

# Arena-SAP ERP Integration

Accurate Product Information for Accurate Business Decisions




## 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 rely on Arena to help deliver better products, quickly and easily. And they leverage SAP® ERP to plan and execute manufacturing processes to deliver innovative products to market. When these systems are integrated, operations teams can be confident they are using the latest released bill of materials (BOMs) item master, approved manufacturers list (AML), and supporting documentation to procure, manufacture, and ship high quality products to customers. Arena Exchange works with the OpenPDM® Connector for Arena and SAP delivered by PROSTEP to accelerate new product introduction (NPI) while reducing expenses, increasing profitability, and speeding time to market.

## HOW IT WORKS

ERP Exchange works with the OpenPDM Connector for Arena and SAP to automate the transfer of released product record information from Arena to your SAP system.

- Arena ERP Exchange is configured and scheduled to export product record information (e.g., BOM, change order, item master, and manufacturing part information) when a change order is released
- ERP Exchange packages the affected product record into a PDX package (XML format) and notifies the Arena PLM Integration Monitor that the changed data has been transferred
- The OpenPDM Connector for Arena and SAP receives the PDX package, validates, and updates it in SAP

## BENEFITS

### ✔ Time to Market

- Accelerates the time to ramp to full production
- Streamlines the transfer of product record information to SAP
- Supports both new releases and revisions of item, BOM, and AML information

### ✔ 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

- Facilitates both manual and automated updates
- Enables rapid deployment during or after SAP system is implemented
- Extracts and transfers custom properties and future effectivities

### ✔ Standardization and Error Management

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

### ✔ Visibility

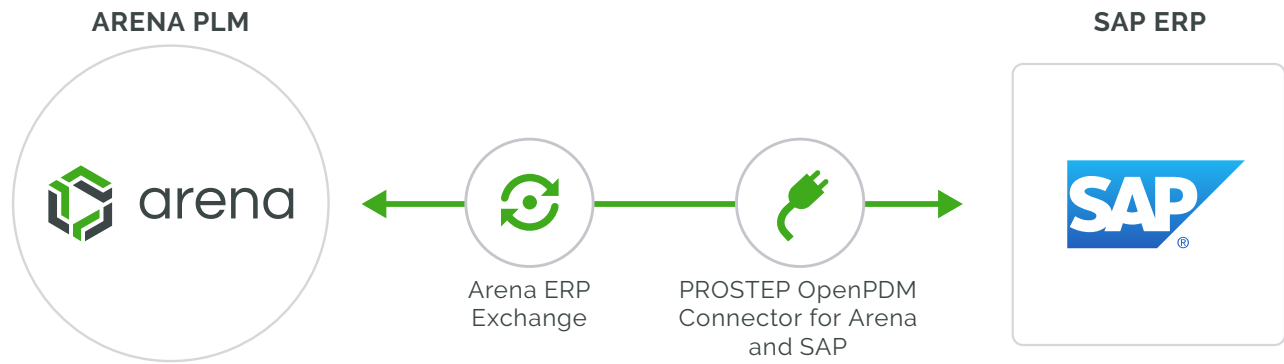
- Provides visibility of item, BOM, and AML transfers from Arena to SAP ERP through continuous monitoring and error alerts

### ✔ Rapid Integration

- Proven best-practice integration services
- PROSTEP service and expertise ensures fast, successful deployment
- Secure deployment that works with existing corporate firewall configurations

### ✔ Confidence

- Ensures your operations team always has access to the latest product design information
- Includes ongoing support and professional services available from industry experts



## CAPABILITIES

### Impacted Product Record Information

Solution creates and modifies the following information in SAP:

- Material master
- Bills of material (BOM)
- Plant specific information
- Valuation information
- Engineering change master (ECM)
- Document information records including BOM

### Integration Without Intervention

When a product is released in Arena, the PROSTEP Connector transfers the data automatically without user intervention. This eliminates delays and errors in data synchronization between Arena and SAP.

All data files for every product are processed sequentially, leveraging built-in data validations prior to transfer to ensure information is accurate and complete.

### Operations Support

The integration supports your operations processes with future effectivity and materials disposition per item.

As an option, this integration supports multiple target ERP systems.

### Integration Setup

The user interface is designed for easy configuration, and troubleshooting.

### Validation, Audit Trail, and Error Management

This integration validates your change data before importing into SAP.

An audit trail records product data and change order transfer success and failure.

You can monitor change and product record transfer success and failure through the Arena dashboard.

The solution sends alerts to a designated administrator on error. The administrator can fix the error and reprocess updates without corrupting SAP.

## ABOUT ARENA

Arena, a PTC Business, helps companies create innovative products that change the world. Arena unifies product lifecycle management (PLM) and quality management system (QMS) processes, allowing every participant throughout product development and commercialization to work together fast and effectively. With Arena, dispersed teams accelerate the design and delivery of quality products. For more information, visit [Arena, a PTC Business](#).

## ABOUT PROSTEP

PROSTEP specializes in commercial applications to facilitate system interoperability for the international manufacturing industry. Our specialists have in-depth knowledge of the various development domains and are accustomed to thinking outside the box, thus enabling us to find the ideal solution for you. PROSTEP developed the OpenPDM Solution Family to connect, integrate, and migrate PLM systems. OpenPDM, the foundation of this integration, is the world's leading solution for synchronizing and migrating PLM data and processes in a wide variety of application scenarios and domains. Our solution competence and our products also enable us to provide you with the support you require for designing and optimizing your internal and cross-enterprise processes. For more information, please visit [proststep.com](#).