



Industry Outlook | Manufacturers

iBOLT Delivers Supply Chain Integration to Manufacturers

Magic Software has delivered successful solutions to its partners and customers throughout the manufacturing industry. These include aerospace, industrial manufacturers, high tech manufacturers, consumer goods manufacturers and more.

Unique Business Benefits for Manufacturers

Customers in the manufacturing sector often cite these benefits of Magic Software's technology:

Open Standards for Integrated Manufacturing

iBOLT helps you achieve manufacturing process integration by bridging standards through a technology neutral approach to integration. Rather than trying to force adoption of a single standard, iBOLT recognizes the rich variety of standards used in manufacturing today. By supporting the widest possible array of standards, this helps to assure the future value of IT investments, leverages existing infrastructure investments and reduces the time required to implement workable solutions for integrated manufacturing. Our open standards approach to integration has earned iBOLT widespread industry recognition including an excellent rating in "interoperability" by the reviewers at eWeek magazine.

RFID Data Integration

With the increasing use of radio frequency identification devices and EPC, managing the logistics of manufacturing is becoming both more powerful and more complicated. To quickly take advantage of the new power and flexibility provided by auto-ID technologies you need a flexible approach to integration such as our iBOLT Integration Suite that can rapidly wrap new business processes and data structures around existing ones.

Rapid EDI Implementation

Many of the current standards for business-to-business exchange of information are based on electronic data interchange (EDI). iBOLT is ideally suited to enabling you to become compliant with standards based on EDI.

Superior XML Handling

As more and more companies are moving to the use of XML in place of EDI, you need not worry with iBOLT. Our visual data mapping tools allow you to create quick relationships and transformations to and from XML, SQL etc.

Scalability

Our technology will keep up with even the most demanding performance requirements. iBOLT has been utilized in single server settings with demands exceeding one million synchronous transactions per day and for more demanding workloads includes a robust load balancing technology for utilization of multiple servers simultaneously. Our largest logistics customer synchronizes server data in nearly 200 countries worldwide in part of what has been called the world's largest IBM DB2 database.

Excellent Support and Training

Magic Software offers full technical support, training and professional services options to ensure that your mission critical operations are always backed by a team of professionals ready to tackle support issues as needed. We offer a full compliment of training options including self-paced computer-based instruction and online seminars. Because our staff has experience integrating logistics oriented applications, our training is relevant to your needs.

Superior Reliability

With a robust transaction broker technology, you can be assured of a high degree of operational integrity when utilizing iBOLT. iBOLT allows for complex business processes with multiple "rollback" levels. An upstream process can be reversed according to your policies whenever a downstream process upon which it depends has failed or experienced an exception condition that you define. Since you are in control of your business rules in an environment of utmost security, transactional integrity is optimized in support of your company mission.

Magic Software Technology and Applications in the Manufacturing Sector



In the most demanding manufacturing scenarios where customized applications have been required, uniPaaS and iBOLT have been utilized to create powerful composite applications. At **Boeing**, for example, sophisticated assemblies and bill-of-materials are tracked utilizing uniPaaS applications developed by Boeing's own team of Magic Software developers. Consumer goods manufacturer **adidas-Canada** manages an enterprise-wide portal utilizing a service-oriented approach that leverages legacy applications and business logic. The result is real time item synchronization across the supply chain, elegant return authorization handling and convenient multi-channel content and communications.

Magic Software's iBOLT business and process integration and uniPaaS application platform are used by manufacturers worldwide, including:

AIMS. Minerva Associates' AIMS is "Best of Breed" application software for WMS (warehouse management systems), TXP (transaction processing), and WIP (work-in-process) operations. Whether you need TXP to harness and control automated material handling equipment (carousels, conveyors, AS/RS, miniloader cranes, robotic palletizers, weigh scales, etc.), WIP for materials management in manufacturing, or WMS for complete wall-to-wall, receiving-to-shipping, automated management, tracking and control of inventory in the warehouse, an AIMS system can handle material management and automation needs in your operation.

DoveTrack. Dove Tree Canyon Software provides software for the material management software industry. Dove Tree Canyon's specialty is high speed broken case order fulfillment utilizing carousels, pick to light, flow rack, and RF systems. In addition they

provide software to 3PL warehouses, stockrooms, manufacturing floors, asset tracking, file folder tracking, and beyond. Dove Tree Canyon solutions are web enabled, thus providing connectivity and visibility over the Internet and corporate Intranets.

Shipment Commander and Warehouse Commander. Logistics Technologies provides supply chain management systems that address the needs of low volume shippers as well as those of fully automated, tightly integrated, multi-site distribution environments. They implement comprehensive and highly configurable transportation management solutions that give logistics professionals in a manufacturing company the functionality and flexibility to execute timely and cost effective shipping. The platform and database independent design made possible by uniPaaS enables Logistics Technologies clients to easily integrate with internal business systems and instantly distribute shipment information enterprise-wide.

Q&MIS from Pilgrim Software is the industry leading Enterprise Quality Management (EQM) solution available for client-server environments today. Developed with the needs of highly regulated industries in mind, Q&MIS also delivers EQM functionality important in high-risk product liability manufacturing scenarios.

Our manufacturing customers include industry leaders such as: Boeing, AAR Landing Gear Services, adidas-Salomon, Decker, Honda, Mitsubishi, Fujitsu, Esselte, Nestle and Fiat.

Our Magic Software Partners offering manufacturing solutions include:

Pilgrim Software, Industrios, Logisitcs Technologies, Dove Tree Canyon Software, and Minerva Associates.

About Magic Software Enterprises

Magic Software Enterprises Ltd. (NASDAQ: MGIC) is a global provider of application platforms, and business and process integration solutions. Magic Software has offices in 10 countries and a presence in over 50, as well as a global network of ISV's, system integrators, value-added distributors and resellers, consulting and OEM partners. The company's award-winning code-free solutions give partners and customers the power to leverage existing IT resources, enhance business agility and focus on core business priorities. Magic Software's technological approach, product roadmap and corporate strategy are recognized by leading industry analysts. Magic Software has partnerships with global IT leaders including SAP AG, Salesforce.com, IBM and Oracle.

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