

LogicNet Plus XE

Supply chain network design and planning



Ongoing strategic supply chain management

Companies must constantly contend with rapidly changing business conditions. Mergers and acquisitions, accelerated new product introductions, changing customer bases, offshore manufacturing and fluctuating fuel costs are among the many challenges they face. LogicNet Plus XE helps companies overcome these challenges by managing and transforming their supply chains on an ongoing basis.

Advanced optimization and easy-to-use interface

Part of ILOG's LogicTools suite of supply chain applications, 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. This powerful solution enables the quick modeling and analysis of the trade-offs between production, warehousing, transportation costs and service level requirements, as well as the calculation of the optimal network configuration for different cost and service objectives. Solutions can be viewed, compared and easily exported to tables and graphs for presentations and further analysis.

Scenario simulator and support for international operations

The LogicNet Plus XE scenario simulator automates scenario comparisons to enable supply chain managers to see the business impact of changes to supply chains before implementing them. LogicNet Plus XE also provides support for international companies whose supply chains are complicated by the different geographies in which they operate, as well as by currencies, duties and tariffs. LogicNet Plus XE is designed to manage this complexity with an interface specifically designed for supply chain professionals and an ability to take into account thousands of real-life constraints.

- **Model and optimize networks**
- **Tackle complex supply chains**
- **Leading optimization technology**
- **Easy link to Microsoft Excel and Access**
- **Integrate with other ILOG solutions**



Key business benefits

LogicNet Plus XE helps companies address many key business issues, including:

- **Manage business growth** – Evaluate a supply chain network and determine where and when new facilities are needed
- **Reduce overall supply chain costs** – Rationalize global distribution and manufacturing networks to help identify the most cost-efficient supply chain network
- **Improve customer service** – Optimize the balance between shipping and warehousing costs and service level requirements to improve product delivery times
- **Consolidate after mergers or acquisitions** – Consolidate distribution and manufacturing networks following merger or acquisition activities to more quickly realize a return on investment (ROI) from anticipated cost reductions and economies of scale
- **Perform contingency planning** – Plan for unexpected events in the supply chain by showing their exact impact on revenues, costs and service levels
- **Revenue what-if scenario analysis** – Understand the impact on the distribution and manufacturing network of adding or removing plants and warehouses
- **Optimize production sourcing decisions** – Optimize decisions on where to produce or source products based on a total supply chain cost analysis to enable objective cost-based decisions and monthly or quarterly changes based on market demand

Functionality

LogicNet Plus XE offers:

- All-in-one network design and planning solution
- State-of-the-art ILOG CPLEX mathematical optimization technology
- Ability to model and optimize both distribution and manufacturing networks
- Ability to model large, complex supply chains
- Flexible mapping and powerful reporting capabilities
- Extremely intuitive user interface for fast user learning
- Integration with Microsoft Excel and Access
- Tight integration with other ILOG supply chain applications

Rapid deployment

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

- Training and baseline results are typically completed within 90 days
- 5-15 percent reduction in network costs
- 8-14 weeks from start to completion of analysis
- Opportunities that can be immediately implemented are often identified early on
- Complements and extends existing IT solutions

ABOUT ILOG SUPPLY CHAIN APPLICATIONS

ILOG Supply Chain Applications capitalize on ILOG's 20 years of leadership in optimization and LogicTools' supply chain customers, expertise and thought leadership. Over 250 companies use the LogicTools suite of supply chain applications for network design, production sourcing, inventory optimization, transportation planning as well as production planning and scheduling. With the acquisition of LogicTools, the company founded in 1995 by David Simchi-Levi, Professor of Engineering Systems at MIT, ILOG today provides solutions that complement ERP systems and enable companies to make better decisions faster by optimizing their logistics networks and transportation strategy, setting safety stock levels for their sales and operations planning and improving their plant operations through sophisticated production planning and detailed scheduling.

ABOUT ILOG

ILOG delivers software and services that empower customers to make better decisions faster and manage change and complexity. Over 2,500 corporations and more than 465 leading software vendors rely on ILOG's market-leading business rule management system (BRMS), supply chain planning and scheduling applications and optimization and visualization software components, to achieve dramatic returns on investment, create market-defining products and services, and sharpen their competitive edge. ILOG was founded in 1987 and employs more than 800 people worldwide. For more information, please visit www.ilog.com.

ILOG Worldwide Information Center – Tel: 1-800-FOR-ILOG (US only) or +1 775 881 2800 (International) • URL: <http://www.ilog.com>

Australia – ILOG Australia Pty. Ltd. – Sydney – Tel: +61 2 82 48 28 00 – E-mail: info-au@ilog.com

China – ILOG (S) Pte. Ltd. – Beijing Representative Office – Tel: +86 10 8518 1080 – E-mail: info@ilog.com.sg

France – ILOG S.A. – Gentilly – Tel: +33 (0)1 49 08 35 00 – E-mail: info@ilog.fr

Germany – ILOG Deutschland GmbH – Bad Homburg v.d.H. – Tel: +49 6172 40 60 – 0 – E-mail: info@ilog.de

Japan – ILOG Co., Ltd – Tokyo – Tel: +81 3 5211 5770 – E-mail: info@ilog.co.jp

Singapore – ILOG (S) Pte. Ltd. – Singapore – Tel: +65 67 73 06 26 – E-mail: info@ilog.com.sg

Spain – ILOG S.A. – Madrid – Tel: +34 91 710 2480 – E-mail: info@ilog.es

UK – ILOG Ltd. – Bracknell – Tel: +44 (0) 1344 66 16 00 – E-mail: info@ilog.co.uk

USA – ILOG, Inc. – Sunnyvale, CA – Tel: +1 408-991-7000 – E-mail: info@ilog.com

Representatives and distributors in other countries

ILOG, CPLEX, LogicTools and the ILOG logo are registered trademarks, and all ILOG product names are trademarks of ILOG. All other brand, product and company names are trademarks or registered trademarks of their respective holders. The information presented in this brochure is summary in nature, subject to change, non-contractual, and intended only for general information.

“We have been using LogicNet Plus in-house since April 2005 to model and analyze our supply chain network. Recently, we decided to upgrade to LogicNet Plus XE in order to take advantage of the combined design and planning capabilities of this release. This opens up a whole new range of opportunities for supply chain improvement and optimization.”

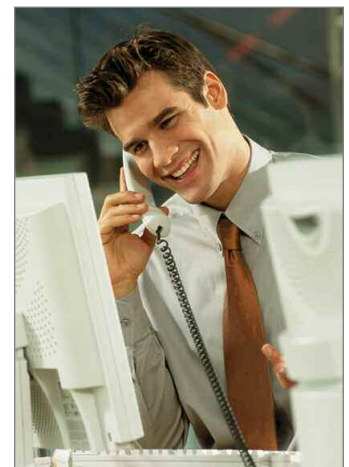
– Johns Manville

Building Insulations

Scott Fedor

Manager

Physical Distribution



Learn more

For more information on LogicNet Plus XE, contact an ILOG Sales Representative near you or visit

www.ilog-tools.com.



Changing the rules of business™