



Direct Store Delivery

Extend the power and functionality of your Microsoft Dynamics® AX solution with Junction Solutions' Direct Store Delivery (DSD). Control distribution costs while gaining real-time visibility into changing customer demands to stay ahead of the pack and increase profitability.

Key Benefits

- **Provides 360 Degree Visibility** of your supply chain from order entry, to shipment building, to delivery and invoicing, providing key information to increase accuracy and margin.
- **Improves Customer Service** with real-time information about inventory levels, avoiding stock-outs and expired product.
- **Streamlines Order Management** with standing order and order-entry template functionality. Provides flexibility for order entry at your customer service center or on-site at the customer location – synching information immediately and automatically with Microsoft Dynamics AX.
- **Real-Time Inventory Visibility** to utilize inventory most efficiently – including ad-hoc delivery, re-routing and pick-ups to avoid separate routes for return orders.
- **Low Total Cost of Ownership**
 - Native within Microsoft Dynamics AX and easily integrated into 3rd party warehouse management solutions, extending the value of your existing solution platform investment
 - Simplified implementation and training because Junction Solutions' DSD is native within the existing solution platform, increasing user adoption and decreasing training time and costs
 - Flexible Delivery Options – available On-Demand or On-Premise
 - Mobile enabled and device agnostic allowing manufacturers to use a mix of devices best suited to meet individual route requirement needs
 - Open architecture to easily adapt to ever-changing business requirements
 - Streamlined upgrade path with platform solution upgrades

Due to increasing competitive pressures, companies that deliver consumable products to customers for distribution need the most efficient and effective way to see their enterprise-wide operations, in real-time, to make confident and profitable business decisions. This means finding a better way to manage inventory, load, route and delivery information and provide full visibility to all of the key players in the process flow – from the customer service representative to the delivery truck driver.

Junction Solutions' DSD for Microsoft Dynamics AX leverages your existing solution investment to streamline your distribution processes with a low total cost of ownership. Built with deep industry expertise and native in Microsoft Dynamics AX, this powerful and flexible solution optimizes your enterprise operations with full functionality out-of-the-box, and without the need for complex integration or customization. Because it is native in Microsoft Dynamics AX, DSD allows users access to critical information without having to leave their familiar environment or learn new processes and solution sets. With real-time visibility into the frontline of your inventory, key decisions can be made around product pricing, placement, and promotions to meet changing customer demands faster and increase profitability.

Direct Store Delivery Features

Configuration

- Support for both paper and mobile device-enabled routes (full connectivity vs. EOD synchronization)
- Vehicle definition (vehicle type, compartment, maintenance schedule)
- Standing sales order definition (regular customer and Vendor Managed Inventory customer)
- Standing transfer order definition (peddle route and warehouse replenishment)
- Static route definition
 - Route calendar*
 - Customer receipt calendar*
 - Stop sequence*
 - Load Sequence*
 - Mix peddle, VMI, SO customer, and internal Warehouse (DC) route stops*
 - Build to quantity definition for peddle routes*



Sample DSD Mobile Application Screens

Ship	Status	Transfer to	Pick	Route	Ship date	Days	Vehicle type	Vehicle ID	Weight	Quantity	Weight issue	Qty issue
009578_113	Completed	Completed	Completed	1000	10/28/2009	Wednesday	Truck40		70.00	10.00		
009579_113	Completed	Completed	Completed	1000	10/22/2009	Thursday	Truck40		70.00	16.00		
009580_113	Sent	Completed	Completed	1000	10/29/2009	Thursday	Truck40		85.00	11.00		
009595_113	Completed	Completed	Completed	1000	10/26/2009	Monday	Truck40		150.00	10.00		
009598_113	Completed	Completed	Completed	1000	10/28/2009	Wednesday	Truck40		175.00	46.00		
009600_113	Completed	Completed	Completed	1000	12/7/2009	Monday	Truck40		56.00	8.00		
009601_113	Completed	Completed	Completed	1000	12/8/2009	Tuesday	Truck40		70.00	10.00		
009602_113	Registered	Activated	Completed	1000	12/9/2009	Wednesday	Truck40		227.00	21.00		
009603_113	Completed	Completed	Completed	1000	12/10/2009	Thursday	Truck40		70.00	10.00		
009604_113	Registered			1000	12/11/2009	Friday	Truck50LowTol		190.00	26.00		
009607_113	Registered			1000	12/14/2009	Monday	Truck40		150.00	10.00		

Stop sequence	Load sequence	Stop code	Stop relation	Name	Telephone	Peddle customer	VMI enabled	Weight	Quantity	Move
10	20	Customer	1102	Sunset Wholesale...	123-555-0...		<input type="checkbox"/>	85.00	11.00	<input type="checkbox"/>
20	30	Customer	1101	Fresh Wholesales			<input type="checkbox"/>	105.00	15.00	<input type="checkbox"/>

Sample DSD Shipment Form

Daily route management

- Manual or automatic daily route creation
- Add and remove stops
- Move stop to existing or new shipment
- Create ad-hoc shipments
- Manage route and load sequence
- Weight and quantity verification
- Item restriction verification
- Load summary by order, stop, and shipment
- Route stop optimization via Microsoft MapPoint®
- Route approval
- Print delivery documents
 - Load map*
 - Shipment document*
 - Route document*
 - Delivery ticket and invoice by customer*

Route delivery

- Vehicle inventory verification and adjustment (incl. Beginning of Day (BOD) process)
- Product delivery (peddle order, VMI orders, sales orders, distribution center replenishment)
- Future order and return order creation
- Signature capture (Mobile only)
- Payment acceptance
- Proof-of-delivery receipt generation
- Invoice generation

About Junction Solutions

Junction Solutions, Where Platform Meets Inspiration™, is an award-winning provider of software applications and services that help organizations enhance operational performance, reduce costs, expand delivery channels and strengthen relationships. Designed specifically for Food & Beverage and Retail companies with complex, dynamic or high-volume business requirements, Junction Solutions' innovative product suite includes JunctionF/B™ (for food and beverage companies), JunctionMCR™ (for Multi-Channel Retail organizations) and JunctionEOD™ (eCommerce On Demand [hosted web store] solutions). Junction Solution's delivers industry, business and technology consulting services through the JS Excellence Center (custom, sub-vertical software development and support) and the JS Customer Evangelist Center (flexible, customer defined implementation, integration and systems support). Junction Solution's product-suite includes enterprise resource planning, (ERP), supply chain management (SCM – demand, warehouse, yard and transportation management), human capital management, merchandising, order entry management, inventory management, point-of-sale management and eCommerce/ Web Store. Built on Microsoft Dynamics® AX, Junction Solution's fully integrated, end-to-end product-suites leverage an open architecture to ensure scalability, flexibility and longevity of the technology environment. For more information, please visit www.junctionsolutions.com

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End of Day (EOD) Route Settlement

- EOD vehicle inventory verification and adjustment
 - Transfer product back to stock*
 - Leave product on vehicle*
 - Scrap product*
- Sales order creation and process
- Return order creation and process
- Quality compliance creation
- Payment & settlement process

Mobile Application

DSD is extended through mobile capability with mobile server.

Mobile Server

- Operating systems
 - Windows Server 2003 and 2008 , 32 and 64 bit*
 - Management consoles (MMC snap-ins) runs on Windows XP 32 bit only and Windows Vista 32 and 64 bit*

Databases

SQL Server 2008

Out of the box connectivity

Microsoft Dynamics AX 2009

SDK

*Visual Studio 2008 SP1
.NET 3.5 and .NET 3.5 Compact Framework*

Mobile Client

Operating systems

*Windows Mobile 6.0 Professional Edition
Windows Mobile 6.0 Classic Edition
Windows Mobile 6.1 Professional Edition
Windows Mobile 6.1 Classic Edition*

Databases

SQL Server CE 3.5 SP1

Stop sequence	Load sequence	Stop code	Stop relation	Name	Telephone	Peddle customer	VMI enabled
10	30	Customer	1205	PRS Wholesales	123-555-0563		<input type="checkbox"/>
20	30	Customer	1205	Quality Goods Wholesales	123-555-0165		<input type="checkbox"/>
30	30	Customer	1200	Sunset Wholesales	123-555-0164		<input type="checkbox"/>

Sample DSD Static Route Definition Screen