

SAP IBP for Supply & Response

- Optimized supply planning and response based on cost efficiency



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Integrated Business Planning is the concept of integrating the demand forecasts, supply plans, inventory projections and the financial plans in one unified model.

Supply and Response ensures that customer demand and desired stock levels are balanced in the most cost optimized way, taking constraints for the whole supply network into account.



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The integrated end-to-end process



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1. Review customer demand, run the optimizer and identify the most costly supply shortage.
2. Identify if any bottlenecks triggered by insufficient capacity or stock arise.
3. Prioritize which demand to satisfy based on cost.
4. Simulate and compare supply scenarios, and share with relevant stakeholders for decision-making.
5. Confirm and promote scenario as the current supply network plan and release to the S&OP manager.
6. View the planning result in the IBP Dashboard and update the status in the communication tool.

- ✓ Fulfill inventory targets set by the inventory planner
- ✓ Gain visibility of projected stock or shortages at different aggregation levels
- ✓ Create alerts in order to pinpoint potential capability issues or bottlenecks
- ✓ Include financial aspects in plan and obtain a cost optimized production plan
- ✓ Flexible modelling of constraints on material and capacity level
- ✓ Use collaboration capabilities internally and external in order to do manual adjustments

Excel as the main front end and analytic dashboard

The screenshot displays the SAP IBP Excel interface. On the left, there's a 'Process: Supply Planning' section with a progress bar showing 'Completed' for 'Review Customer Dem...' and 'Run Optimizer and rev...', and 'In Progress' for 'Scenario Planning'. Below this are two charts: 'U62-Capacity Utilization by Resource' (a heatmap) and 'U62-Capacity Usage by Resource' (a bar chart). On the right, there's a 'SOP 050 Supply Planning' window with a data table and a bar chart. The table shows capacity supply and usage for various resources over time.

Resource ID	Location ID	Key Figure	2016 W40	2016 W41	2016 W42	2016 W43	2016 W44	2016 W45	2016 W46	2016 W47
1010 Assembly	1010	Capacity Supply	1,000	1,120	1,120	1,120	1,120	1,120	1,120	1,120
		Capacity Usage of Production	1,000	1,619	1,514	2,002	2,294	2,265	2,330	
		Capacity Utilization	100%	145%	142%	206%	205%	202%	199%	
1010 Pack	1010	Capacity Supply	1,120	1,120	1,120	1,120	1,120	1,120	1,120	1,120
		Capacity Usage of Production	1,099	1,619	1,514	2,002	2,294	2,265	2,330	
		Capacity Utilization	143%	145%	142%	206%	205%	202%	199%	
1010 Subassembly	1010	Capacity Supply	1,120	1,120	1,120	1,120	1,120	1,120	1,120	1,120
		Capacity Usage of Production	1,268	1,286	1,268	1,917	1,941	1,908	1,921	
		Capacity Utilization	113%	115%	113%	173%	173%	170%	172%	
1310 Assembly	1310	Capacity Supply	1,840	1,840	1,840	1,840	1,840	1,840	1,840	1,840
		Capacity Usage of Production	1,722	1,654	1,647	1,735	1,679	1,684	1,754	
		Capacity Utilization	93%	90%	89%	94%	91%	91%	95%	

- ✓ Excel data sheet as the planning workbook where data is viewed, changed, keyed in, or calculated.
- ✓ Classic excel functions can be used in the workbook
- ✓ With the Excel front end it is possible to work offline and synchronize your data later on.

- ✓ The workbook layout and graphs can be customized and shared with colleagues. Administrators can create and customize workbooks and make them available across the organization.
- ✓ Excel is connected to the HANA database which ensures a fast update and simulation of changes.