



stellium



Production Planning & Scheduling with Lighthouse

Overview and Business Situation

Established in 1965 and headquartered in Burnaby, BC, Flora is well known for whole food supplements, botanical extracts, unrefined seed oils, and European health tonics. With headquarters for the US market in Lynden, WA., and distribution in many countries all over the world, Flora is now one of North America's premier nutraceutical manufacturers.

Flora had implemented Ross ERP system to carry out business transactions while most of the planning and scheduling activities were manual and excel based. To automate the process and to overcome various associated challenges, Flora opted Lighthouse APS solution after through analysis. The implementation started in September 2016 and completed by March 2017.

Value Delivered



8% improvement in capacity utilization through improved Work Order Scheduling



Better visibility for S&OP team



Dashboards and reports to gauge ATP, CTP etc.

Solution Improvements and Add ons



Daily re-planning considering entire material and capacity constraints



Better visibility for S&OP team



Available to promise and capable to promise



Procurement reports for buyers



Automated capacity loading



Work order plan reports for production schedulers



Dashboards for constraints analysis

Solution

- Lighthouse APS was integrated with Ross ERP.
- Purchase orders with delivery date and WIP data was imported from ERP to calculate the completion dates.
- Purchase quantity was generated considering material expiry, actual demand and lot size constraints.
- Work orders scheduling was done considering machine break-down time, planned maintenance schedule, holidays and overtime.
- Just-In-Time scheduling strategy was configured considering product shelf life.

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