

# Experience the load building application for better SCM

Enabling maximized load application, complex integration and reduced validation cycles



The client is the world's largest tool manufacturing company, a world leader in engineered fastening systems with 60,000 people in over 100+ manufacturing facilities with presence in 60+ nations with revenue of \$14.5 billion in Tools & Outdoor with highly engineered industrial business.

## The Objective

In the client's supply chain landscape, stock transfers from one distribution center to other distribution center is a non-value-added activity. There was a requirement to use load building application

to build these Stock Transfer Orders (STO) in such a way that will lead to efficient downstream transportation and proper material handling at DCs.

## The Challenge:

Load building (LB) as a service can help the client's As-Is process to build inventory aware loads from supply recommended shipments and further optimizing it using constraints to provide optimal load containerization plan thereby maximizing load utilization.

Thus, the client wanted to replace its legacy

(.Net based) application for load building service with Blue Yonder Load Builder SaaS application. Since the Blue Yonder Load Builder SaaS application was an entirely new application in client's application landscape, there was also a one-time initial load of all master data into this.

## The Solution:

HCLTech along with Blue Yonder helped the client to rollout LB in production environment with functionalities in scope:

- Ability to handle available stock at customer locations data as decision process to create loads based on current decision-making process
- Endpoints at LB to be able to connect with customer applications for data input
- Generate loads with full pallets mostly, and mixed pallets as a last resource
- Stock transfer requests modifications after getting the plan into LB via manual process

As part of this load building application implementation, HCLTech was involved in creating proof of concept for the application with full functionality, creating design documents, data mapping, fit gap analysis and integration flow design in first phase. As part of second phase, HCLTech performed system integration testing, user acceptance testing and managed rollout to production of the solution.



## The Impact:

The client saw multiple benefits through HCLTech's engagement in this project, listed below:

- Standardized stock transfer order processing by maximizing load optimization
- Managed complex integrations with 3rd party solutions
- Reduced validation cycles through standardized test scenarios

