

Case Study

Aspen Pumps Supply Chain Optimisation

Background

Aspen Pumps are a manufacturer and the global leader in condensate pumps and accessories. Aspen have continued to build on their market leading position, further penetrating markets in Europe, America and Asia resulting in a trebling of international revenues.

Challenge

Following rapid expansion, the Aspen business has grown ever more complex with a broadening reach and supplier base. The resulting supply chain complexity has led to inefficiencies in sourcing, routes and excessive handling throughout.

Solution

Enabling Aspen to visualise their own advanced supply chain was the first step in discovering improvement solutions. Through the use of the robust supply chain optimisation tool Supply Chain Guru (SCG) and extraction of key client information, Aspen's supply chain digital twin was engineered.

SCG is fully equipped with optimisation algorithms to run all possible scenario iterations to arrive at the most effective solution, based on selected goals. A scenario building phase began by tailoring parameters to fit Aspen's core objectives. As each modelled scenario progressed, findings were fed back to Aspen, this uncovered further possibilities and questions to build into the modelling.

Concluding the outputs and visual map representations into a result plan allowed the finalised scenarios to be relayed back to the client. A plan was then formed to transition to the optimum solutions.

“Working with Libra was extremely beneficial to Aspen. It allowed us to develop a roadmap for efficiency gains in the short-term and an operating model that allows further change as we continue in our rapid growth”

Andrew Wakelin, Chief Operating Officer - Aspen Pumps Group



Results



18 geographical centre of gravities modelled for newly introduced infrastructure delivering maximal reduction in distribution time/cost



£150k saving through simple optimisation of sourcing and distribution routing



Impact assessment on the inclusion of a new USA hub



Identification of further network savings with the introduction of selected new manufacturing locations