ILOG Transport PowerOps

Simplify complex transportation planning

Limitations of existing transportation systems

Many transportation planning systems are limited to comparing simplistic shipping options or handling only private fleet routing. Companies avoid the shortcomings and expense of these systems by resorting to manual planning or spreadsheets, while others have spent millions on software never designed to handle complex transportation strategies. None of these solutions is adequate. Today's business climate is constantly changing, making transportation efficiency crucial to gaining and retaining market share, and logistics a key contributor to corporate profitability.

Unprecedented detail unlocks greater ROI

Now, dispatchers and logistics planners have a solution that reflects true operational costs and constraints, and enables them to optimize multisite, multileg, and inbound and outbound shipments. It couples complex routing models with detailed facility models to reduce congestion and detention times. The solution captures real conditions with unprecedented detail, and creates optimal plans that can be executed with minimal user intervention. Shippers and logistics service providers all benefit from faster ROI and greater customer and user satisfaction.

Flexible and configurable

Transportation managers expect their planning systems to keep pace with ever-changing regulations and a constantly evolving competitive landscape, but many transportation management system (TMS) applications are difficult to reconfigure. Companies need to modify their execution logic to match changes in strategy without lengthy IT projects. ILOG Transport PowerOps solves these issues by enabling IT and logistics analysts to modify business policies at the database level or with flexible APIs that control routing details.

- ■ **Leverage TMS investments**

- ■ **Replace outdated planning systems**

- ■ **Dynamically plan cross-docks and pool points**

- ■ **Plan across business unit boundaries**

- ■ **Adapt readily to changing conditions**

ILOG®

Changing the rules of business™

ILOG Transport
PowerOps

ILOG Transport PowerOps comes with a highly intuitive, interactive graphical user interface

Meet business goals

Whether you are struggling to keep transport costs in line while increasing customer service or challenged by smaller, more frequent shipments, ILOG Transport PowerOps provides the performance and precision necessary to deliver results for you.

ILOG Transport PowerOps delivers transportation planning that balances the trade-offs between on-time service and cost savings while respecting operational constraints and exploiting key opportunities:

- Plan across multiple business units or facilities to create continuous moves and backhauls, and leverage multiple pickup points per route
- Dynamically route through multiple cross-docks to take advantage of changing shipment volumes
- Level-load the work at facilities to reduce congestion and detention charges
- Replan from a previous plan while locking some decisions in place

Benefit from powerful planning and scheduling

Retailers, manufacturers and other companies that ship goods via truckload, less-than-truckload or multistop routes can all benefit from ILOG Transport PowerOps. It lets them automate or override decisions for:

- Consolidating loads
- Selecting cross-docks, pool points or paths for each shipment
- Choosing modes and carriers
- Sequencing routes
- Scheduling routes

ILOG Professional Services: Ensuring your success

ILOG provides complete life-cycle support for ILOG Transport PowerOps. The consultants of ILOG Professional Services have a deep understanding of the application's underlying optimization models, a proven standards-based methodology, and more than a decade of experience in transportation scheduling. They work side by side with customers to get their solutions up and running fast.
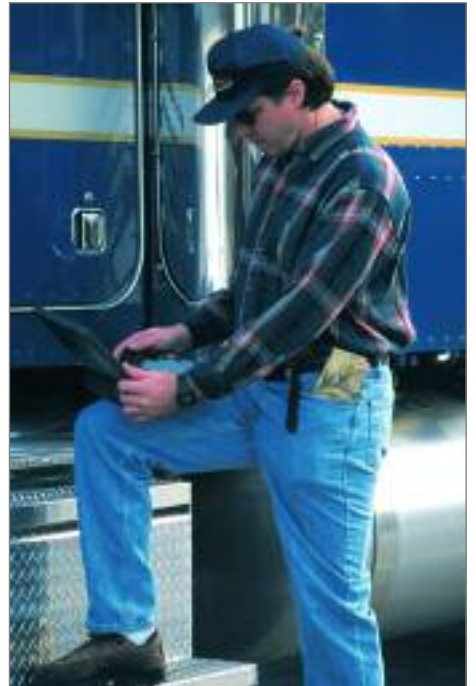
Integrated planning
and scheduling

Extension architecture

ILOG Transport PowerOps seamlessly connects with back-office systems, including enterprise resource planning and transportation management systems, to leverage your existing IT investments while upgrading crucial planning functionality. Its engine-only footprint greatly reduces implementation risks and complements existing order management, tendering and visibility applications. ILOG Transport PowerOps runs natively with 32- and 64-bit operating systems.

Adaptable by design

No two fulfillment processes are alike. Most transportation software supports a minimum level of standards, with the expectation that a large implementation can fill the gaps. The result is an expensive, high-risk project that produces an inflexible solution. ILOG Transport PowerOps features public APIs in C++ and Java™ that give you the flexibility to load or create data in memory, make plans and then publish them. Advanced configuration can be easily done by your IT department using XML standards, saving you the cost of hiring a third-party integrator.
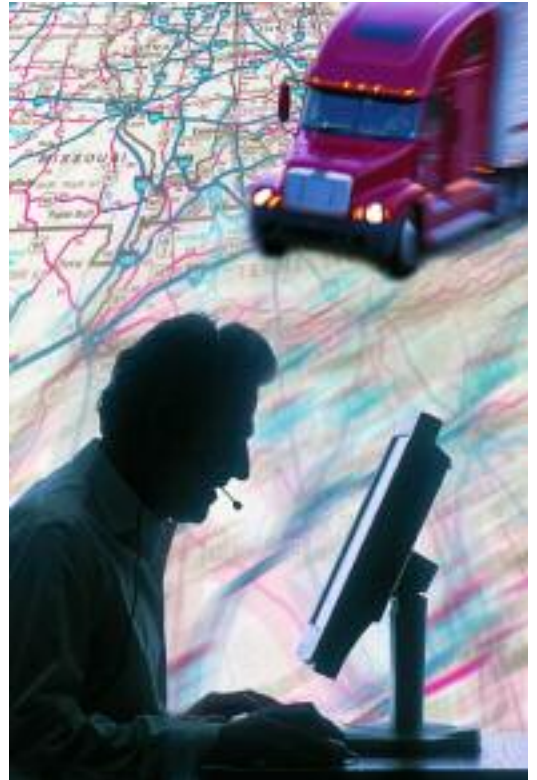
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Business benefits

- ■ Increase on-time delivery with better scheduling
  - – Reduce detention charges
- ■ Reduce mileage with better load consolidation and route sequencing
  - – Save fuel surcharges as well as direct spending
  - – Reduce pollution especially in heavily regulated areas
- ■ Increase asset utilization
  - – Reduce the number of routes and total spending
- ■ Decrease transportation lead times
  - – Achieve faster cash-to-cash cycle time
- ■ Plan faster
  - – Free planners for more value-added activities

Learn more

For more information on ILOG Transport PowerOps, contact an ILOG Sales Representative near you or visit http://tpo.ilog.com.

ABOUT ILOG'S OPTIMIZATION PRODUCTS

More than 1,000 commercial customers, including 160 members of the Global 500, use ILOG optimization tools and engines to solve the world's most challenging planning and scheduling problems. ILOG optimization products are also used by a majority of the leading supply chain management software vendors, as well as in research programs at over 1,000 universities around the world, making the products the "gold standard" for performance and solution quality in the operations research community. For more information and a complete list of customer references, please visit http://applications.ilog.com and http://optimization.ilog.com.

ABOUT ILOG

ILOG delivers software and services that empower customers to make better decisions faster and manage change and complexity. Over 2,500 global corporations and more than 465 leading software vendors rely on ILOG's market-leading business rule management system (BRMS), optimization and visualization software components, to achieve dramatic returns on investment, create market-defining products and services, and sharpen their competitive edge. The BRMS market share leader, ILOG was founded in 1987 and employs more than 700 people worldwide.

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