Fabless Planning on Demand

Demand and Supply Planning Software as a Service for Growing Fabless Semiconductor Companies

The fabless semiconductor business model presents great opportunity, as well as increased complexity, across the semiconductor value chain. As an IP-focused fabless company begins to achieve scale, superior supply chain performance quickly becomes a prerequisite for achieving critical market-share and profit-margin goals.

From a supply chain perspective, comprehending changing customer demand and rapidly synchronizing global supply is essential to creating sustained competitive advantage. Growing fabless companies need integrated demand and supply planning solutions to dramatically increase customer satisfaction and cash flow while making optimal investments in inventory.

For more than 20 years, i2 has delivered value to fabless and IDM semiconductor companies around the world. We provide industry-leading Advanced Planning Solutions that incorporate semiconductor industry best practices. Seven out of the top 10 semiconductor companies use i2 solutions today.
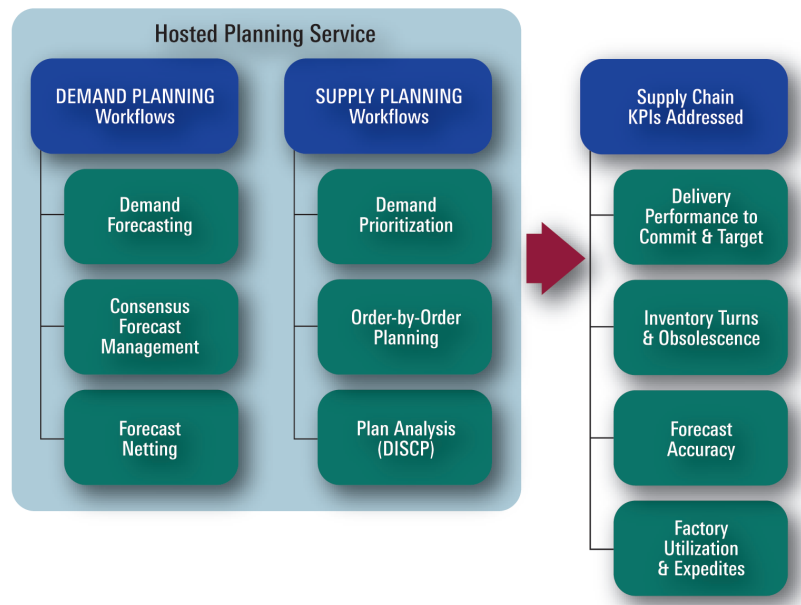
i2 Fabless Planning On Demand

For growing fabless companies, i2 offers advanced demand and supply planning software as a service, which leverages i2's semiconductor solutions in a hosted, low-cost subscription environment. This offering enables companies to rapidly automate and optimize supply chain planning through a low-impact transition.

i2 Fabless Planning On Demand delivers full web access to generate reliable demand forecasts and to create optimized master production plans supported by rich analytics and reporting. The integrated solution bridges the gap between front- and back-end planning and helps companies satisfy customer demand efficiently, while improving overall profitability.

Benefits

- Dramatically improve forecast accuracy and delivery performance
- Optimize inventory investments
- Reduce total cost of ownership with monthly subscription offering
- Go live in 6–8 weeks

Hosted Planning Service

DEMAND PLANNING Workflows
- Demand Forecasting
- Consensus Forecast Management
- Forecast Netting

SUPPLY PLANNING Workflows
- Demand Prioritization
- Order-by-Order Planning
- Plan Analysis (DISCP)

Supply Chain KPIs Addressed
- Delivery Performance to Commit & Target
- Inventory Turns & Obsolescence
- Forecast Accuracy
- Factory Utilization & Expedites

"Without i2's advanced planning solutions, we would not have been able to scale to the level we are at today."
—Cecilia Claudio, former CIO

SanDisk

Integrated Supply Chain Planning

DEMAND PLANNING	SUPPLY PLANNING
Generating reliable forecasts is a critical requirement for a growing fabless company. i2's demand planning workflows deliver a complete view of global demand at a single source and produce fast, accurate insights to support cross-functional demand management. i2's structured consensus workflow combines multiple functional views of demand and assimilates perspectives from Sales, Finance, and Operations to create a single version of the truth, as well as a fully-netted, buildable forecast. This demand view acts as the company's system of record for demand, allowing direct, real-time access to enter design wins, perform "what-if" analyses and to drill down into sales region, product, customer and time dimensions to review aggregated and disaggregated versions of overall demand. The result is improved forecast accuracy and more reliable demand visibility, which leads to enhanced customer delivery performance and reduced inventory across the supply chain.	i2 supply planning workflows integrate front- and back-end planning and enables companies to model complex manufacturing networks so that they can balance supply chain risks and costs with customer service priorities. A sophisticated demand prioritization workflow incorporates customer-specific attributes and requirements, along with constraints and organizational goals. This complete supply framework results in optimal capacity allocation across customer tiers, product types, and demand types, enabling companies to meet their customer service and profitability targets. An intelligent supply planning optimization workflow produces a global master plan that delivers comprehensive analysis and visibility, and proactively identifies exceptions and supply chain constraints. This master plan includes a shipment and fulfillment plan, manufacturing plan, inventory plan, procurement plan, resource plan, and root-cause reports. The result is higher customer service levels, reduced inventory, and improved cash flow.

"i2 solutions were the only solutions that were able to meet our requirements. And i2's semiconductor template made our implementation much easier."

— Director, Supply Chain
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Reporting and Analytics

i2 Fabless Planning On Demand delivers a full set of actionable reports and dashboards, providing complete visibility and analytics on plan quality and key performance indicators. This enables plan-to-plan comparison and scenario analysis, resulting in more informed decisions. The value of these data-driven reports is expanded with i2's plan-do-check-act (PDCA) workflow, which provides closed-loop planning to drive accountability, operational efficiency, and continuous improvement.

Set Up and Go, Scale as you Grow

i2 Fabless Planning on Demand is fully hosted and incorporates preconfigured fabless semiconductor algorithms for fast provisioning of advanced planning software as a service. To accelerate and support a low-impact transition, i2 has built a structured migration plan and complete set of templates and processes to securely load and manage customer data. This enables companies to start realizing benefits in six to eight weeks. In addition to Fabless Planning On Demand, i2 also provides business optimization services that give companies access to recognized experts in the field, which helps support evolving requirements of growing companies.

For more information, please visit www.i2.com/fabless.

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