



LLamasoft Planning by Design

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A Smarter, Easier, Faster Approach to Supply Chain Planning

LLamasoft[®]

It's Time for Something New in Supply Chain Planning

You have supply chain planning systems, but if you're like the majority of companies, existing systems leave you with unresolved planning problems, less-than-optimal or even operationally infeasible results, and unable to run important what-if analysis about daily business changes. It could take years to change your existing software. *What if you could improve your planning system with a rapidly deployable app?*

Rapidly Design and Deploy Adaptable Planning Apps

LLamasoft Planning by Design is a brand-new paradigm in a world of rigid, cost-prohibitive, time-intensive planning solutions. Now you can rapidly build tailor-made planning solutions that complement existing enterprise systems, are easy to use and maintain, and can more realistically incorporate unique business constraints and operational policies, utilizing state-of-the-art solving techniques.

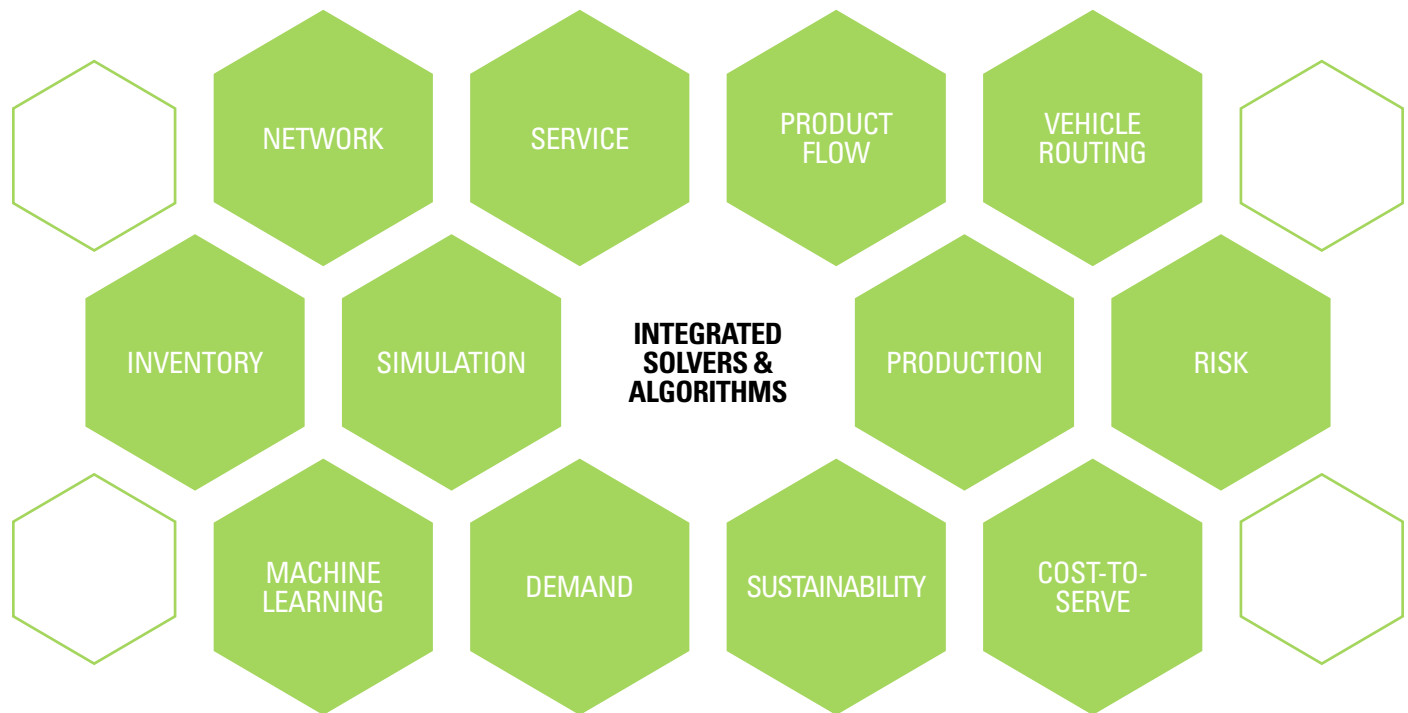
LLamasoft Planning by Design at a Glance

- Design planning solutions to address unresolved planning problems
- Complement your existing planning systems
- Most powerful analytical solvers available today
- Step change in ROI compared to modifying traditional planning systems
- Flexible deployment to business users

Unlike Traditional Planning Applications, LLamasoft Planning by Design Offers:

- Configurable app-building platform
- Easy use, rapid deployment, and accelerated ROI
- Intuitive web-based user interface
- Scalable supply chain data schema
- Access to LLamasoft's powerful analytical solvers in a user-friendly interface:
 - Demand sensing and modeling: Machine-learning techniques and correlative external data sampling
 - Multi-echelon inventory optimization
 - Service level optimization
 - Production planning
 - Product flow-path optimization
 - Transportation fleet, route, and backhaul optimization
 - Cost-to-serve optimization

Advanced Analytics = Better Planning Decisions



Planning by Design enables businesses to quickly create models of their supply chain operations, and access powerful analytical optimization and simulation engines that realistically incorporate unique business constraints and operational policies to improve your supply chain planning. It's all accessible in an easy-to-use, easy-to-deploy, and easy-to-maintain app.

When the business processes change, the apps can quickly be updated or replaced with new apps, while the user experience is maintained to help ensure continuity. LLamasoft's Applied Research team can also extend the app to address a specific need outside of the standard analytical engines.

No More Compromising When It Comes to Running Your Business

Everybody else is molding their business processes to a fixed planning technology, which sometimes means compromising on the right plan. Instead, build the apps you need for the differentiated planning capability that gives *your* business the competitive advantage.

What's Your Planning Opportunity?

Enterprise planning systems play a key role in running the supply chain, but they simply can't address every unique business challenge and change as they occur, and don't offer advanced analytics and what-if capabilities to empower your planners to make better decisions. With Planning by Design, you have an adaptable app-building toolkit to:

- More accurately model the actual supply chain process, including unique business rules
- Better optimize supply chain operations across multiple end-to-end business processes
- Be quickly reconfigured when the business process or strategy changes
- Deliver a simplified user experience for the planners throughout the company

LLamasoft Planning by Design doesn't replace your existing enterprise planning system; it makes it better by providing a rapidly-deployed solution to more accurately optimize key business problems. Create apps to rapidly respond to changing market conditions today—and create unlimited solutions to future planning challenges.



**Production
Capacity Planning**



**Distribution
Capacity Planning**



**S&OP Decision
Support**



Inventory Planning



**Transportation
Asset Planning**



Cost-to-Serve



**Sourcing
Optimization**



**Supplier & Customer
Collaboration**



**Long-Range
Demand Modeling**



**Solution to Your
Planning Problem**

“Operating without advanced analytics is becoming increasingly unrealistic, with mounting supply chain complexity and the need for faster response times.”

Gartner: Deploy Supply Chain Analytical Platforms to Build Flexible Solutions.
03 February 2017. Analyst: Noha Tohamy

Why Planning by Design?

It's FAST

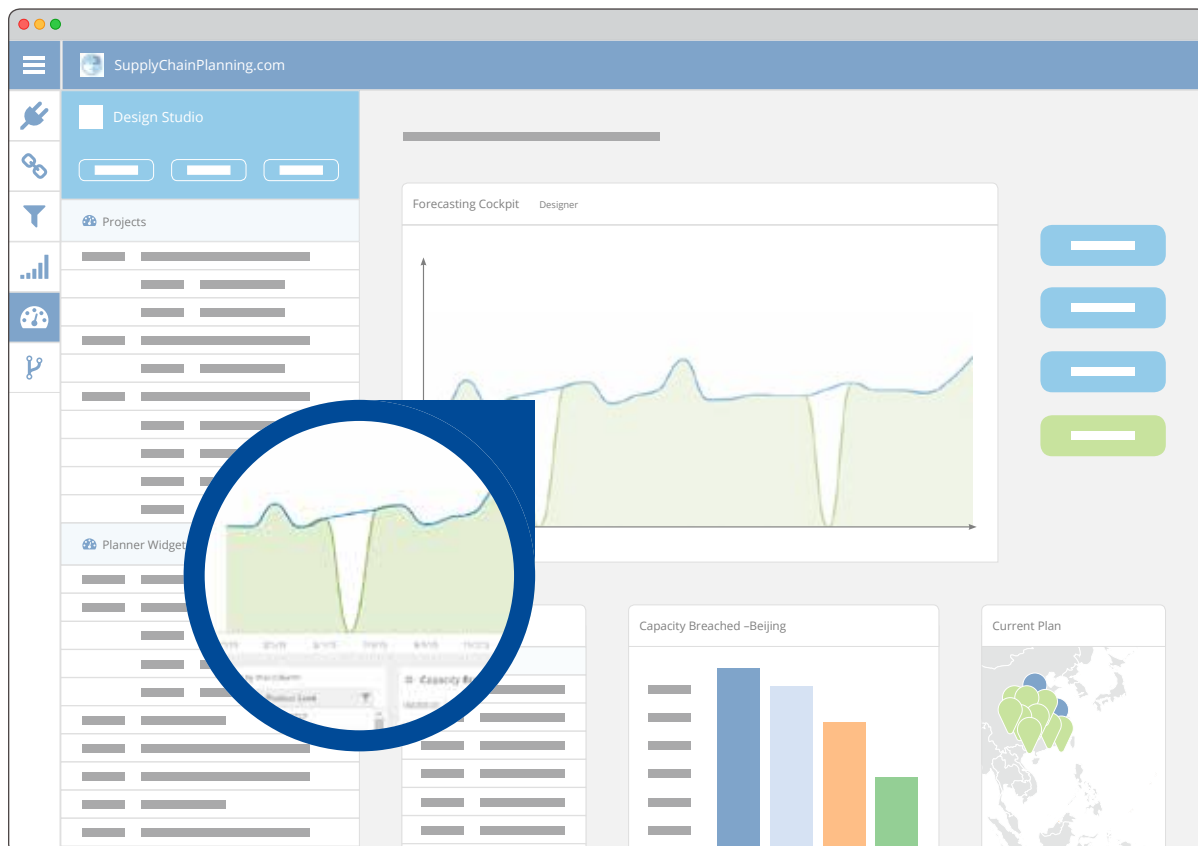
- Faster deployment of solutions
- Improve supply chain responsiveness
- More rapidly move today's strategy into tomorrow's plans

It's EASY

- Flexible deployment to business users
- Close planning gaps and solve those unique planning problems
- Integrates many technologies into an easy-to-use app specific to the business role
- Multi-user collaboration via SaaS cloud environment

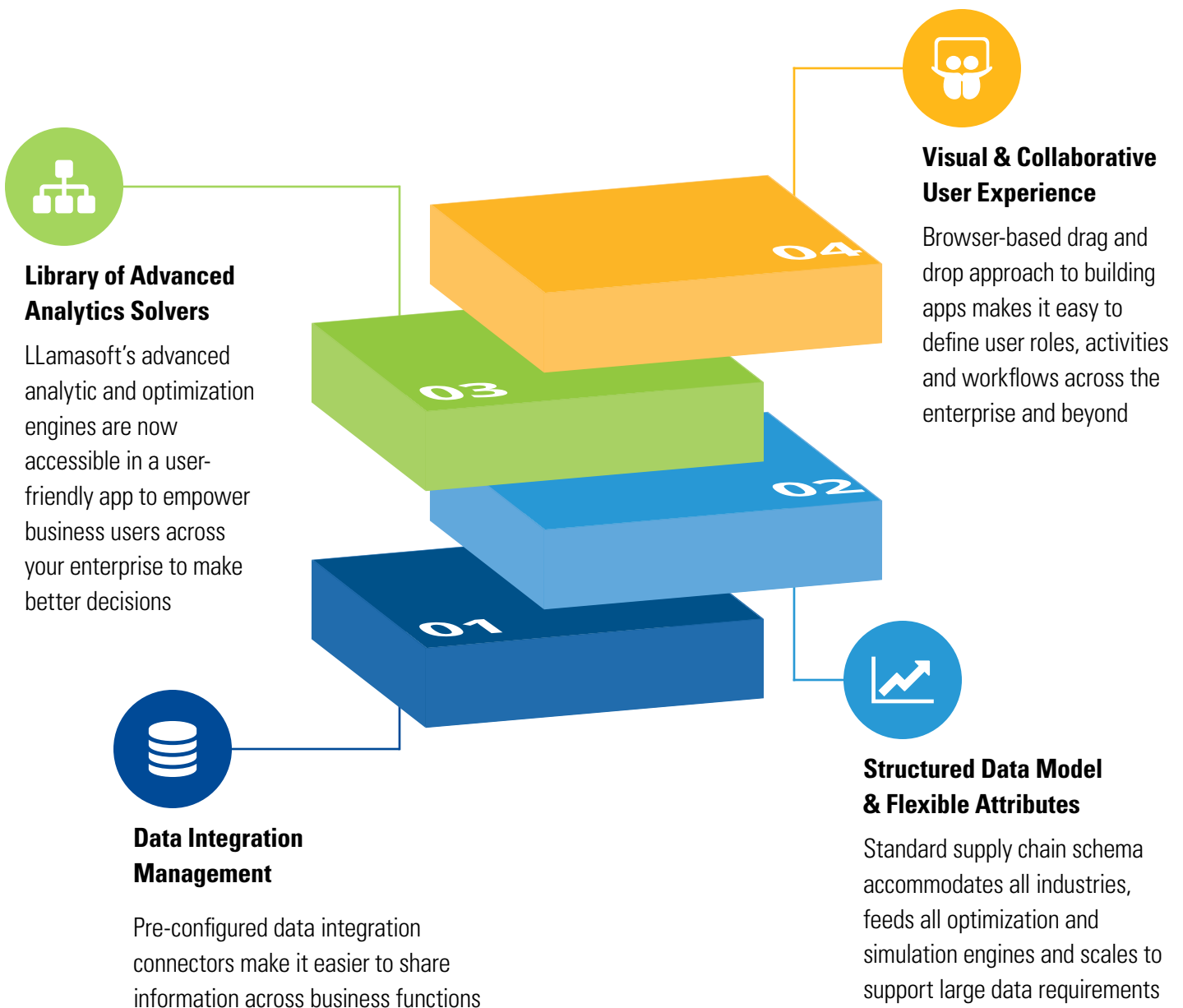
It's POWERED BY ANALYTICS

- Adaptable to your specific business process
- Most powerful analytical solvers available today
- Bridges the gap between the analysis and the business decision making
- Enables internal and external stakeholders such as vendors and customers to interact with planning activities for continuity in decision-making



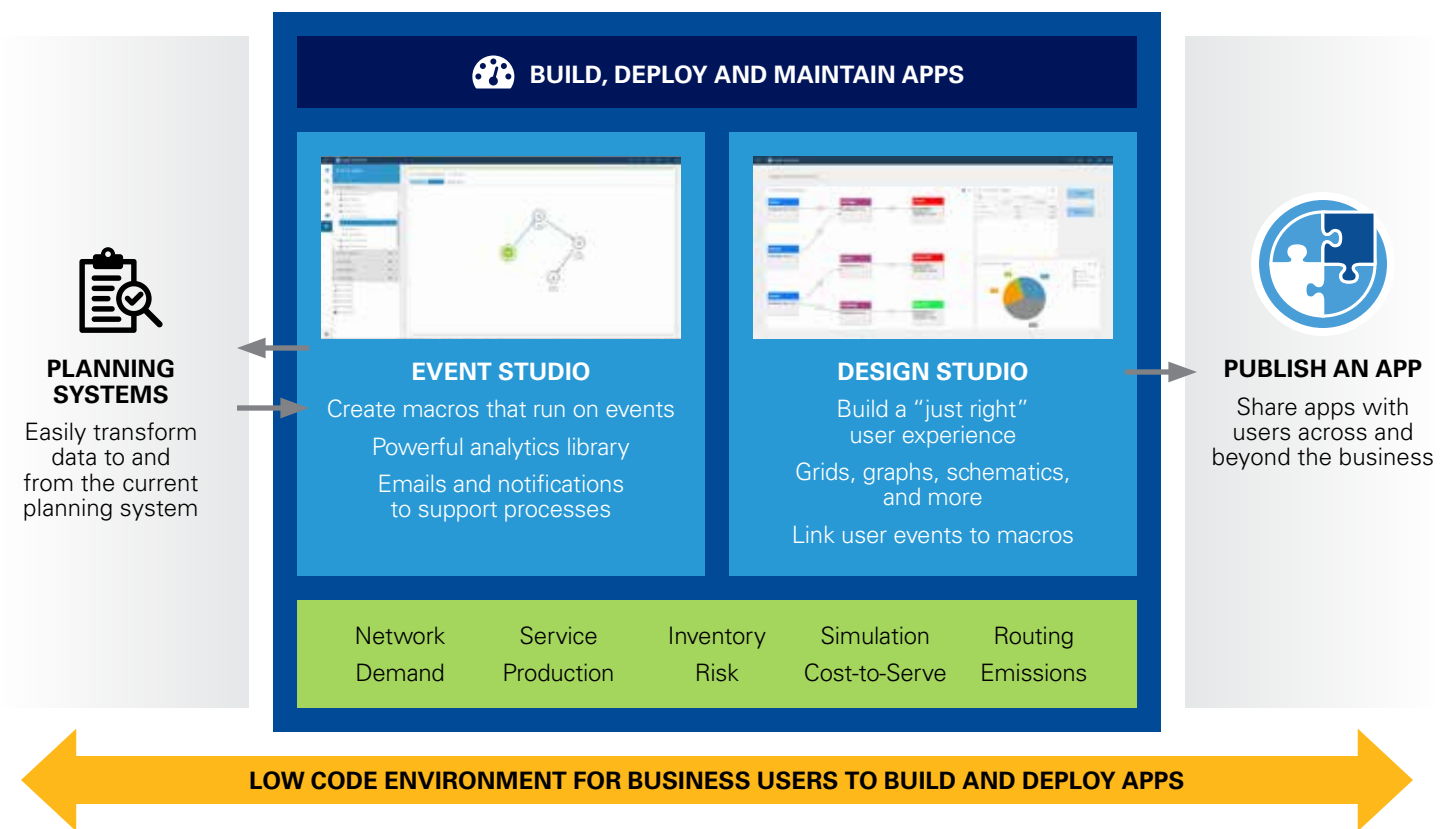
Building Blocks of Planning by Design

Planning by Design is made up of four critical building blocks to ensure that the planning apps are flexible as the business evolves, easy to use for the entire team, provide insightful optimization and analytics, and are sustainable over the course of time. These building blocks are made up of unique and proprietary technologies developed by LLamasoft based on over a decade of experience in working with many of the world's leading companies.



Planning by Design Powered by SupplyChainPlanning.com

Planning by Design is powered by SupplyChainPlanning.com, a web-based app building platform that offers a direct connection to all of LLamasoft's advanced optimization and analytics engines. With SupplyChainPlanning.com, you have at your fingertips a powerful toolkit for business users to build and deploy planning apps to complement existing planning systems.



About LLamasoft

We love helping our customers design thriving supply chains. LLamasoft enables organizations around the world to model and optimize their supply chain operations for major improvements in cost, service, sustainability and risk mitigation. We're driven to make supply chain optimization easier, better and faster, so you can make the world a better place. We continue to innovate with new solutions for supply chain visibility, planning, and predictive analytics.

- Named to the Deloitte Fast 500 for five consecutive years
- Nearly all of Gartner's Supply Chain Top 25 have designed with LLamasoft
- 50% of Fortune 100 companies have designed their supply chains with LLamasoft
- LLamasoft has supported over 2,000 supply chain design projects

To learn more, email info@LLamasoft.com or call 866-598-9831.

PLANNING BY DESIGN: BRIDGING THE GAP BETWEEN DESIGN AND PLANNING

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