With Adexa S&OP solution, you also get embedded S&OE to perform both *horizontal* and *vertical planning*. Thus, automatically translating plans to execution

Sales and Operations Planning (S&OP)

Supply chain challenges

Whether you're a mid-to-large manufacturer with multiple plants and inventories across multiple locations or a smaller firm coping with the challenges of high growth in products, customers, and markets, your challenges and goals are similar.

- Reduce lead-times, without increasing excess inventory
- Reduce cost of operations and be able to increase service levels close to 100%
- Prevent outages and shortages, without taking on large inventories of components and supplies
- Align sales and production plans, without over investing in capacity
- Balance supply and demand across the enterprise with improved visibility

Adexa solutions enable companies to reduce customer lead times, increase order fill rates, and avoid capacity and materials shortages at the same time achieving optimal inventory buffers across the supply chain.
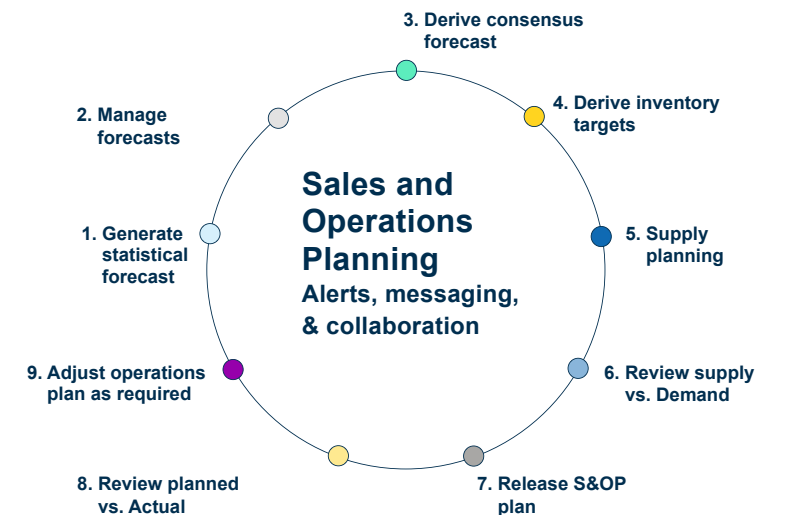
The Adexa solution

Adexa provides a scalable, secure, and comprehensive workflow-based solution that encompasses forecasting, demand planning, inventory optimization, material and capacity planning, and supply planning into a unified, end-to-end collaborative environment. With the Adexa AI-powered S&OP solution the system is constantly learning to improve itself to perform the following:

- Adexa uses stochastic planning approach to form a true digital twin
- The system decides optimal inventory levels based on your service-level commitments by product and customer
- Allows time-varying business rules — such as sourcing across multiple plants and multiple suppliers with qualifications and postponement strategies
- Identifies imbalances, capacity bottlenecks, and material shortages in real-time
- Performs scenario analysis in real-time and get recommendations from the system
- Demand planners, inventory planners, and production planners can iterate through multiple plans (sharing data in real-time) until they are satisfied with forecasts, projected inventory levels, and the allocation of supply to demand

Benefits of Adexa S&OP

S&OP performs high level optimization and balances supply and demand across the enterprise. The supply chain is ever-changing. Adexa Genies© using Machine Learning (ML), are continuously monitoring relevant events and messages both internally and externally and respond and learn from them to improve operations to self-correct and self-improve the supply chain operations. This dynamic and learning environment enable to solution to:

- Reduce excess inventory and free up capital
- Reduce your lead times and increase velocity of business
- Perform real-time scenario analysis
- Let Adexa Genies constantly correct the model
- Get near-perfect service levels
- Merge planning & execution
- Respond to demand spikes in real-time
- Improve asset utilization and eliminate expediting cost
- Gain greater purchasing leverage

Sales and Operations Planning Alerts, messaging, & collaboration

1. Generate statistical forecast
2. Manage forecasts
3. Derive consensus forecast
4. Derive inventory targets
5. Supply planning
6. Review supply vs. Demand
7. Release S&OP plan
8. Review planned vs. Actual
9. Adjust operations plan as required

Real Bottom-Line Benefits

Adexa delivers solutions that synchronize financial/operations planning (S&OP) and execution (S&OE) in ONE unified model. In your journey to autonomous planning we create a supply chain digital twin that performs both planning & execution as more data is added. No need to acquire additional systems with disjointed data models and additional data bases. Adexa truly merges planning and execution.