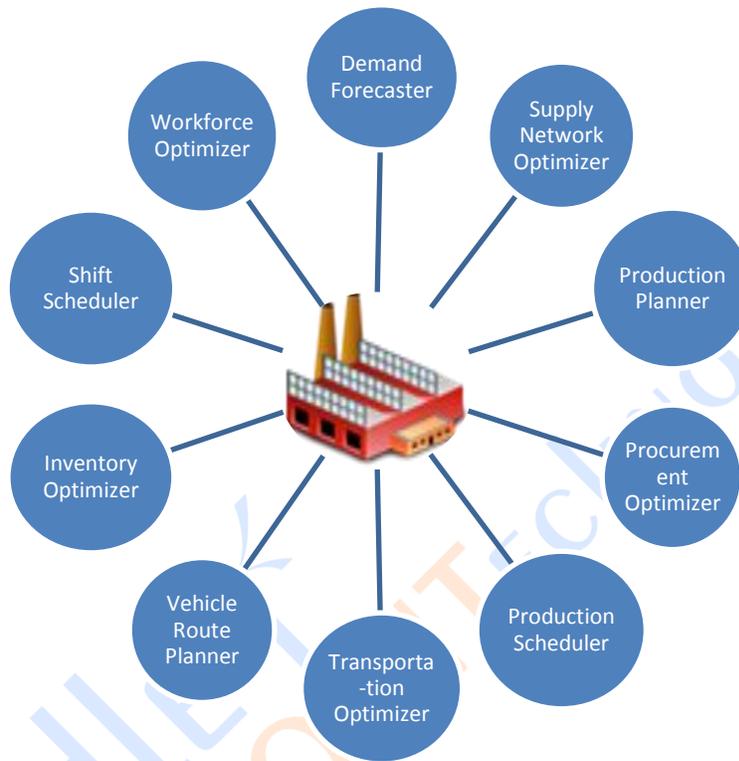


Saddle Point Technologies specializes in the design and development of business solutions using operations research techniques to solve a wide range of business problems.

Saddle Point IBP Cloud Suite is a fully integrated, easily configurable and feature rich cloud based planning suite with a SaaS offering. Planning modules listed below make this an ideal platform for an end-to-end integrated planning across the organization.



Saddle Point offers the following portfolio of products and solutions in our cloud suite

Integrated Business Planning	Demand Forecasting (Time series, Causal, Composite)
Supply Network Optimizer	Production Planning for both Discrete and Process Industries
Production Scheduler	Procurement Planner
Inventory Planning and Optimization	Transportation Planner
Vehicle Routing & Scheduler	Workforce Scheduler
Shift Scheduler	Supply Chain Business Analytics

Competencies

Optimization	Meta Heuristics
Constraint Programming	Forecasting
Simulation	Business Analytics

Products and Solutions

The cloud based IBP solution is extremely useful for mid-sized companies looking for user friendly, feature rich and cost effective solution.

Demand Forecaster

The forecasting solution uses Time series, Causal and Composite modelling to forecast sales. The algorithms can accurately detect patterns in the data like seasonality, trend and cyclical and can forecast based on historical patterns. Algorithms for treating sporadic and intermittent data are also part of the algorithm block. Special algorithms are built into the solution to take care of data anomalies like missing data and negative values.

The forecasting solution is extremely useful for FMCG, Consumer durables and Hi-tech industries.

Supply Network Optimizer

Minimize your total supply chain cost by re-designing your supply network using our latest network optimization tool. From a probable set of vendors, manufacturing plants and warehouses, the best locations would be selected by considering the market demand, service levels, various fixed and variable costs, possible product mix, taxes and transportation costs.

The network optimization tool is suitable for companies trying to rationalize their supply chain network.

Production Planner

Optimize your procurement plan (optimal procurement quantity from each supplier), production plan (optimal product mix and production quantity), inventory plan (optimal quantity of stock at each warehouse) and

transportation schedule (optimal route, quantity and vehicle selection) based on the forecasted demand, various cost elements, customer specific selling prices, availability of raw materials, production capacities, production and transportation lead times and safety stock requirements.

The production planning solution is suitable for mid and large sized manufacturing companies.

Production Scheduler

Assign your work orders to production resources in an optimal way so that the setup costs are minimized and the production time is reduced. Constraints like preceding activities, succeeding activities, multi activity resources, inventory points etc. can be modelled.

The production scheduling solution is suitable for mid and large sized manufacturing companies.

Inventory Optimizer

Optimize the placement of inventory in a multi node and multi echelon network by considering various parameters like storage costs, stock out costs, customer level SLAs, demand and supply variability and supply lead time.

This solution is particularly suitable for FMCG, Consumer durables and Hi-tech companies.

Procurement Optimizer

Optimize your procurement plan across multiple vendors by considering volume discounts, supplier

capacity, lead time, transportation cost, various taxes etc. Constraints like MOQ, min-max quota, lot size can also be modelled.

The procurement optimizer is suitable for medium and large sized trading companies

Transportation Optimizer

The transportation optimizer optimizes the transportation plan and minimizes the transportation cost using the available transportation capacities effectively. Fixed cost, variable cost, transportation capacity, transportation time etc. can be modelled.

The transportation optimizer is suitable for large transportation, cargo or courier companies

Vehicle Route Planner

Efficient distribution of goods and optimal selection of vehicle routes can be done using the route planner. Automatic time and distance calculation, multiple pickup and drop points, fixed and variable cost of transportation, permissible time windows etc. are some of the features of this planner.

The vehicle route planner is suitable for medium and large sized cargo and courier companies

Workforce Optimizer

Allocate a set of resources with multiple skill sets, different billing rates and different expertise levels to a set of projects requiring varied skill sets at different phases of multiple projects being executed simultaneously while considering constraints like skillset ramp up time, work day calendar, resource holiday calendar etc. in the most cost effective way.

The workforce optimizer is suitable for medium and large software companies running multiple parallel projects.

Shift Scheduler

Reduce the drudgery of shift planning with our simple to use shift scheduling tool. Most of the shift allocation rules like limiting the numbers of consecutive night shifts, minimum off time, forbidden consecutive shifts, option for double shifts etc. can be modelled.

The shift scheduling tool is suitable for hospitals, retail outlets and process industries.

SCM Analytics

Supply Chain analytics is provided as service on top of the solution offerings. Statistical packages like R and Mathematica and analytical packages like Rapidminer are used for providing these services. Analytics solutions for fraud detection and inventory cost analysis were developed using a combination of statistical tools and custom development.

Deployment Options



Desktop Application



On Cloud



Web Application



Solution-as-a-Service