Inventory Optimization from LLamasoft - A Major New Technology and Solution for Multi-Echelon Inventory Optimization

LLamasoft announces the first release of new inventory modeling and optimization software for safety stock, cycle stock, and pre-build stock. Multiple solver algorithms and optimization techniques are seamlessly integrated in a single tool that addresses problems of optimizing inventory in complex supply chain networks with multiple echelons, multiple replenishment modes, and finite capacity.

Ann Arbor, MI (PRWEB) October 15, 2009 -- LLamasoft, the leading provider of supply chain strategic planning solutions, announces the first release of an exciting new inventory modeling and optimization solution. This new solution uses a unique approach for multi-echelon inventory modeling that provides companies with a single integrated application to optimize all of the primary inventory components including safety stock, cycle stock, and pre-build stock.

What makes this solution unique is the seamless integration of multiple solver algorithms and optimization techniques in a single tool. This approach is necessary in order to fully address the problem of optimizing inventory in a complex supply chain network with multiple echelons, multiple replenishment modes, and finite capacity. LLamasoft is a demonstrated leader in the field of Network Design. The new inventory modeling solution builds on LLamasoft's track record of building innovative software applications that deliver a major financial impact to its clients.

"This is the inventory modeling solution companies have been wanting for years," stated LLamasoft CEO Don Hicks. "Previous offerings to address inventory optimization have tended to focus on addressing only one component of inventory, often safety stock. Through working closely with our customers, we've seen that many inventory decisions actually involve the complex relationship between sourcing, production, inventory, and transportation. Supply Chain Guru's inventory optimization gives clients a powerful new way to model, analyze, and optimize their inventory investment strategy."

Over the last six months, a number of LLamasoft's clients have participated in the Supply Chain GuruTM Beta Program to utilize the new inventory modeling solution under real-world conditions, and these early projects have delivered significant cost reduction opportunities. Early customer projects include:

- Optimizing retail stocking policies in a multiple echelon distribution network
- Improving the agility of an electronics supply chain through optimizing component inventory placement and postponement strategies
- Minimizing total landed cost of apparel products by trading off sourcing lead time with inventory and transportation costs
- Optimizing the placement of construction products with multiple levels of stocking locations, including pre-build and positioning plans due to seasonal demand and capacity constraints

This new inventory optimization solution also incorporates LLamasoft's proprietary enterprise simulation capability, SimServer, to enable powerful what-if analysis and predictive modeling.

Hicks adds, "LLamasoft has a history of bringing together multiple algorithms to solve the customer's problems
more completely. Not only can clients now optimize all aspects of their inventory strategy, they can simulate the effects and generate highly accurate financial and operational metrics to make sure the plan will succeed without having to take big risks!"

About LLamasoft
LLamasoft provides software and expertise to design and improve supply chain network operations. Supply Chain Guru™ is the leading supply chain strategic planning application available in the market today. It enables companies to model, optimize and simulate their supply chain operations, leading to major improvements in transportation, inventory, sourcing, and production.
Website: www.llamasoft.com

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