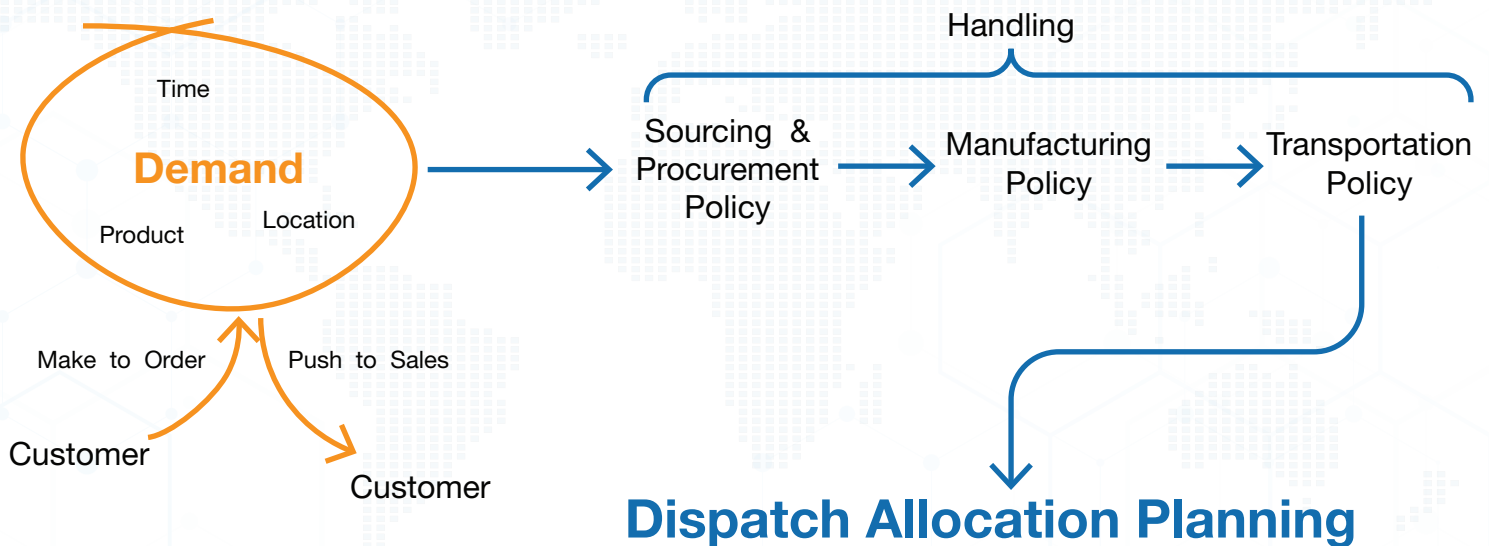


Fully optimised Dispatch plans delivering freight cost savings up to 16.5%



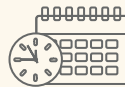
Problem Statement:

The Dispatch environment is a flux of data. **Manually handling** this data creates anomalies that need to be addressed. **Real-time monitoring** of this Big Data space has, therefore, become a critical element in **increasing** the overall **operational efficiency**. Complexities abound in the Dispatch ecosystem makes manual planning inexplicable to account for real-time updates/ changes, thereby **missing out** on any **cost optimisation** opportunities. The planning is therefore, suboptimal when done manually.

Therefore automation & optimisation of Dispatch plans that deliver higher operational efficiency are needed in a complex environment that has a number of factors influencing the decision-making, like:



Multiple plants servicing multiple dealers



Number of days available for dispatch



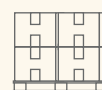
Pre-dispatch processes



Transportation rules



Production complexities



Stock availability



External factors

The VERDIS Approach:

Input

Aggregate sales requirement
(product, SKUs, variant, region & dealer /distributor level)

Production plan
(detailing the daily & plant wise target)

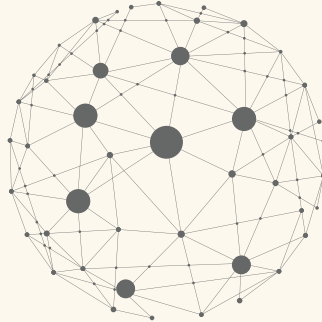
Inventory level stock for each product / variant
(each plant, warehouse, distribution centre)

Master of Static Data
(specific product / SKUs at plant, distance to market / dealer / distributor)

Holiday & shift calender
(working hours, holidays for production plant)

Bussines & operational constraints
(seasonality, weather conditions etc.)

Process



Dispatch Plans prepared through **mathematical modelling** and **scenario optimisation** allows users to run multi-stage what-if scenario, enabling VERDIS to consider **millions of solutions** before selecting the **best suited solution**. Automating Dispatch process adds to the overall productivity at an organisational level by reducing the manual man hours while optimising the cost.

Output

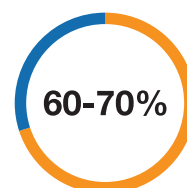
Automated & Optimised Dispatch Plan

delivered at supplier, manufacturing plant, warehouse, dealer or distributor level, by real-time monitoring of SKU quantity & source destination, stock transfer, club loading, truckload, EDA scanning

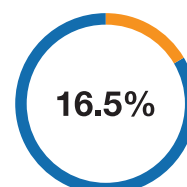
Value Creation



dispatch allocation as per demand leading to nil loss in opportunity costs as per forecast



reduction in manhour



freight cost-saving