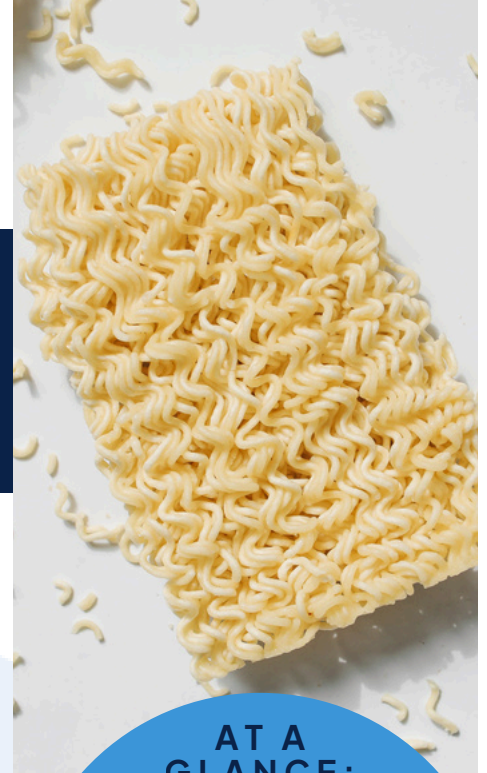


From Spreadsheets to Smart Planning: Puls8 Replan Delivers

INTRODUCTION

The company is a leading global food manufacturer, best known for its popular instant noodle products. With multiple plants across the U.S. and a growing portfolio of innovative offerings, the company sought to modernize its planning process to better balance service, cost, and efficiency.

Despite market leadership, planning was still conducted manually in Excel spreadsheets, leaving executives with limited visibility and confidence in future inventory levels. To support growth and improve agility, the company turned to Demand Chain AI and its Puls8 Replan solution.



AT A GLANCE:

CHALLENGES

- Manual Excel-based planning
- Excess inventory levels
- Missed OEE targets

BENEFITS

- Automated production planning
- Extended planning visibility
- 10% lower inventory

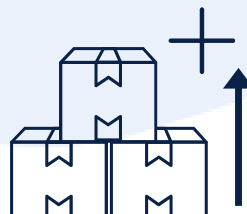
CHALLENGES

The company faced several operational hurdles:

- **Manual Planning in Excel:** Monthly bucket planning required heavy manual effort, with planners spending significant time reconciling schedules.
- **Excess Inventory:** Lack of visibility led to excess safety stock, tying up working capital and increasing storage costs.
- **Limited Flexibility:** Executives wanted the ability to test scenarios—such as changing shift patterns or safety stock levels—but lacked tools to do so accurately.



Manual Planning in
Excel



Excess
Inventory



Limited
Flexibility



PULS8 REPLAN'S SOLUTION

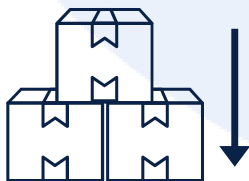
The pilot project focused on one of the company's plants, specifically its two most complex integrated production lines. Puls8 Replan created a digital twin of the end-to-end process—converting wheat into packaged, retail-ready flavored noodles—to replicate production constraints and planning rules. Key capabilities demonstrated included:

AUTOMATED PLANNING	REPLACING SPREADSHEET-DRIVEN, MANUAL PROCESSES WITH OPTIMIZED PRODUCTION PLANS.
SCENARIO MODELING	TESTING THE IMPACT OF DOWNTIME, STOCK POLICIES, AND PRIORITIZATION ACROSS SKUS.
INVENTORY OPTIMIZATION	BALANCING SAFETY STOCK, MAXIMUM STOCK, AND SERVICE LEVELS WITHOUT OVERBUILDING.

RESULTS

The pilot delivered measurable impact:

- **10% reduction** in inventory while maintaining service levels
- Improved visibility into future demand and supply alignment
- Reduced manual planning effort, freeing planners for more strategic tasks



Reduction in
inventory



Improved
visibility



Reduced manual
planning



KEY TAKEAWAYS

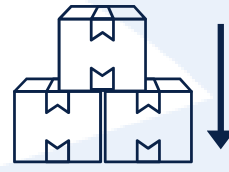
- Excel planning replaced with **intelligent automation**
- **Scenario planning is enabled**, supporting better S&OP decisions
- Inventory **reduced by 10%** without impacting service



Intelligent
automation



Scenario planning is
enabled



Reduction in
inventory

CONCLUSION

By adopting Puls8 Replan, the company moved beyond manual, spreadsheet-driven planning and achieved a measurable reduction in inventory while maintaining high service levels. The new planning capabilities improved visibility, freed planners from repetitive tasks, and equipped executives with the scenario analysis they needed to make faster, smarter decisions.

With expansion underway and new production capacity coming online, the company is now positioned to scale its operations with confidence, agility, and efficiency.



Demand Chain AI brings deep expertise in Consumer Packaged Goods, particularly Food & Beverage, with over 1,500 years of combined experience. We deliver practical solutions in supply chain planning and forecasting.

Puls8 Intelligent Planning Solutions provide end-to-end, data-driven technology, enabling seamless operations, precision forecasting, and smarter decision-making.

By combining industry expertise with innovative solutions, we help businesses drive efficiency, improve agility, and achieve sustainable growth in a dynamic marketplace.

Learn more at www.demandchainai.com