Challenge: Balancing Services and Managing Costs

Many companies struggle with how best to balance the service they need with the costs they incur to manage a private fleet. Cost-conscious companies must find ways to maximize their assets, especially in today’s environment of high fuel costs, increasing service level requirements and driver restrictions.

Companies need a solution that develops an optimal fleet transportation plan that minimizes costs while maximizing asset utilization, thus keeping service levels high and freight costs low. Such a solution will manage all of the processes involved with supporting fleet assets including strategic analysis, master delivery schedule planning, daily dynamic route planning, backhaul planning and delivery execution.

Solution: JDA Fleet Management

JDA® Fleet Management uses constraint-based optimization to create detailed work plans that manage a private fleet based on shipment requirements. It plans and dispatches the fewest routes that cover the least number of miles in the shortest time and enables more volume to be moved with no additional resources.

The solution manages each step in the fleet management process. It begins with developing a master schedule and synchronizing this schedule with real-time order delivery requirements. The solution then takes into consideration driver preferences. At the end of the planning process, you have a realistic and manageable plan that both minimizes the cost of delivery and maximizes your ability to serve your distribution centers and stores.

JDA Fleet Management is often used in conjunction with JDA® Transportation Planning and JDA® Shipment Execution to provide a fully integrated, enterprise-wide transportation management solution. The combined solution simultaneously optimizes inbound, outbound and inter-facility shipments of both fleet and common carriage operations, helping you reduce transportation costs, improve customer service and enjoy revenue growth without adding support personnel.

Key JDA Fleet Management Capabilities:

- Features flexible planning horizon with ability to build from annually down to daily
- Provides master schedule creation for repeat deliveries
- Offers fleet sizing capability
- Manages driver overtime and part-time planning
- Provides what-if analysis
- Enables order- and schedule-based planning
- Provides adaptive management for late orders and backhauls
- Integrates with onboard systems
- Handles skeleton routes
- Manages variations in store and customer volumes
- Provides vehicle travel path analysis
- Provides integrated road network for street-level planning
The JDA Fleet Management solution can help shippers, carriers, and transportation service providers more effectively manage the complexities of an ever-changing delivery environment. Companies that rely on JDA Fleet Management to deliver market-leading capabilities can realize significant benefits, including the following:

- Improved trailer utilization and customer service levels while addressing real-time fluctuations in order volumes
- Increased labor productivity and efficiency with simultaneously reduced related equipment costs
- Minimized repair and maintenance costs
- Minimized shipment delays stemming from reduced administrative errors such as improper or late paperwork
- Strategic and tactical asset planning and management
- Master delivery schedule creation across extended time horizons
- Efficient daily route planning based on business requirements and resource availability
- Flexible resource scheduling and allocation
- Integrated enterprise-wide transportation planning

About JDA Software Group, Inc.

JDA® Software Group, Inc. (NASDAQ: JDAS), The Supply Chain Company®, is a leading global provider of innovative supply chain management, merchandising and pricing excellence solutions. JDA empowers more than 6,000 companies of all sizes to make optimal decisions that improve profitability and achieve real results in the discrete and process manufacturing, wholesale distribution, transportation, retail and services industries. With an integrated solutions offering that spans the entire supply chain from materials to the consumer, JDA leverages the powerful heritage and knowledge capital of acquired market leaders including i2 Technologies®, Manugistics®, E3®, Intactix® and Arthur®. JDA’s multiple service options provide customers with flexible configurations, rapid time-to-value, lower total cost of ownership and 24/7 functional and technical support and expertise.