 8 Way Seat Adj 24V amp 2 hp	101016ejm		100	EA	RCT-WO	ejm777	2455036	
3	10/10/2016	1119822	10-200	020	62201	24V Amp 2HP, 1/2 Dia	ejm101016		100	EA	ISS-WO	ejm777	2455036	
4	10/10/2016	1119821	10-200	020	62201	24V Amp 2HP, 1/2 Dia	ejm101016		100	EA	RCT-PO	ejm999	R1012013	

Address Detail Lot Availability Transaction Attributes Detail Serial History Browse

Address Detail

Address Name Address Address Address City State Postal Code County Country Attention Telephone Fax Number

10C1002 Houston Automotive Group 801 Louisiana, Suite 700 Houston TX 77002 USA Gene Altuso

For more information on how the QAD solution for meat and fish processing manufacturers can help your company, please contact QAD at +1-805-566-6100 or email info@qad.com.