

Depot Space Forecasting

Business Case

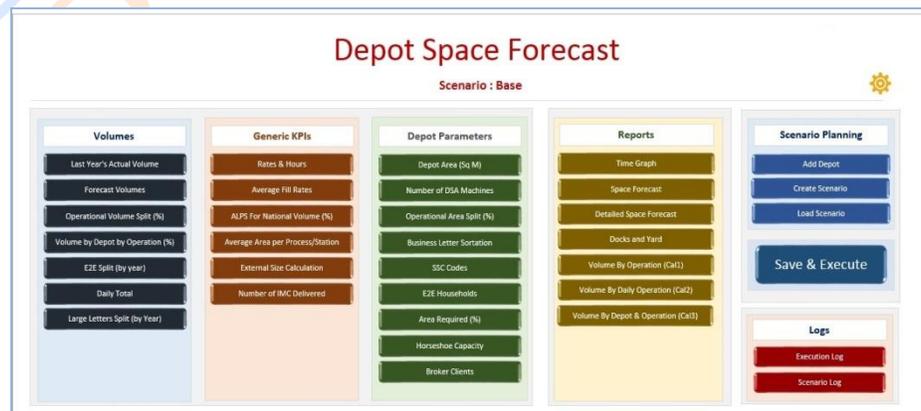
A leading postal and courier company in the UK was growing rapidly by adding new business lines to its portfolio. In order to service the new business lines, it needed to forecast the space requirement for all its different sorting and packing machines, receipt and delivery areas, pickup and parking areas for its delivery vehicles etc.

The business requirement was to take all the operational inputs and develop a space forecasting solution for a 5 year horizon that can highlight the various space bottlenecks that might occur in the future. The solution was required to be flexible to do lot of scenario analyses, have features to add new depots automatically etc. Data integrity and consistency were paramount for this multi user solution.

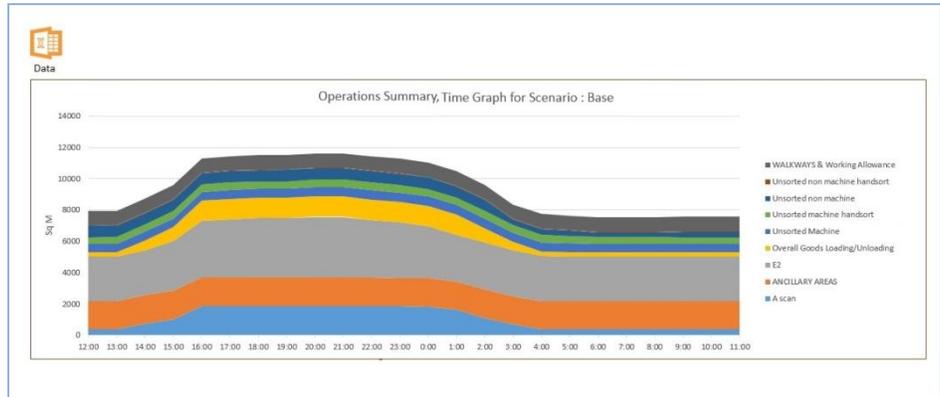
Solution

Saddle Point Technologies developed a Space Forecasting Decision Support System(DSS) based on industry standard algorithms to solve the business problem.

The entire design was done in a very generic way so that various scenarios with multiple depots, operations, capacities etc. could be modeled without changing the formulation.



The DSS had an user interface, through which the master as well as the transaction data could be changed. Adding new depots, scenarios etc. or changing the existing data and modeling parameters was extremely simple.



Some of the main reports that were provided are

- Time graph forecast report
- Dock and Yard report
- Space forecast report
- Volume by operation forecast report
- Detailed space forecast report
- Volume by operation and Depot report

