

# ***Puls8 Replan: Boosting Supply Chain Agility for a Central Asian Bottler***

## **INTRODUCTION**

The customer (referred to here as AnonCo for confidentiality) is a leading bottler based in Central Asia, producing a wide range of products for one of the world's top two cola brands.

With nine bottling lines—including a dedicated canning line and eight highly interchangeable lines—AnonCo is committed to innovation, investing in modern high-tech production capabilities and cutting-edge solutions. Alongside growing its partner's brand presence, the company places a strong emphasis on being a responsible member of the communities it serves and using natural resources efficiently.

Supply chain excellence is the foundation that enables AnonCo to deliver on its brand promises, uphold its commitment to sustainability, and meet the expectations of both partners and consumers.

This case study explores the planning and scheduling challenges AnonCo faces—and how Puls8 Replan's innovative approach is helping them address these complexities and drive performance improvements.

## **CHALLENGES**

AnonCo's path to improvement was hindered by its reliance on large, manual Excel spreadsheets.

- **Lack of agility:** Monthly demand changes took five days to process, and weekly adjustments took three—forcing rigid 4-week production and 20-week raw material planning cycles.
- **Limited functionality:** Manual planning increased the risk of errors and prevented effective optimization across service, inventory, and cost. Batch sizes, stock levels, and production sequences couldn't be easily managed, leading to extended 5–7 day runs that reduced flexibility.
- **Lack of scenarios and tradeoffs:** With planners stuck managing spreadsheets, there was little time or capability to explore what-if scenarios or assess tradeoffs—limiting their ability to proactively respond to change.



### **AT A GLANCE:**

#### **CHALLENGES**

- Manual spreadsheets
- Data errors
- Rigid planning

#### **BENEFITS**

- Faster Planning
- Reduced Inventory
- Increased Capacity



## PULS8 REPLAN'S SOLUTION

It was time to give planners a tool that could manage production complexity while balancing customer service and inventory—enabling them to quickly run multiple scenarios and evaluate tradeoffs.

Puls8 Replan is built for the real-world complexities of food and beverage production. It models equipment and capacity, multi-level processes, changeover rules, allergen and segregation requirements, positive release protocols, inventory policies, and more.

Its intelligent algorithms are tailored to optimize key business objectives—demand, inventory, and capacity. Planners can run, compare, and analyze scenarios across the full planning horizon, from short-term execution to long-term strategy.

Puls8 Replan integrates seamlessly with the existing ERP system and supports the S&OP process.

## PROCESS

Demand Chain AI implemented its Puls8 Replan solution across four bottling lines and the canning line, delivering clear, measurable results within just eight weeks.

The rollout followed Puls8 Replan's proven deployment methodology, designed to minimize disruption and require minimal effort from the customer, just one FTE day per week. The collaborative process included:

- A thorough review of AnonCo's existing Excel-based planning processes and inputs
- Establishment of key baseline metrics to measure impact
- Execution of multiple planning cycles, with scenario runs and in-depth analysis to identify improvement opportunities
- Hands-on training for planners, end-users, and key decision-makers to ensure smooth adoption and long-term success

**This fast and focused deployment laid the foundation for long-term planning transformation at AnonCo.**

### REVIEW EXISTING PROCESS



Analyze Excel  
Planning inputs



### ESTABLISH BASELINES



Set key metrics  
to measure impact



### RUN PLANNING CYCLES



Execute multiple  
scenarios & analyze



### USER TRAINING



Train planners, users,  
decision makers



Completed in **8 weeks**



Minimal customer effort:  
**1 FTE day per week**



## RESULTS

Working closely together, the AnonCo and Puls8 Replan teams demonstrated the value of intelligent algorithms and rapid, repeatable scenario planning—delivering real, measurable impact:

**5%**

IMPROVEMENT IN  
PRODUCT AVAILABILITY

**23%**

REDUCTION IN FINISHED  
GOODS INVENTORY

**34%**

INCREASE IN CAPACITY  
UTILIZATION

**5 DAYS TO 30 MINUTES**

REDUCED PLANNING  
TIME

- Canning line expansion deferred by one year, thanks to better use of existing capacity—a result that impressed leadership:
- “Very good tool for budgeting as it allows many different parameters to be taken into account,” said a senior AnonCo leader.
- Greater planning agility, enabling planners to evaluate tradeoffs and respond to disruption with speed and confidence. One planner shared,
- “Replan can respond very quickly to a machine breakdown or a change in forecast.”

Together, these improvements marked a major step forward in AnonCo’s planning capability—unlocking flexibility, efficiency, and smarter decision-making across the supply chain.

## CONCLUSION

AnonCo’s partnership with Demand Chain AI and its Puls8 Replan solution has modernized its planning process—replacing spreadsheets with a more agile, accurate, and efficient system. With intelligent algorithms and fast scenario analysis, they improved product availability, reduced inventory, increased capacity use, and cut planning time—enabling smarter, more flexible decisions and stronger supply chain performance.

**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.

