

# ARKIEVA SOLUTION REDUCES RUSH SHIPMENTS, PREVENTS WASTE, AND **LOWERS INVENTORY**

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INEOS is a private corporation based in the United Kingdom, which through a series of acquisitions has become the third largest chemical company in the world. INEOS is one of the largest producers of polyethylene and polypropylene, and the challenge is to use their assets effectively to compete in a highly competitive environment where there is constant pressure on margins.

Manufacturing polyethylene and polypropylene has some unique challenges; the manufacturing assets are most efficient when run continuously. However, customers require different grades of products, and changing from one grade to another can be expensive. For this reason, optimizing the sequence of manufacturing the various grades is critical to keeping costs in check. Unanticipated demand can throw a wrench into the production plans: "You might have an optimized plan that minimizes waste and then a customer comes in with a rush order that has to be produced right away", says Steve Vice, IT manager for INEOS.

After doing research on different systems, INEOS decided to implement the Arkieva suite as a comprehensive supply chain planning package. The integrated platform provides the planners with a comprehensive tool that addresses demand planning, sales and operations planning, and plant scheduling. Arkieva provides an integrated approach in that plans can be continuously reconciled with changes in demand so that the entire supply chain operates on the latest information in the most profitable way.

*"From an IT standpoint, the Arkieva software tool is easier to maintain and a lower cost tool to support than what we had previously."*

*- Steve Vice IT Manager INEOS*

INEOS is currently using Arkieva at all its three plants for polyethylene. Early indications are that forecast accuracy and schedule stability have improved significantly, and the supply chain is operating with better efficiency and more reliably than ever before. The parent company has taken note of this and is in the process of expanding the Arkieva implementation to the polyolefin business in Europe. According to Vice, the success of this project is due to many factors including Arkieva's chemical domain expertise, the Microsoft based Arkieva platform, and the time invested in building and training cross-functional business teams that could leverage an integrated solution.



- // **INDUSTRY:**  
Chemical – Polyethylene & Polypropylene
- // **CHALLENGES:**  
Inflexible manufacturing facilities making multiple grades in an environment of continuously fluctuating demand.
- // **SOLUTIONS:**  
Comprehensive Arkieva solution for Demand Planning, S&OP, Plant Scheduling and Terminal Replenishment
- // **RESULTS:**  
Improved schedule stability and lowered manufacturing cost



# arkieva™

Data to Decisions. Faster.



## Discover The Arkieva Difference

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### **ABOUT ARKIEVA**

Since 1993, Arkieva tools have been used in more than 200 unique applications around the globe, and most of our clients leverage Arkieva software to support collaborative planning teams in North America, Europe, and in Asia.