



## SAP-APO-Supply Network Planning

Supply Network Planning is a set of functionalities around Distribution Requirement Planning, Deployment, Demand and Supply Matching and Optimization. It is a module in the Advanced Planner and Optimizer (APO) that enables organizations to determine sourcing, production plans, distribution plans, and purchasing plans. The system draws on the data universally available in liveCache to optimize such plans based on optimization algorithms and heuristic approaches that enable the planner to define rules and inventory policies.

This is a 35-40 hours course starting with an overview of the SOP, MPS and MRP Processes, followed with the master data needed for the process. It then continues with the configuration of the different planning objects, the functionality of the different planning engines and the end-to-end process.

The course includes the case studies and exercises starting with the network design, creation of Models, simulation versions etc.

- Introductions to Supply Chain Management
- APO Overview - Different modules in APO - DP/SNP/GATP/PP-DS/SPP/CIF etc.
- Overview of Supply Planning Concept and the S&OP Process
- Design of supply chain network
- Master data for the SNP - Products, Locations, Resources, PDS/PPM, Transportation lanes etc.
- CIF Core Interface : Introduction to Architecture of Integration between ECC and APO.
- Master Data and Transaction data Integration with ECC/R/3 systems.
- Supply Planning methods - Heuristics, Optimization & CTM - Concepts, process and configuration.
- Deployment/Shipment planning, Network planning in APO.
- Transport Load Builder / Truck load building process.
- Releasing Supply Plans to DP, PPDS, ECC
- Alerts and Exceptions processing in SNP.
- Release of Forecast/Demand Plans from DP to SNP and ECC for downstream planning.
- Exception Processing and Alert Generation