SCMWORX

Saddle Point Technologies

Cloud Based Integrated Supply Chain Planning and Optimization Suite

Building Operational Efficiency in Complex Supply Chains

Procurement Planner

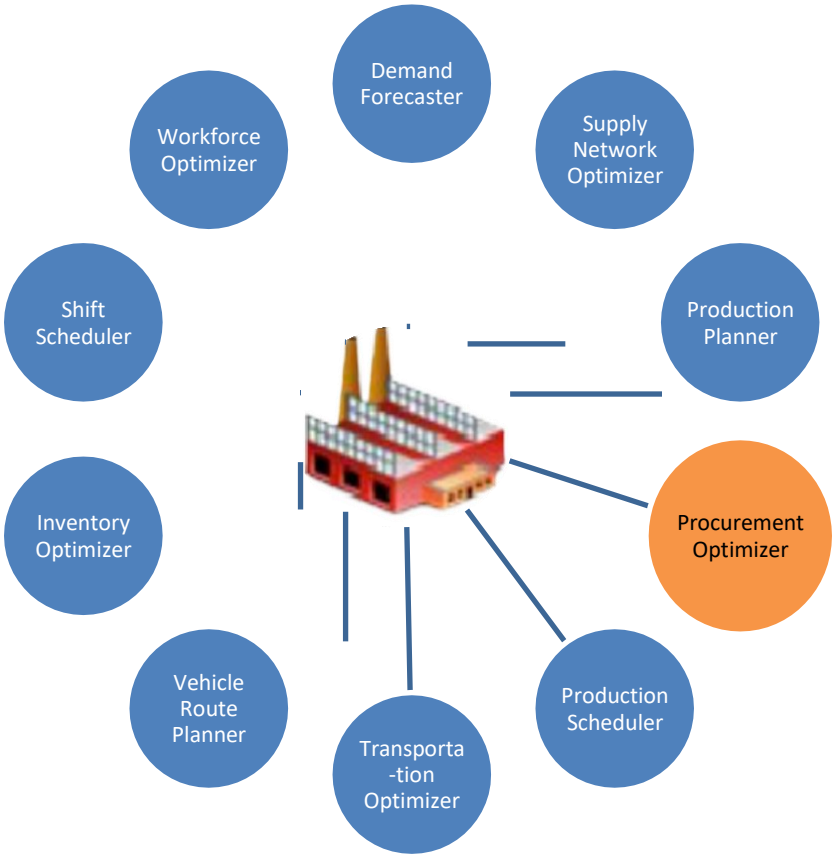
Procurement Optimizer

This tool optimizes the procurement plan (optimal quantity to be procured from each supplier) and transportation plan based on the demand forecast at factories, availability & selling price of raw materials, minimum order quantity for each supplier, supplier quota, supplier lead times, lot size requirement, transportation costs & lead times, applicable taxes etc.

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

IBP Cloud Suite

Saddle Point IBP Cloud Suite is a fully integrated, easily configurable and feature rich cloud based planning suite with a SaaS offering. Procurement Optimizer module is part of the planning suite helping in closing the gap between demand and supply. Procurement Optimizer can be easily integrated with some of the other modules in the suite.



Key Questions answered

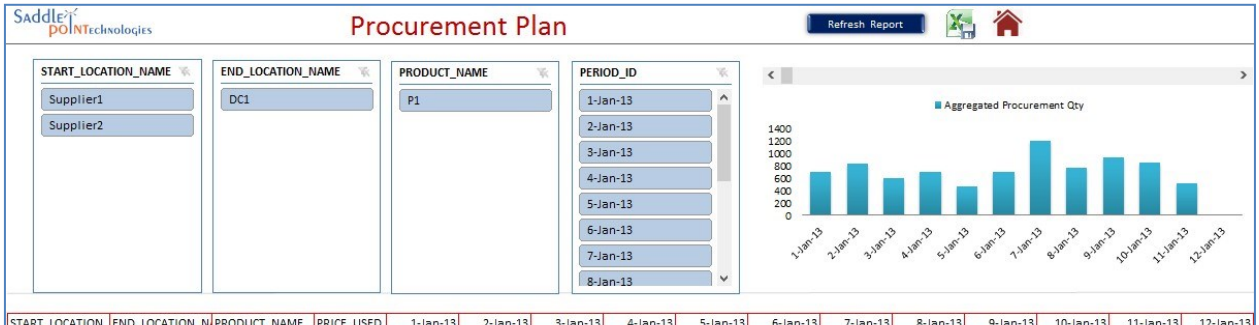
- How to minimize the total procurement cost considering minimum order quantities, discount prices, supplier quotas, transportation costs etc.?
- What is the quantity to be procured from each supplier at each factory in each period by optimal use of discount price which is as per order quantity and other criteria?
- What is raw material mix to be procured from each supplier in each period?
- What is quantity to be transported between each supplier and DC in each period?
- How much inventory to be hold at each node of the supplier network to satisfy inventory targets, lead time requirements?
- How much is the demand satisfied, shortage, goods delivered late in each bucket?

Features:

- Minimum and maximum quotas for each supplier
- Raw material availability given by supplier at raw material group level with swap ratio for each raw material in the group
- Volume based pricing for raw material (i.e., discounts on high volumes)
- Possibility to integrate with Saddle Point Vendor Selection tool which qualifies and selects the vendors based on different criteria's using Analytic Hierarchy Process (AHP)
- Network of suppliers, supplier DCs and factories with transport cost and lead times
- Price negotiation feature
- Quality factor for each supplier
- Minimum order quantity and lot sizing
- Spot purchase Vs early procurement (inventory pile up)
- Option for planning in monthly, weekly and daily buckets
- Scenario planning with multiple versions of data

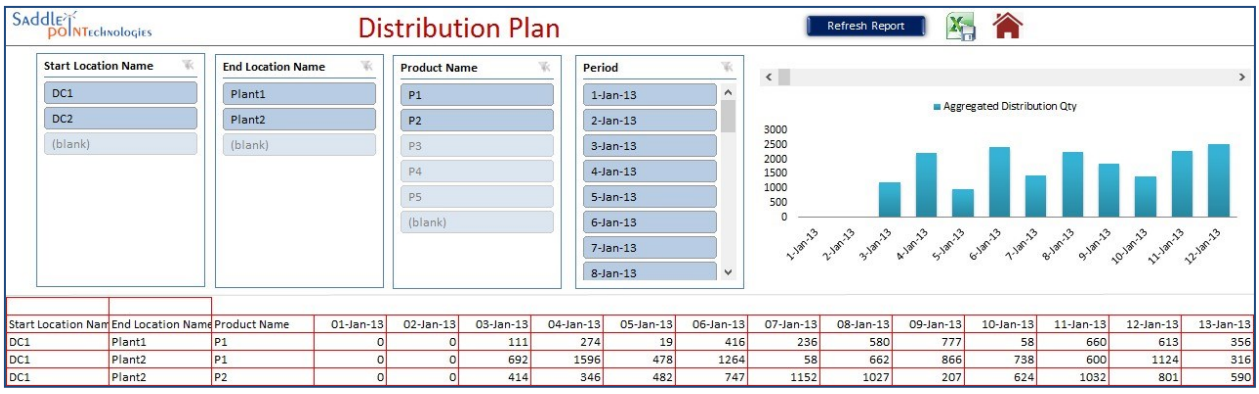
Reports:

Procurement Report:



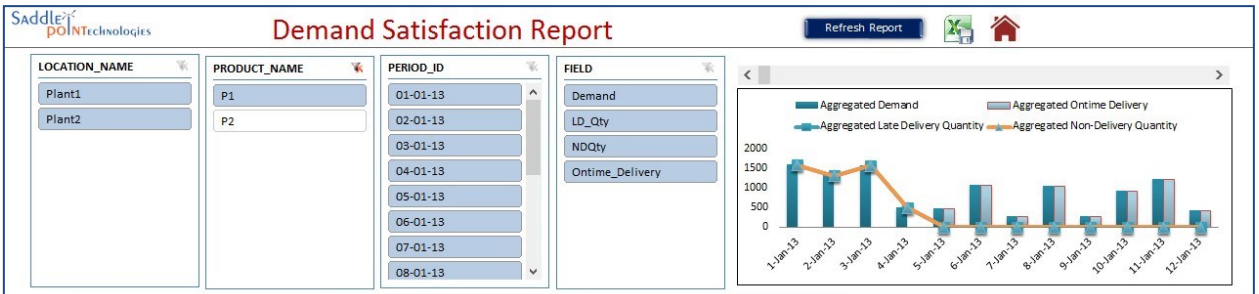
START_LOCATION_	END_LOCATION_N	PRODUCT_NAME	PRICE_USED	1-Jan-13	2-Jan-13	3-Jan-13	4-Jan-13	5-Jan-13	6-Jan-13	7-Jan-13	8-Jan-13	9-Jan-13	10-Jan-13	11-Jan-13	12-Jan-13
Supplier1	DC1	P1	0.96	700	700	700	700	700	700	700	700	440	415	427	0
Supplier1	DC1		0.97	0	0	0	0	0	0	0	0	0	0	0	0
Supplier1	DC1		0.98	0	0	0	0	0	0	0	0	0	0	0	0
Supplier2	DC1	P1	2.00	0	129	0	0	0	0	192	72	491	444	87	0

Distribution Report:



Start Location Nam	End Location Name	Product Name	01-Jan-13	02-Jan-13	03-Jan-13	04-Jan-13	05-Jan-13	06-Jan-13	07-Jan-13	08-Jan-13	09-Jan-13	10-Jan-13	11-Jan-13	12-Jan-13	13-Jan-13
DC1	Plant1	P1	0	0	111	274	19	416	236	580	777	58	660	613	356
DC1	Plant2	P1	0	0	692	1596	478	1264	58	662	866	738	600	1124	316
DC1	Plant2	P2	0	0	414	346	482	747	1152	1027	207	624	1032	801	590

Demand Satisfaction Report:



LOCATION_NAME	PRODUCT_NAME	FIELD	1-Jan-13	2-Jan-13	3-Jan-13	4-Jan-13	5-Jan-13	6-Jan-13	7-Jan-13	8-Jan-13	9-Jan-13	10-Jan-13	11-Jan-13	12-Jan-13	13-Jan-13
Plant1	P1	Demand	839	547	874	496	111	274	19	416	236	580	777	58	660
Plant1	P1	NDQty	839	547	874	496	0	0	0	0	0	0	0	0	0
Plant1	P1	Ontime_Delivery	0	0	0	0	111	274	19	416	236	580	777	58	660
Plant1	P1	LD_Qty	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant2	P1	Demand	745	767	693	1	346	798	239	632	29	331	433	369	300
Plant2	P1	NDQty	745	767	693	1	0	0	0	0	0	0	0	0	0
Plant2	P1	Ontime_Delivery	0	0	0	0	346	798	239	632	29	331	433	369	300
Plant2	P1	LD_Qty	0	0	0	0	0	0	0	0	0	0	0	0	0

Contact

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