IBM

IBM ILOG LogicNet Plus XE

Highlights

■ *Optimize manufacturing and distribution networks*

■ *Easily link to Microsoft® Excel and Access*

■ *Tackle complex supply chains*

■ *Integrate with other IBM® ILOG solutions*

■ *Lead optimization technology*

Ongoing strategic supply chain planning

Numerous factors require companies to analyze their supply chain strategies more frequently. These can include mergers and acquisitions, accelerated product introductions, volatile currency rates and offshore manufacturing. And today, environmental goals and fuel costs top most lists. To stay ahead, companies must constantly strive to reduce supply chain costs and improve customer service while trying to maximize profits and plan for the unexpected.

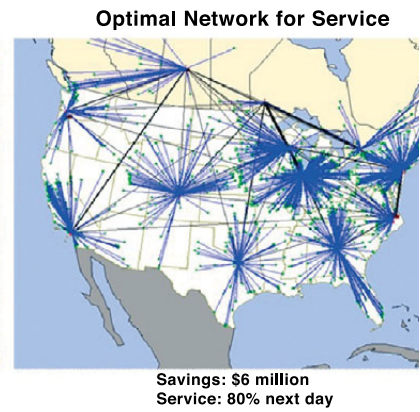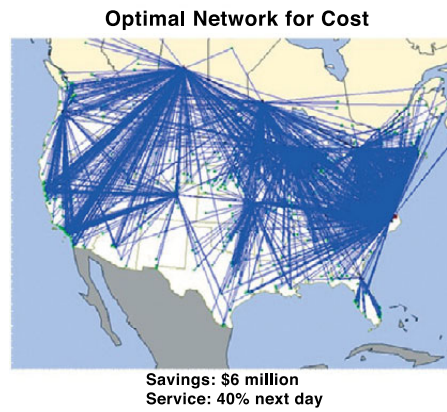### Solution to strategic planning

IBM® ILOG LogicNet Plus® XE helps address these challenges with quick problem modeling and analysis for weighing the tradeoffs between production, warehousing, transportation costs and service level requirements. Supply chain professionals can run multiple what-if scenarios and use powerful

reporting capabilities to quickly find the best answers to questions regarding manufacturing and distribution strategies: number and locations for manufacturing plants, production lines and distributions centers, allocation of products to plants, assignment of customers to warehouses and tradeoffs between the costs and carbon footprint of a supply chain network.

Advanced optimization and easy-to-use interface

Part of IBM ILOG's LogicTools® suite of supply chain applications, IBM ILOG LogicNet Plus XE combines advanced optimization technology and an easy to use graphical user interface into a network design and planning solution for managing the world's most complex supply chains. It helps companies around the world overcome the challenges they face daily in trying to stay ahead in today's competitive marketplace.

- *Optimize manufacturing and distribution networks*
- *Tackle complex supply chains*
- *Leading optimization technology*
- *Easy link to Microsoft Excel and Access*
- *Integrate with other IBM ILOG solutions*

Optimal Network for Cost

Savings: $6 million
Service: 40% next day

Optimal Network for Service

Savings: $6 million
Service: 80% next day

Strategic supply chain business questions

IBM ILOG LogicNet Plus XE helps companies address many key business questions, including:

- *What are the optimal number, location and capacities of suppliers, plants and production lines and processes?*
- *What are the right number, location and size of consolidation centers, forward distribution centers (DCs) and cross-docks?*
- *What is the best assignment of customers and products to DCs?*

- *What will be the impact of changes to production and warehousing capabilities on cost and service?*
- *What is the best assignment of products to my production facilities?*
- *What is the best balance of the tradeoffs for the following:*
  - *Inbound and outbound transportation costs, duties and tariffs*
  - *Fixed facility costs*
  - *Variable production and warehousing costs*
  - *Costs and service levels*
  - *Carbon footprint*

Functionality

IBM ILOG LogicNet Plus XE offers:

- *All-in-one network design and planning solution*
- *State-of-the-art IBM ILOG CPLEX® mathematical optimization technology*
- *Ability to model and optimize both distribution and manufacturing networks*
- *Ability to model large, complex supply chains*
- *Flexible mapping*
- *Powerful reporting capabilities, including over 100 standard reports and ability to create and save user-configured reports*
- *Extremely intuitive user interface for fast user learning*
- *Integration with Microsoft Excel and Access*
- *Carbon footprint modeling*

Rapid deployment

IBM ILOG LogicNet Plus XE is an off-the-shelf, easy-to-use decision-support software solution:

- *5-15 percent reduction in network costs*
- *8-14 weeks from start to completion of project analysis*
- *Immediate implementation of opportunities identified early*
- *Complement and extend existing IT solutions*

About IBM ILOG Supply Chain Applications

Leading ILOG optimization technology and LogicTools' expertise and experience in supply chain management come together in this powerful suite of applications for network design, production sourcing, inventory optimization, transportation planning and production planning and scheduling. Complement your ERP systems and make better decisions faster to optimize logistics networks and transportation strategies, set safety stock levels for sales and operations planning and improve plant operations in fast-paced industries. Learn more at http://supplychain.ilog.com.

For more information

For more information about IBM ILOG LogicNet Plus XE and the IBM ILOG LogicTools Supply Chain Applications Suite, including customers, contact an IBM ILOG Sales Representative near you or visit www.ilog.com/products/supplychain/.

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