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IBM ILOG LogicNet Plus XE Carbon Footprint Optimization features

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Highlights

■ *Reduce overall carbon footprint*

■ *Compare different strategies for reducing emissions*

■ *Improve efficiency while cutting costs*

■ *Set and meet caps for emissions*

Environment tops corporate concerns

Many executives consider sustainability issues and "going green" important to their long-term strategies. The emergence of carbon trading markets and regulations that include limits on CO_2 emissions and their own concern for the environment and pressure from customers and consumers, are forcing companies to look for ways to reduce their carbon footprint.

Reducing harmful emissions

The Carbon Footprint Optimization features in IBM® ILOG LogicNet Plus® XE enable users to compare different supply chain network designs and transportation strategies to find solutions that reduce harmful emissions. The application includes a database with the carbon emission levels of different supply chain activities, the ability to compare different strategies and a way to set the CO_2 caps targeted with LogicNet Plus. Carbon Footprint Optimization lets companies evaluate their environmental impact along with operational costs in designing supply chain networks.

Top performer for supply chain planning

A key application in the IBM ILOG LogicTools® Supply Chain Applications Suite, LogicNet Plus combines

advanced optimization technology and an easy-to-use graphical user interface into a network design and planning solution for managing complex supply chains. It supports quick modeling and analysis of trade-offs for production, warehousing and transportation costs and service level requirements, in addition to calculation of optimal network configurations for different cost and service objectives. Packed with Carbon Footprint Optimization features, LogicNet Plus serves as a powerful solution for planning green supply chains.

- *Reduce overall carbon footprint*
- *Compare different strategies for reducing emissions*
- *Improve efficiency while cutting costs*
- *Set and meet caps for emissions*

Helping the environment and cutting costs
Carbon Footprint Optimization gives companies the ability to understand the environmental impact of an entire supply chain and make forward-looking decisions to reduce both costs and harmful emissions. These features in LogicNet Plus, help companies rapidly create and implement green supply chain initiatives with features that include:

- **Carbon emission database:** *Data regarding the carbon emissions associated with different supply chain activities gives companies a head start in assessing their carbon footprint. The data covers plants, warehouses and various types of transportation. This is a critical resource for companies trying to comply with regulatory caps on emissions, benefit from carbon trading and align with corporate environmental goals.*

- **Reporting capability:** *This feature helps companies assess the carbon emission levels of different supply chain configurations. It shows the relationship between carbon emissions and supply chain activities to enable users to make better environmental decisions and comply with regulations for reporting carbon emissions.*

- **Cap setting:** *Users can set caps for carbon emissions. They can set maximum levels for emissions and use them as nonnegotiable constraints when evaluating trade-offs. LogicNet Plus has the ability to determine a low-cost solution without violating an emission cap.*

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design, production sourcing, inventory optimization, transportation planning, and production planning and scheduling. LogicTools solutions complement ERP systems and enable companies to make better decisions faster by optimizing their logistics networks and transportation strategies, setting safety stock levels for their sales and operations planning, and improving their plant operations through sophisticated production planning and detailed scheduling.

About IBM ILOG Supply Chain Applications Suite

The IBM ILOG Supply Chain Applications Suite capitalizes on more than 20 years of ILOG leadership in optimization and LogicTools' supply chain customers, expertise and thought leadership. Over 250 companies use LogicTools' applications for network

For more information

For more information about the Carbon Footprint Optimization functionality in IBM ILOG LogicNet Plus XE, contact an IBM ILOG Sales Representative near you or visit carbonfootprint.ilog.com.

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