

CASE STUDY

MANAGING ENGINEERING CHANGES IN THE SERVICE SUPPLY CHAIN



CLIENT PROFILE

A global leader and innovator in the business and technical services industry facing weekly modifications to thousands of Part Chains with no visibility into their impact on the service supply chain in the short term and over succeeding periods.

DESIRED OUTCOMES

Achieve real-time visibility into the impact of Part Chaining or Engineering Chain Events on parts availability shortages and future inventory impacts.



KEY ACTIONS TAKEN

- Modeled the client's complex Part Chaining Bill of Materials to a level of detail beyond the capabilities of conventional planning and MRP tools.
- Applied advanced analytics and simulation testing to Chain impact events on a weekly basis.
- Configured Entercoms Proprietary Control Tower interface to visually report out dedicated analytics (impact analysis, alerts and simulation).



KEY RESULTS



Identified hundreds of parts chains where broken relationships cause \$100k's in stranded inventory.



Alerted planners of necessary actions to avoid misses at the part level due to chain change events.



Controlled all impacted areas through a weekly exemption report.