



Vishay Intertechnology Inc., a Fortune 1,000 Company listed on the NYSE (VSH), is one of the world's largest manufacturers of discrete semiconductors & passive electronic components. Vishay has implemented SAP ECC, BI and SAP SCM

HEADQUARTERS
Malvern, PA

INDUSTRY
Semiconductors –Broad Line

COMPANY SIZE
22500

WEBSITE
www.vishay.com

Business Challenges

- Implement a constraint based planning for the semiconductor Mosfet division to improve the customer commitments
- The constraining planning results will drive the manufacturing of the wafers, Assembly, Test at the in-house frontend and backend facilities, wafer vendors and backend subcontractors.

The Resolution

- Designed a new product nomenclature to integrate the MES semi finished WIP part numbers and locations with the SAP part numbers and plants
- Designed an interface to integrate the MES WIP to the SAP ECC to SAP APO for WIP visibility for Planning
- Implemented a CTM Engine for constraint based planning to generate a finish good plan for order commitment to customers, Wafer start plan for wafer starts at the wafer facilities, Assembly and Test location selection based on capacity constraints for Assembly and Test starts.
- Designed BW reports for Demand Supply, Capacity, Starts and Outs reports, and simulation reports for constrained and unconstrained planning runs.

Key Benefits

- The customer commits are based on automated CTM run supply plan based capacity availability.
- Production plans and starts are generated based on the constraints in the supply chain
- The planning cycle is reduced to a week for production starts for frontend and backend planning. The ATP planning cycle is near real time with a daily planning run.
- Improved efficiency and visibility of the supply chain WIP, one single database of part numbers, WIP, planned orders and an automated planning run.

About Intrigo

We empower enterprises for the future.

Intrigo Systems, Inc. is a premier SAP Partner and a leading provider of Advisory, Implementation, and Managed Services. Intrigo has partnered with SAP in the design of their Advanced Planning and Optimization (APO), Integrated Business Planning (IBP), and Collaborative Supply Chain (CSC) environments. We are focused on delivering customer value in the dynamic SAP Enterprise technology landscape.



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