



Predictive analytics and rapid process improvements

- Predictive Insights Pilot in 4 weeks provided Inventory reduction of \$ ¼ million without any reduction in Customer service levels.
- Roll outs to 90 distribution centres with recurring benefits like improvements in Service Level , Stock Turns and Forecast Accuracy

Our team's demonstrated capabilities are illustrated in these case studies

Our consultants have developed these solutions and related expertise both during current assignments with clients of Ascentra Consulting and also during their previous engagements

Challenges

Our client had an overall objective of improving management of MRP Based Planning Process and Inventory

There were nearly 80,000 planned materials at 90 distribution centres, more than 800 MRP profiles and 40 -50 planning scenarios.

A structured method was needed to achieve quick improvements and prioritise a detailed review.

Solution

A Supply Chain Analytics based diagnostic tool has been

developed. It uses Predictive Analytics to model the recommendations for process improvements and also defines “locked benefits” that can be released by implementing these recommendations

Business Managers can then focus on improvement opportunities based on the segmentation and identified value proposition. The methodology also allows the managers to iteratively improve the models to focus on known and unknown insights from the Analytics.

For one of the complex business units, the overall solution

was integrated into a monthly



Predictive Diagnostics

process with model review and scoring, based on latest Supply Chain data. The business achieved recurring benefits as it continued to evolve. This long term solution was provided through a very low cost data and model monitoring for more than 4 years after the initial implementation.

Predictive Analytics and Optimisation

The tool utilises segmentation and detailed analytics on Products, Manufacturing Plants, DCs, Customers and Vendors, to identify Process Improvement opportunities eg Service Level , Stock Turns

and Forecast Accuracy improvements. It utilises data from many sources like Transaction Processing Systems, generated KPIs based on defined rules, planning parameters from planning

systems and Business Rules from structured spreadsheets.

The combination of customised methodology and analytics based toolset is an innovation and a first in Australia.

Ryrie Street
Near Macquarie Business Park
North Ryde
NSW, Australia
Email: info@ascentra.com.au

www.ascentra.com.au

Simple Innovative Solutions


Ascentra Consulting

We help our clients achieve their identified business outcomes, by providing creative, Predictive Analytics based solutions.

Domain: Supply Chain, Asset Management and Customer Focused solutions for various industries

Analytics: Forecasting & Optimization, Market & Volume Share Predictions, Customer Profiling & Segmentation, Market Basket Analysis, Repeat Buying Behavior Analysis, Credit Scoring, Churn Models & Brand Price Trade Off Models

Technology: SAP : SCM , BI, HANA, Predictive Analytics, SAS, SPSS, Cognos, Hyperion
