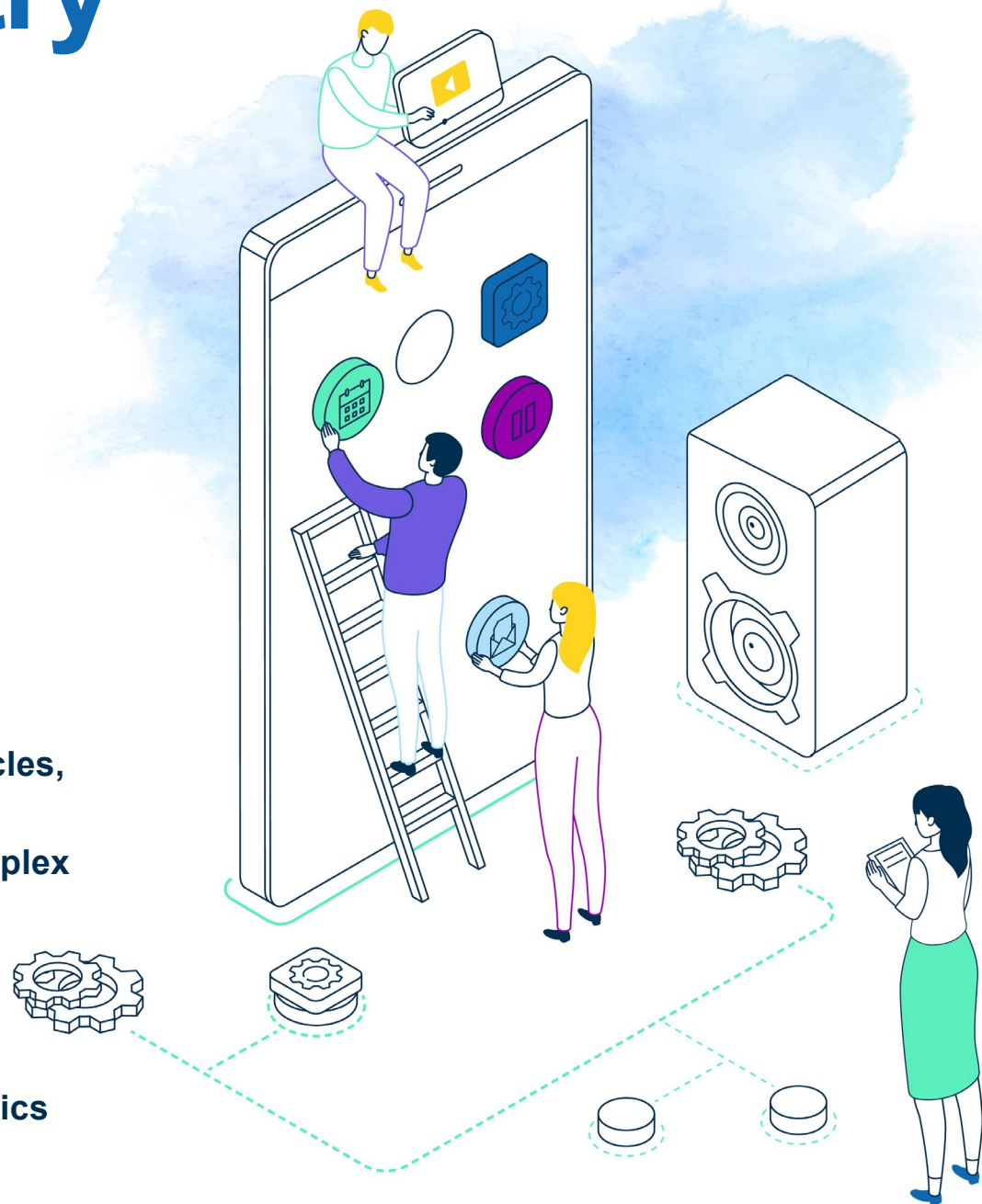


# Adexa eGPS for Electronics Industry

**Cost reduction, Improving ROI, short product lifecycles, fast response to markets, and complex sourcing are a few of the challenges facing the consumer and commercial electronics industries.**



## Optimize resources over multiple tiers and facilities. Manage lifecycles in step with high velocity customer strategies

Demand for finished goods is driven by a voracious consumer appetite for the newest and best technologies across widely varying markets. From consumer entertainment to corporate IT to medical and industrial labs, brand leaders and merchandisers have been forced to shorten lead times and insist upon continuous innovation from their suppliers in order to keep up.

As they implement new e-commerce models and VMI plans at the retail level, contract manufacturers and parts suppliers must improve planning, rationalize capacity and handle diminishing lead times to minimize the cost of under-utilized facilities. Adexa Enterprise Global Planning System (eGPS) shows you the way.

## Increase planning accuracy with reliable demand forecasts

Planning processes are often at the mercy of conflicting demand from all kinds of sources, including sales histories, or third-party analyses. With the extraordinary problem-solving speed of the Adexa eGPS solution, you can quickly generate reliable consensus forecasts and achieve finer optimization of manufacturing facilities while rationalizing available capital and human resources.

Plants and vendors can improve changeover times to serve varied markets responsively while they target capacity for the most profitable products and customers. Meanwhile, faster and more detailed analysis of demand signals supports higher accuracy in order fills, more agile change management, and more precise planning in build/configure-to-order environments.

## Manage inventories for quick response

Digital supply chain modeling with eGPS presents an accurate, detailed picture of capacities, inventories, reserves and work-in-progress at every stage of production and distribution, i.e. a true digital twin, in real-time. End-to-end visibility allows finer optimization of parts, materials and finished goods to achieve real inventory savings instead of simply shifting costs up and down supply lines.

Demand plans and inventory levels can readily compensate for short-term fluctuations and promotions without distorting signals to partners. Suppliers at every level can plan inventories with greater precision to support rapid customization, faster order-promising and reliable deliveries. Coupled with accurate long-term forecasts from eGPS, you can control safety stocks and minimize write-offs as you roll out new technologies.



### Enable Collaboration

Deliver better information faster through the digital supply chain so trading partners can operate proactively to meet your needs and minimize costs.



### Accelerate Response Times

Integrate information flows across all players in the extended supply chain to compress planning cycles and respond to orders faster.



### Synchronize Planning

Capture and consolidate data from multiple tiers of suppliers, customers and in-house systems to enable enterprise-wide planning throughout the supply chain.



### Reduce Inventory Costs

Increase visibility of all stocks and work-in-progress throughout the pipeline to minimize safety stocks and increase inventory turns.



### Optimize Assets

Analyze and improve utilization of available facilities, including capital and human resources, to rationalize assets and maximize return on existing investments.



**“With the extraordinary problem-solving speed of Adexa’s eGPS solution, you can quickly generate reliable consensus forecasts and achieve finer optimization of manufacturing facilities while rationalizing available capital and human resources.”**

**Synchronize capacity planning across distributed facilities through the digital twin of your supply chain**

Establishing global supply sources across multiple industries and markets 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 within your enterprise and across the supply chain.

Using Adexa Genies®, eGPS captures information from all sources into a single shared data model, providing a common language and planning platform for different management and shop floor application. eGPS can communicate directly with existing MRP, ERP, MES, configurator, logistics and accounting systems at any level in the supply chain. 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 electronics manufacturers were vertically integrated, they competed brand to brand. Now that outsourcing and specialization have fragmented the process, brands and merchandisers compete supply chain to supply chain. The ability to execute high- volume, high-velocity merchandising plans hangs on the optimization of the entire supply process.

Plans have to reconcile not only hard constraints such as throughput rates, batch sizes, commodity prices and transportation logistics, but also consider soft constraints such as the value of customer relationships and the long-term consequences of delivery decisions. Recent trends such as eCommerce and VMI strategies accentuate the need for even closer partnerships with suppliers.

eGPS recognizes these trends by applying its collaborative and AI/ML technology base to make the goals and constraints in the digital factory visible to 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 accelerate inventory turns and enable increased customization to fit the unique needs of the customer.

**eGPS for Electronics: Get there faster!**

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 respond**

The proven collaboration digital twin platform underlying eGPS enables quick configuration to fit your business systems so you can see your actual data and processes in action before you buy.

**Faster to implement**

All applications in the eGPS suite are pre-integrated and native to the Adexa environment. Both S&OP and S&OE reside in ONE system, truly merging planning and execution. There’s no time wasted patching interfaces between critical systems.

**Faster to solve**

The powerful AI/ML and optimization engine at the heart of eGPS forms a digital twin and solves highly complex problems and what-if scenarios in seconds where other solutions require hours or days to process. Fast solving also allows more accurate modeling at the lowest possible level of detail.

**Faster innovation**

Adexa delivers advanced functionality first because, while other solution providers are working on fixes to bundle disparate modules together from varied developers, our unified data model lets us focus development on adding real enhancements to eGPS solutions. Furthermore, Adexa Genies® enable automation of many of your business processes and constantly improve and optimize your policies such as safety stock levels.

**Faster return-on-investment**

By implementing your solution with pre-integrated modules use of attribute-based planning technology, you adapt quickly to the processes you already know and use, eGPS starts delivering benefits sooner and earning dividends on your investment faster.

**“Using Adexa Genies®, eGPS enables building a digital twin of your supply chain and your factories, and continues to self-correct the model and self-improve the policies such as safety stocks.”**

