

Arena–Expandable ERP Integration

Automated Product Information Transfer for New, Emerging, and Growing Product Companies



OVERVIEW

Creating quality products in this fast-paced world isn't easy. Your product processes involve multiple teams, locations, partners, suppliers, and vendors. These dispersed teams must work from the same design, stay on budget, and respond to customer demands. You want to deliver better products, faster and easier. And you want to create innovative solutions to change the world.

Innovative product companies use Arena to drive their product development processes through the entire product lifecycle. And they leverage Expandable® ERP to plan and execute manufacturing processes to deliver innovative products to market. When these systems are integrated, operations can be confident they are using the latest released bill of materials (BOMs) and item master to procure, manufacture, and ship high quality products to customers. This integration accelerates new product introduction while reducing expenses, increasing profitability, and speeding time to market.

HOW IT WORKS

The Arena–Expandable ERP Integration automates the process of transferring product record information from Arena to Expandable ERP, avoiding errors and ensuring Expandable ERP is up to date.

- Arena ERP Exchange is configured and scheduled to export product record information (BOM, ECO, and item master) when an ECO is released
- ERP Exchange packages the affected product record into a PDX package (XML format)
- The Expandable adapter receives the PDX package, validates, and updates it in Expandable ERP

BENEFITS

✔ Time to Market

- Accelerates the time to ramp to full production
- Streamlines the transfer of product record information to ERP
- Supports new releases and revisions of items and BOMs

✔ Cost and Error Reduction

- Ensures financial and inventory decisions are based on the most current product information
- Maintains complete and accurate revision control
- Eliminates errors and inefficiencies associated with manual data entry, allowing impacted business users to focus on more strategic core competencies

✔ Flexibility

- Provides both manual and automated updates
- Enables rapid deployment during or after ERP system is implemented
- Supports custom properties and future effectivities

✔ Standardization and Error Management

- Standardizes product record creation processes with embedded error checking
- Reprocesses updates when needed without corrupting the ERP System

✔ Visibility

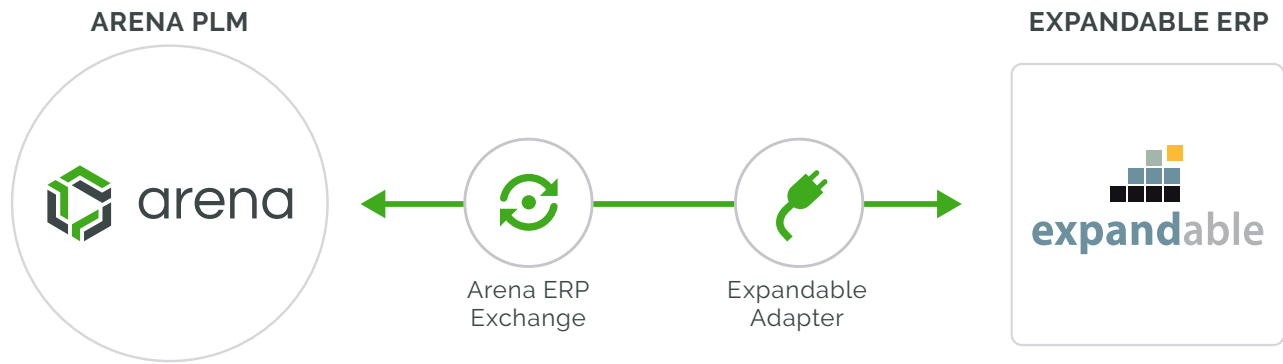
- Provides visibility of items and BOMs from Arena to Expandable ERP through continuous monitoring and error alerts

✔ Rapid Integration

- Proven integration between Arena ERP Exchange and Expandable ERP speeds deployment time
- Easy to configure and deploy

✔ Confidence

- Ensures your operations team always has access to the latest product design information



CAPABILITIES

Integration Without Intervention

When a product is released in Arena, the Arena Expandable ERP Integration transfers the product record information automatically without user intervention. This eliminates delays and errors in data synchronization between Arena and Expandable ERP.

All data files for every product are processed sequentially and validated prior to import into Expandable ERP to ensure information is accurate and complete.

Operations Support

The integration supports your manufacturing systems and operations teams with future effectivity and materials disposition per item.

Integration Setup

Designed for easy configuration and troubleshooting. No coding is needed. Custom mappings control precisely what information flows between Arena and Expandable ERP.

Validation, Audit Trail, and Error Management

An audit trail records change orders and product record transfer success and failure.

The Arena-Expandable ERP Integration monitors status and sends alerts to a designated administrator on error. The administrator can fix the error and reprocess updates without corrupting the ERP system.

Integration provides enterprise-wide access to the most current engineering data including:

Bill of Materials

- Assembly ID
- Component ID
- Drawing item code
- Required quantity
- Start date
- End date
- Notes
- Reference designators

Vendor Part

- Part ID
- Manufacturer's name
- Manufacturer's part ID
- Vendor ID
- Vendor part ID
- Buy status

Item Master

- Part ID
- Type
- Description
- Unit of measure
- Rev. level
- ECN number
- Effectivity date
- Pending ECN
- Preferred vendor
- Eight user definable fields
- Weight
- Volume
- Substitute part ID
- Product line, status
- Part class
- Standard cost
- Lead time

ABOUT ARENA

Arena helps innovative electronic high-tech and medical device companies create products that change the world. Arena unifies product lifecycle (PLM) and quality management (QMS) processes, allowing every participant throughout the product realization process from design to manufacturing to work together. With Arena, teams accelerate product development and delivery to increase profits. For more information, visit [ArenaSolutions.com](https://arenasolutions.com).

ABOUT EXPANDABLE

Expandable Software, Inc. develops, markets, implements, and supports an enterprise resources planning (ERP) software suite designed to help executives and managers of fast-growing manufacturing companies maximize business performance by maintaining real-time visibility and control of their organization. Expandable targets its scalable front- and back-office enterprise solutions to growing manufacturing companies requiring a seamless and cost-effective growth path from startup to the billion dollar mark. Expandable customers reap the benefits of full-blown ERP early in their growth cycle, and gain the ability to grow all the way to the top tier of their industry without changing business systems along the way. For more information, please visit expandable.com.