Leveraging the Power of an Integrated Supply Chain

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CONNECT + ACCELERATE + INNOVATE









Outline

- ► Introduction: Glen Raven Custom Fabrics, LLC
- ► Making the business case for implementing Logility
- ► Leveraging an integrated supply chain planning system
- ► Results



About Glen Raven

- Privately held founded in 1880
- Three business units
 - Custom Fabrics
 - Technical Fabrics
 - Trivantage
- Operations in U.S., France, China & India
- Applications
 - Awning
 - Automotive Convertible Top
 - Marine Canvas and Upholstery
 - ► Indoor/Outdoor Residential Furniture
 - Contract and Healthcare Furniture







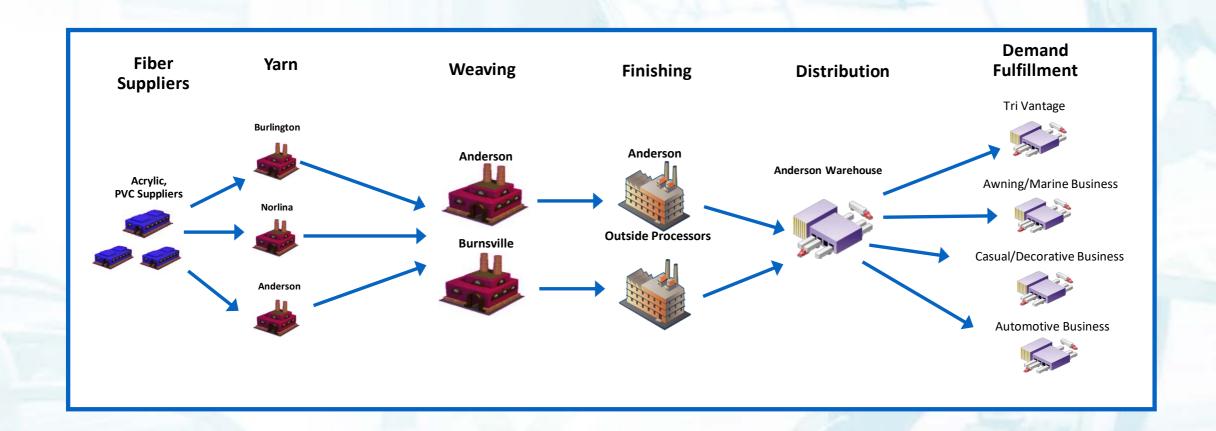








Glen Raven Supply Chain





VELOCÎTY

- Why Did We Implement Logility: Making The Business Case
- Risk mitigation
- ScalabilitySystems/technicalHuman capital
- Efficient growth



Veloc Ty

Implementation Approach

- ► Business project not an I.T. project
- ▶ Define the overall objective and keep the focus
- Sound project management methodologies:
 - Time management
 - Focus on critical path



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Sum of Local Optima ≠ Global Optima

"The optimum performance of a system as a whole is not the same as the sum of all the local optima." 1

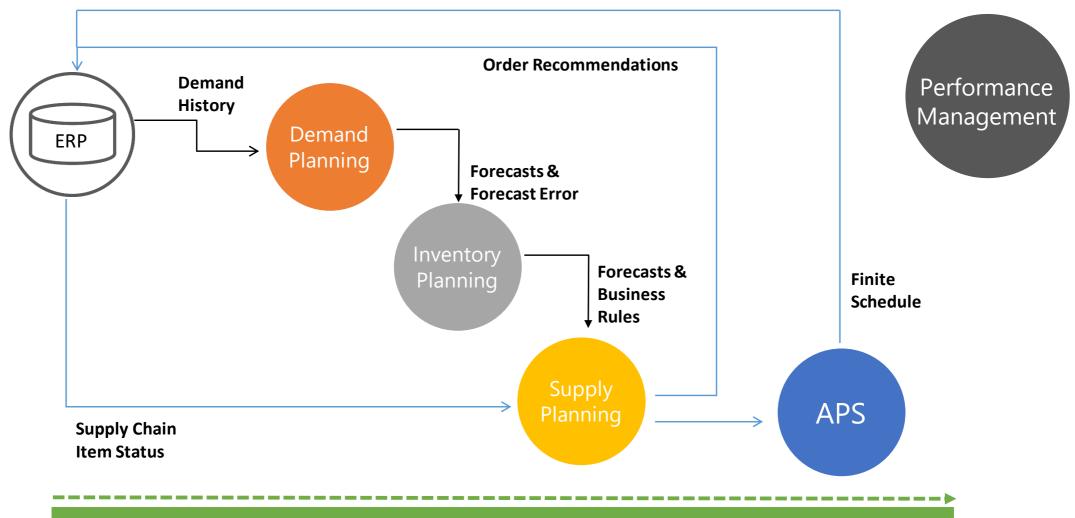
1. Goldratt, Eliyahu. Introduction to the Theory of Constraints.

Leveraging the Power of Integration



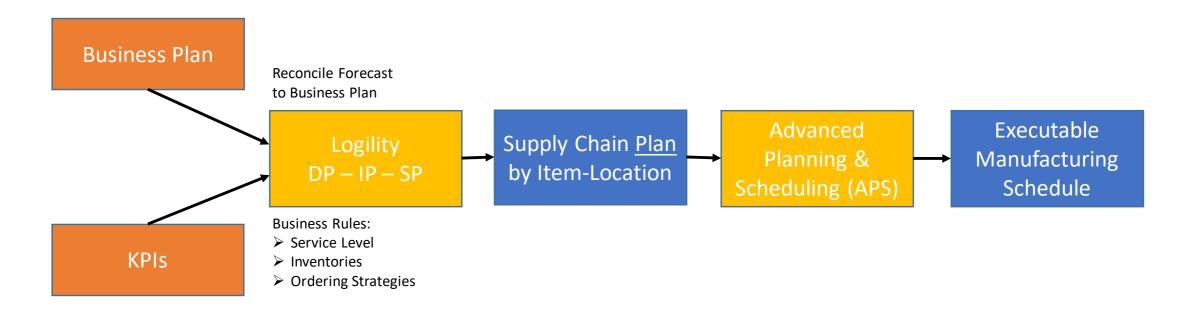


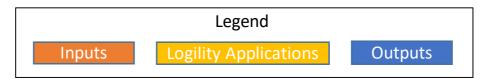
Integrated Planning Solution





One Operating Plan





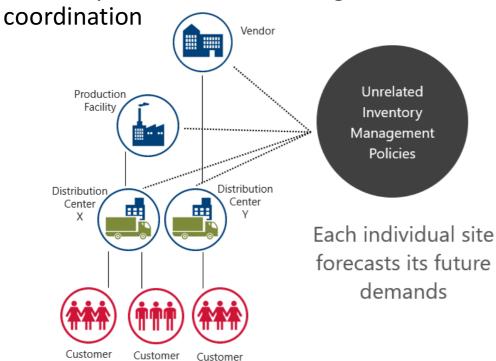


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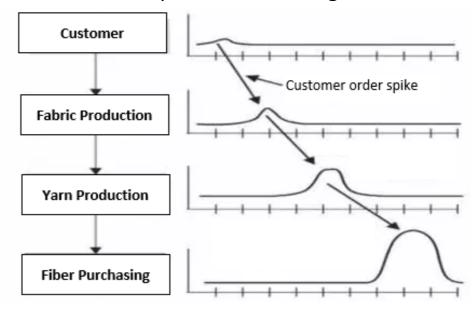
Legacy Planning Process (without Logility)

- Forecasting and planning not synchronized with business plan
 - Independent forecasts: business plan, operations plan, fabric plan, yarn plan
- No systematic way to incorporate market intelligence

Inventory buffers lacked strategic



- Highly susceptible to "bull whip effect"
 - Vertical operation with long lead time



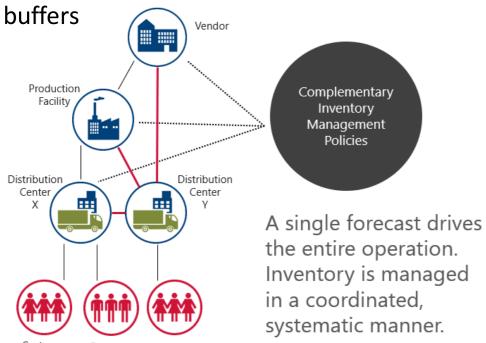


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Current Planning Process with Logility

- Single plan: Reconcile business plan and demand plan into one operating plan
- Systematic workflow to incorporate market intelligence
- Consistent execution of business rules based on strategic KPIs

• Strategically coordinated inventory



Minimization of "bull whip effect"





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Integrated Planning Platform

- Time phased forecast
- Forecast error
- ABC ranking
 Horizon: monthly for
 12-18 months

DP IP

- Safety stock
- Purchase/production order quantities
 Horizon: monthly for

12-18 months

 Finite schedule at machine level Horizon: weeks/ days/ shifts APS SP

- Demand prioritization
- Forecast consumption
- Manufacturing plan

 Horizon: weekly for 26 weeks





Power of Integrated Platform

Demand Planning generates more accurate forecasts...

Inventory Planning facilitates better safety stock policies and order quantities...

Supply Planning results in better constraint management...

The whole is greater than the sum of the parts.

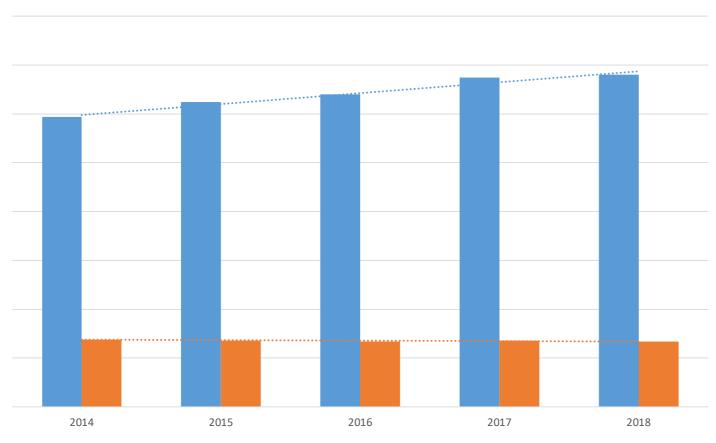




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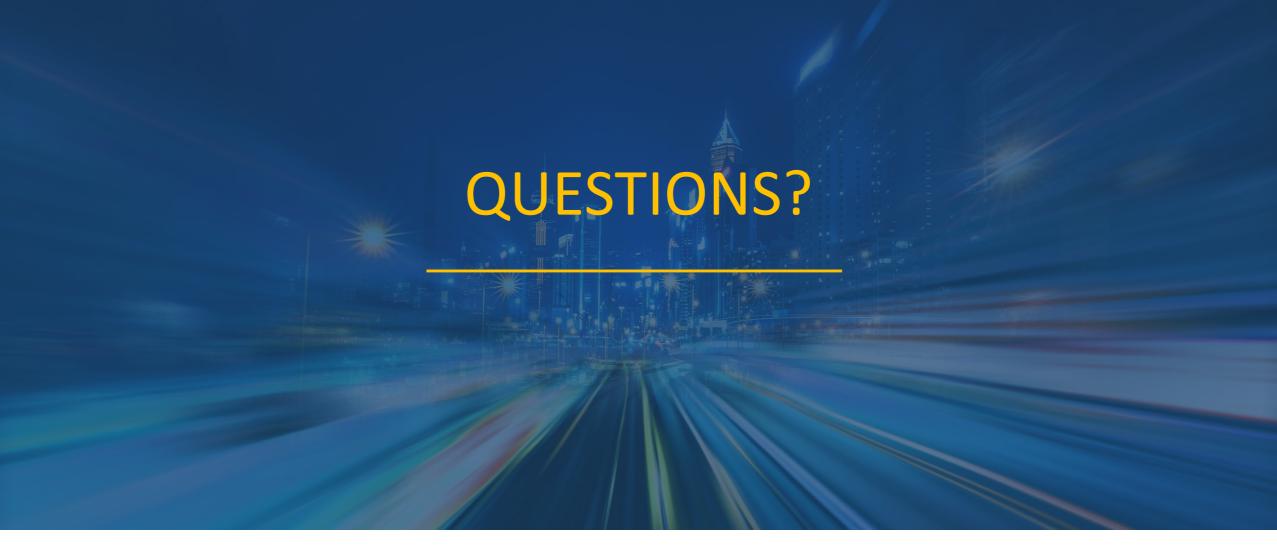
Results





- Live with Logility in Sept 2014
- Sales up by 17%
- Inventory flat
- Service level up 1% to 96.6%
- Increasing complexity
 - Finished Goods SKUs up 16% over 3 yrs.
 - Intermediate Goods (Yarn) SKUs up 5% over 3 yrs.
- Forecast error cut in half





THANK YOU

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