

WMS

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As U.S. businesses look offshore for new opportunities to expand their enterprise, they are faced with the challenge of ensuring that stateside distribution centers and warehouses are properly wired.

The U.S. DC has become a vital supply chain conduit, capable of matching demand currents to supply flows; or as the case may be, a supply chain circuit breaker that can detect demand fluctuations or exceptions and locate alternate channels to ensure seamless and efficient product movement. To meet these emerging requirements, WMS vendors are engineering solutions with the buyer in mind. So, for example:

- An automotive component distributor, with a lot of moving parts in its product line and within its supply chain infrastructure, can choose a WMS that integrates with its ERP system and can drive lean process protocol.

- Brick and mortar retailers staging inventory closer to supply may prefer a best-of-breed solution that has inbound tracking capabilities and automatic alerts to aggregate information and drive efficiencies in the truck, at the dock, and on the pallet.

- Beverage distributors with high-volume throughput may require a WMS with load

management and optimization capabilities that can facilitate break-bulk consolidation at a cross-dock facility.

- Or an e-tailer, operating a mega DC, might opt for a more robust warehouse inventory system with sophisticated pick/pack and labor management capabilities to scale up for the holiday season.

Whether demands are vertical-specific, dictated by existing ERP systems, or based on cost and complexity, WMS vendors are saturating the market with solutions and implementation services to steer and facilitate warehouse investments.

At the same time, buyers need to be judicious and discrete as they research, pilot, and select the perfect WMS solution.

To help provide some clairvoyance, *Inbound Logistics* canvassed leading vendors to aggregate an informational directory of WMS solutions and capabilities. How can a WMS recharge your supply chain? Turn the page and find out.

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COMPANY	PRODUCT	WHAT IT DOES
Adonix Sewickley, Pa. adonix.com 724-933-1377	Adonix Geode Warehouse Management System	Meets the needs of mid-sized enterprises with large transaction volumes and sophisticated warehouse practices. An incremental step for companies needing more specialized functionality than available in standard ERP systems, but wanting to limit the number of vendors used to obtain back-office and warehousing capabilities.
ASC Software Dayton, Ohio ascsoftware.com 937-429-1428	ASCTrac WMS	Engineered to support the demanding requirements of warehouse distribution and manufacturing operations, its modular design is an ideal fit for any size organization. ASCTrac interfaces to any financial system and is capable of covering the whole supply chain cycle from order entry, through pick, pack, and ship operations.
Cadre Technologies Denver, Colo. cadretech.com 866-25-CADRE	Cadence WMS	Helps manage receiving, put-away, location management, product/SKU management; lot, serial number, and date control; order processing; picking/packing; replenishment; cycle counting/inventory control; ERP interfaces; equipment interfaces to pick-to-light, conveyor and sortation; and WMS Web access to warehouse performance.
CAPE Systems South Plainfield, N.J. capesystems.com 908-756-2000	CAPE eWMS	Allows users to incorporate best practices across all supply chain operations. Provides real-time insight into all warehouse operations and inventory availability and is designed for deployment in any industry. The system includes integral RF support as well as support for the CAPE Systems Order Fulfillment products.
Catalpa Systems Chicago, Ill. catalpa-systems.com 312-663-3658 x208	Core2 – Warehouse Management	Designed to efficiently schedule and execute dock activities; receive and put-away inbound shipments; pick and load outbound shipments; support and prioritize tasks; and manage inventory across multiple warehouses.
Catalyst International Milwaukee, Wisc. catalystinternational.com 800-236-4600	CatalystCommand Warehouse Management	Manages all aspects of DC/warehouse operations from receiving and put-away to order selection, picking, loading, and shipping. Built on an open, modular technology platform, the system features standard interfaces for easier installation and tighter integration between user systems, applications, and equipment.
CDC Software Atlanta, Ga. cdcsoftware.com 770-351-9600	IMI Warehouse	Plans, controls, and monitors all physical processes for warehouses or DCs. Performs all tasks in real time, adapting quickly to resource constraints and priorities as well as coordinating interdependent warehouse and transportation activities.
Compliance Networks Sugar Land, Texas compliancenetworks.com 877-267-3671	Retail Distribution Management Solution (rDMS)	Built from the ground up as a retail-specific warehouse management solution, rDMS features retail industry best practices to give users a single software platform providing 360-degree visibility into the supply chain. From vendor docks to the showroom floor, it provides the information retailers need to compete effectively.
Click Commerce Chicago, Ill. clickcommerce.com 800-899-2641	Click Commerce WMX	Based on service oriented architecture (SOA), it allows companies to efficiently integrate with third-party systems, reducing implementation time and costs. The solution incorporates configurable, rules-based business processes, which gives companies flexibility to adapt their warehouses to changing conditions.
Datex International Clearwater, Fla. datexcorp.com 800-933-4159	Datex EX WMS	With its complete warehouse distribution operations functionality, it features RFID terminal support, extensive administration tools, and a drill-down approach to managing labor and requirements forecasting.

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Epicor Software Irvine, Calif. epicor.com 949-585-4000	Epicor Warehouse Management	Provides the basic tools to create warehouses within its iScala warehouse management function and manage goods within those warehouses. It extends this capability by adding support for consignment and vendor-managed warehouses, containers, serial numbers, batches, quality control, bins and batch traceability.
HighJump, a 3M Company Eden Prairie, Minn. highjumpsoftware.com 800-328-3271	Warehouse Advantage	Utilizes wireless and bar-code technology, such as RFID, for quick fulfillment through directed, optimized workflow. It executes processes such as receiving, put-away/flow-through, inventory management, order processing, replenishment/pick/pack, loading, and shipping.
HK Systems New Berlin, Wisc. hksystems.com 800-HKSYSTEMS	HK Warehouse Management Software	Addresses the needs of manufacturers, distributors, and their 3PL partners with the capability to track and control the flow of raw materials and finished goods across both production and distribution operations. The system prioritizes, directs, and confirms activities based upon real-time conditions and space constraints.
Infor Alpharetta, Ga. infor.com 800-260-2640	Infor SCM's Warehouse Management	Enables users to see what inventory is or will be available, organize work and align resources and labor to satisfy customer requirements, and optimize fulfillment and distribution processes to ensure that products are delivered on time and in full. The result is supply chain management with end-to-end fulfillment.
Infosite Technologies Boisbriand, Quebec infositetech.com 888-395-0354	DM Warehousing	Automates customer-specific charges by cycle; handles re-pack, cross-docking, and storage; manages customer inventory, perpetual counts, annual counts, and adjustments; controls stock rotations; allows user-defined warehouse planning; and generates all documents - packing slips, bills of lading, etc.
Interlink Technologies Perrysburg, Ohio interlinktech.com 800-594-5160	WHSe-LINK (Warehouse Link)	Offers technology and functionality to support all warehousing activities. Specifically, it provides a turnkey solution that includes WHSe-LINK software, system integration, hardware, training, and support.
IntelliTrack Hunt Valley, Md. intellitrack.net 410-771-3060	IntelliTrack Warehouse Management System (WMS)	Available in three versions, it maximizes efficiency and optimizes labor productivity in warehouses of all sizes. Each version provides the basic functions for warehouse operations, including physical inventory, shipping, receiving, and picking, as well as management features such as queries, reporting, and bar-code labeling.
IQMS Paso Robles, Calif. iqms.com 866-FOR-ERP2	IQMS Wireless Warehouse Management	Simplifies inventory management by eliminating time-consuming data entry. Users manage inventory movement with wireless technology so they can enter the transaction as it happens on the plant floor, on the forklift, at receiving, at shipping, or anywhere in between.
KNAPP Logistics & Automation Kennesaw, Ga. knapp.com 678-388-2880	KNAPP Warehouse Logistics Software	Helps increase warehouse picking performance up to 30 percent by using pick-by-voice and innovative RF terminal solutions. Myriad off-the-shelf features optimize all warehouse processes, and provide a standard interface to all common or home-grown ERP systems to ensure short implementation time and flexibility.
LOG-Net Red Bank, N.J. log-net.com 732-758-6800	LOG-Net Shipment and Warehouse Management	Provides operational functionality to plan, receive, process, and invoice warehouse activities. It specifically facilitates: warehouse bookings, receiving, transfers, load plans, and manifests; worldwide view of on-hand inventories; and over, short, and damage exception processing.

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Made4Net Paramus, N.J. made4net.com 201-645-4345	WarehouseExpert	Enhances inventory accuracy, maximizes space utilization, and performs order fulfillment to ensure customer satisfaction. It specifically tracks and manages every unit from receiving to the warehouse through its storage, inventory management, replenishment/pick and pack, loading and shipping, and more sophisticated functionality such as billing, cross-docking, and RFID support.
Manhattan Associates Atlanta, Ga. manh.com 770-955-7070	MA WMS	Improves warehouse facility layout; increases inventory accuracy; increases order fulfillment and accuracy; calculates item velocity to ensure inventory is optimally located; provides picking, packing, and replenishment tools; increases billing accuracy; and identifies hidden costs of doing business.
Mincron Software Systems Houston, Texas mincron.com 800-299-7010	Warehouse Manager	Offers a menu of capabilities that can reduce inventory, fill orders more quickly, improve accuracy, prioritize the movement of the most profitable goods, maximize worker productivity, minimize wasted space, and ensure customer fulfillment.
Motek Beverly Hills, Calif. motek.com 323-653-4333	Priya WMS	Controls the entire operation of any warehouse from 100,000 square feet to two million square feet. Using radio frequency mobile computers, it can support 10 to 500 concurrent users, and is engineered to meet all the requirements for retail and wholesale clients, including food and non-food items.
Navis Oakland, Calif. smartturn.com 888-667-4758	SmartTurn Inventory and Warehouse Management System	Automates manual-based processes from purchasing to shipping; integrates purchasing with user inventory control to reduce unwanted carrying costs; accelerates the receiving and put-away process of goods from the shipping dock to preferred locations; provides real-time information on the quantity, location, status, and history of every inventory item within the warehouse; and enables companies to commit to more orders and increase profits without increasing the cost of doing business.
Oracle Redwood Shores, Calif. oracle.com 800-633-0737	Oracle Warehouse Management	Automates and optimizes material handling processes to reduce labor costs, improve facility utilization, and increase order accuracy. Oracle Warehouse Management supports inbound, outbound, and reverse logistics; finished, raw, and work in process materials; and manufacturing and distribution environments.
Quality Software Systems Inc. Oldsmar, Fla. qssi.com 813-855-9416	Powerhouse	Improves inventory accuracy; decreases order processing time; improves customer service levels; reduces put-away and picking errors; improves the use of human and warehouse resources; reduces inventory carrying costs; increases return on inventory investment; reduces shipping errors; and eliminates costly physical inventories.
Radio Beacon/Accellos Markham, Ontario accellos.com 905-695-9999	Radio Beacon WMS	Tracks movement of stock into, out of, and within the warehouse thanks to the combination of radio frequency and bar-code technology with a three-tiered, Internet-based architecture.
RedPrairie Waukesha, Wisc. redprairie.com 800-990-9632	RedPrairie's Warehouse Management Solution	Optimizes every move enabling lean distribution operations. That means lower distribution costs and happier customers. The WMS offers task optimization capabilities, including embedded 3D mapping and mature SOA technology.
RF Pathways Mississauga, Ontario rfpathways.com 905-565-6560	RF Pathways Warehouse Management System	A configurable, standards-based, open architecture design facilitates time-sensitive, mission-critical, and high-volume environments. At home in food processing, manufacturing, apparel and textiles, and distribution industries, RF Pathways is suited to meet the unique needs and business processes of single-site manufacturing companies as well as multi-warehouse environments.

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Robocom Systems International Farmingdale, N.Y. robocom.com 631-753-2180	RIMS (Robocom's Inventory Management System)	Satisfies the requirements of virtually any warehouse operation. As a browser-based system operating on a variety of platforms, it is an easily maintained application that incorporates the latest technology. It provides a rapid return on investment, immediate cost savings, and increased productivity.
Royal 4 Systems Long Beach, Calif. royal4.com 562-420-9594	W.I.S.E.	Features bar-coding and RFID technology, database, hardware, and operating system independence, real-time WMS transactions, multi-site capabilities, as well as various inbound, outbound, and internal functions.
Sage Software Irvine, Calif. sageaccpac.com 800-975-5441	Sage Accpac WMS	Automates inventory-handling and order-fulfillment processes, and helps users better manage the supply chain. It works as part of a complete distribution system by interfacing with radio-frequency hardware, bar-code technology, shipping systems, and other warehouse automation equipment.
SAP America Walldorf, Germany sap.com 866-379-4715	SAP Warehouse Management System	Offers item management and queries and lets users define unlimited price lists and associate them with each customer or vendor. The software also records prices for unique customers or from unique vendors, and enables users to set quality-sensitive prices. Operates as a stand-alone WMS or in conjunction with SAP's ERP.
Sterling Commerce Dublin, Ohio sterlingcommerce.com 800-299-4031	Networked Warehouse Management	Manages fulfillment and distribution across an entire network of diverse facilities, from regional distribution centers to behind-the-store stocking locations. It gives organizations the ability to see the location of all the inventory in their fulfillment network, in real time.
Technology Group International Toledo, Ohio tgilttd.com 800-837-0028	Enterprise WMS	Stand-alone or fully integrated, handles environments ranging from electronic distributors to cheese manufacturers. The system architecture empowers users to achieve improved productivity and accuracy, while at the same time maintain ease of use.
TECSYS Montreal, Quebec tecsys.com 905-752-4550	EliteSeries Warehouse Management System	Empowers companies to gain control over customer service levels, warehousing costs, order turnaround time, throughput volumes, and most importantly – profits. EliteSeries' integrated real-time WMS enhances enterprise visibility, enabling the warehouse to become an extension of the order desk.
Westfalia Technologies Inc. York, Pa. westfaliausa.com 800-673-2522	Savanna.NET	Configurability allows users to choose only the material flow modules they require. Systems can be expanded incrementally with full or partial upgrades. Interface additions include pick-to-light, wireless/RF terminals, and pick-to-voice components.
WITRON Arlington Heights, Ill. witron.com 847-385-6000	WITRON Warehouse Management System	Offers flexible implementation and comprehensive warehouse functions. Multi-language support for user interfaces enables the same platform to be used internationally. Its data structure drives transparency between all warehouse locations, while still maintaining warehouse-specific conditions.
YRC Logistics Overland Park, Kan. yrclogistics.com 877-246-4909	YRC Logistics Warehouse Management System	Improves warehouse operations and optimizes labor, while supporting an enterprise's distribution strategy. It has full-function distribution capabilities, including flow-through, forwarding, and inventory management. And it is EDI, XML and FTP compatible, and can interface with ERP and TMS.