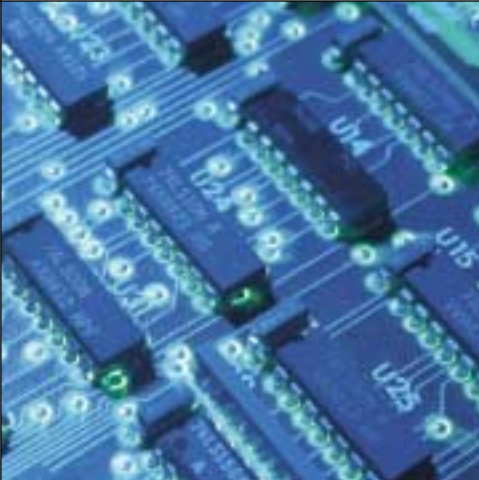




ADEXA

ENTERPRISE GLOBAL PLANNING SYSTEM



Capital-intensive processes. Long manufacturing and planning cycle times. Highly volatile demand. From foundries, to assembly & test plants, to fabless manufacturing, the complex global supply chains that comprise the semiconductor industry are under pressure to lower costs, improve customer service, and improve Return on Assets at every point. Your response:

Adexa eGPS for Semiconductor



Stabilize Demand Planning

Integrate demand data from multiple sources including OEMs, subcontractors and distributors into reliable consensus forecasts in real-time.

Reduce Inventory Exposure

Extend visibility up and down the supply chain to optimize the use of diebank inventory to be more flexible in response to short-term demand fluctuations.

Build the "Virtual Factory"

Fabless manufacturers can optimize capacity and lead times by generating a "virtual factory" to model and manage global resources as a single integrated supply chain.

Synchronize Multi-Site Production

Establish a common language for capturing data and feeding decisions back to varied legacy systems and shop floor applications.

Enable Collaboration

Deliver better information faster so trading partners can react quicker to changes in the supply chain, helping to reduce inventories and increase customer responsiveness.

Optimize capacity with improved forecasting. Reduce cycle times and inventories in step with demand.

Every semiconductor environment poses a unique array of business challenges. Companies who wish to be competitive must synchronize activities across a highly distributed network of plants and facilities to minimize costs while maximizing revenues, customer service and return on assets (ROA). To do this, you need highly configurable, collaboration-based planning software that can simultaneously consider the constraints of all participants within the extended supply chain. Adexa Enterprise Global Planning System (eGPS) shows you the way.

Increase planning accuracy with reliable demand forecasts

Capacity planning is often undermined by contradictory demand signals that only emerge after production is underway. With the extraordinary problem-solving speed of eGPS, you can turn conflicting signals into intelligent consensus forecasts that present a truer picture of exactly what is required from the supply chain. eGPS quickly rationalizes input from all kinds of sources, from historical data to third-party analyses about the market, providing greater reliability in long-term projections and heightened responsiveness to short-term fluctuations.

Stabilize and optimize inventories at every stage of production

In complex supply chains, small distortions in demand forecasts are magnified to extreme levels as each link compounds the error with its own safety margin. Then, when actual orders arrive, the entire supply chain pays the cost of obsolete or surplus inventories, failed deliveries or missed sales. Ultimately, the result is wasted capacity and lost profit. With the end-to-end visibility and more responsive forecasting, cycle times can be compressed dramatically in planning, scheduling and manufacturing, so capacity can be allocated more responsively. Meanwhile, die banks and inventories can be managed with greater precision to improve cost efficiencies up and down the entire supply chain. The reduced cycle times pay off by moderating short-term demand fluctuations, reducing work-in-progress inventories and minimizing obsolete stocks as new products roll out.

“With the extraordinary problem-solving speed of eGPS, you can turn conflicting signals into intelligent consensus forecasts that present a truer picture of exactly what is required from the supply chain.”

Synchronize capacity planning across distributed facilities through the “virtual factory”

Acquiring varied sources of capacity and supply is one thing; getting them to work together is another. eGPS has its roots in collaborative systems, so it's inherently suited to integrate with the varied systems across multiple facilities within the enterprise and throughout the supply chain. All eGPS modules share the same data model, providing maximum speed and scalability. Each application can be used as a stand-alone solution, and is pre-integrated with other modules for easy implementation as an interactive suite. With its open architecture, eGPS also integrates seamlessly with existing transaction and execution systems — without replacing the systems you know. As you update information and make new decisions, eGPS communicates directly with legacy MRP, configurator, logistics and accounting systems at any level in the supply chain. Whether you are supporting fabless or integrated operations, you're now in position to leverage the full potential of extended partnerships. Everyone affected by any change is alerted instantly. So everyone's moving in the same direction, at the same speed.

Turn your supply chain into an interactive channel for collaborative problem solving

When manufacturers were vertically integrated, they competed brand to brand. Now that outsourcing and specialization have fragmented the process, brands compete supply chain to supply chain. eGPS recognizes this by applying its collaborative technology base to increase visibility and streamline communications within a “virtual factory” environment embracing all the players in the supply chain. This global view becomes a powerful tool for profitability. With waste and uncertainty drastically reduced, each link in the supply chain can do its part to optimize supply, reduce costs and target capacity to their most profitable products.

eGPS for Semiconductor: Get there faster!

Before you make your next move, you should know exactly where you stand.

With Adexa eGPS, you and your supply chain partners can have a clear picture of where you're going and your position right now as you move forward on your business objectives.

eGPS points the way to more accurate planning and execution.

eGPS enables a global view of supply and demand requirements, measured against constraints, to support smarter decision-making across the enterprise and throughout the supply chain. eGPS allows you to optimize production and delivery plans for speed and profitability, and communicate the plan to all parties involved in the process, from raw materials to the final customer. When exceptions emerge or new constraints appear, eGPS automatically updates the plan and alerts stakeholders to the new directions they need to take.

Faster to Evaluate

eGPS is built on a proven platform for adaptive modeling and large-scale collaboration that enables quick configuration to fit your business systems; you can evaluate eGPS by watching your actual processes in action.

Faster to Implement

All solutions in the eGPS suite, along with the corresponding data maps to support them, are pre-integrated so there's no time wasted patching together interfaces between critical functions.

Faster to Solve

Adexa's powerful optimization engine solves highly complex problems and scenarios in seconds where other solutions require hours or days to process. Fast solving also lets you generate more supply chain “what-if” analysis at any level of aggregation or detail.

Faster to Respond

Adexa delivers all its eGPS functionality on a single data model. While other solution providers are cobbling together disparate modules acquired from other developers, Adexa eGPS can meet new customer challenges with real market-first advances.

Faster Return on Capital

With its fast implementation cycle and rapid adaptation to the processes you already know and use, eGPS starts working with you sooner to realize the full potential of your total IT and resource investment.

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