BLUESTAR PLM

A single database makes a world of difference.

DISCRETE

ELECTRONICS

MECHATRONICS

Bluestar PLM is helping manufacturers bring quality products to market faster in industries such as Industrial Equipment, Automotive, and Electronics.

PLM was originally conceived as a way to establish visibility around product data and processes throughout all stages of the product lifecycle. However, much of the information required to do so is found in the ERP system.

Bluestar PLM is a native Microsoft Dynamics 365 for Finance and Operations, Enterprise Edition & Dynamics AX (365/AX) application which is fully embedded in the 365/AX user interface and uses the same data model. By merging ERP and PLM environments into a single collaborative setting, the solution integrates the company across departments and locations. This greatly improves performance in cross-functional business processes involving sales, engineering, purchasing and manufacturing teams.

Bluestar PLM creates a centralized set of product truths, which are shared seamlessly
across departments and locations. Moreover, because everyone is working in an integrated environment, data is only entered once and is centrally maintained thereafter. As a result, you will spend less time entering data, and prevent the errors caused by data discrepancies that occur when PLM and ERP systems are in separate systems.

Best-in-class manufacturers are looking towards ERP-embedded PLM because they have acknowledged the bi-directional dependencies that exist between engineering and downstream departments.

For instance, the data and documentation produced by the engineering department is consumed by the purchasing and manufacturing teams, and, in return, ERP data such as prices, stock levels, and lead times are crucial in the business-minded engineering practice.

Key Features and Benefits

Import and aquire substance properties

Bluestar PLM provides the integrated platform needed to deliver complex products according to detailed customer specifications while adhering to engineering standards.and taking supply chain restrictions and manufacturing capacity into account.
A global item master contains the engineering, manufacturing, logistics and quality data needed to:

- Enhance worldwide collaboration between engineering and manufacturing sites, suppliers and customers.
- Shorten engineering change cycles and accelerate new product introductions.
- Prevent errors and misunderstandings caused by duplicate data.
- Preview the full impact of engineering changes in costs and time.

Organizations with intense vendor interaction are able to include suppliers and other external entities in key business processes for improved performance and traceability throughout the supply chain.

With the extended enterprise in scope, Bluestar PLM connects your organization whether you are a single site or multi-national operation.

Easy Maintenance

Bluestar PLM can be easily installed, modified and maintained as an integral part of Dynamics 365 for Operations & AX without any unwanted implications on your core solution.

It is easy to maintain and modify Bluestar PLM as an integral part of Dynamisc 365/AX without any unintended impact on Dynamics 365/AX. Moreover, Bluestar PLM is a native Dynamics 365/AX application and requires no additional expertise in the operation and maintenance of a particular PLM solution.

Global Deployment

Bluestar PLM supports multinational manufacturers in their efforts to share business-critical data and collaborate across geographically disperse locations. Bluestar PLM provides access of product data across departments, locations, suppliers and customers.

Whether your company has deployed a centralized Dynamics 365/AX using Citrix or Terminal Services or you have multiple local Dynamics 365/AX installations scattered across the globe, Bluestar PLM enhances the Dynamics 365/AX features to include robust data sharing capabilities.

For those who are running multiple Dynamics 365/AX installations, but still have the need to exchange information and collaborate, Bluestar PLM provides the ability to share selected Dynamics 365/AX tables and fields between locations.

Simplified Infrastructure

Since Bluestar PLM is embedded in Dynamics 365/AX, it requires neither a dedicated PLM server nor maintenance of a separate PLM database.

Customizable

Because Bluestar PLM is developed in the Dynamics 365/AX integrated development environment, modifications to the solution can be made through your internal Dynamics 365/AX resources, helping to lower the cost of customization.

A Future Proof Solution

Bluestar PLM is exclusively a Microsoft Dynamics 365 for Finance and Operations & Dynamics AX application and will support future Microsoft releases so you can continue to benefit from your investment. Currently, the following versions of Dynamics 365/AX are supported:

- Microsoft Dynamics 365 for Finance and Operations, Enterprise edition
- Microsoft Dynamics AX 2012
- Microsoft Dynamics AX 2009
- Microsoft Dynamics AX 4.0
- MBS Axapta 3.0

In addition, Bluestar PLM supports a range of CAD systems with bi-directional integrations.

KEY BENEFITS	
Boost collaboration between engineering, purchasing & manufacturing teams;	Enhances collaboration with suppliers and customers.
Prevents fragmented data and duplicate documents;	Simplified IT infrastructure & system maintenance.
Enables concurrent design;	Centralized master data.
Provides full product traceability.	Encourages reuse of existing data and documents.

FEATURES	
Uses the Dynamics 365/AX Database;	Prevent errors caused by data discrepancies and enhance collaboration by leveraging a single database.
Dynamics 365/AX Look & Feel;	The familiar Dynamics user interface reduces training costs and accelerates user adoption.
Developed in MorphX;	Easily customize and maintain the system using the native Dynamics development environment (MorphX).
CAD Integration;	Establish a bi-directional exchange of items, BOMs, properties, 3D models and drawings between Dynamics 365/AX and CAD systems for seamless information sharing between engineering teams and downstream departments.
Integrated Engineering Change Management;	Preview the complete impact of engineering changes in costs and time thanks to deep integrations with purchasing, manufacturing and inventory modules.
Workflow Automation;	Encourage best practices and enforce procedural compliance across the organization through automated routing of tasks and information.
Revision Control and Traceability;	Easily manage, compare and audit revisions of items, BOMs, routes and documents.
Lifecycle States & Approvals;	Manage the lifecycle and approval states of your products and documents.
Redlining;	Compare a BOM version with any other version. Select a side-by-side comparison or opt for "show-only-difference" when comparing large BOMs.
Configuration/Variant Management;	Easily manage product variants.
Classification & Retrieval;	Classify your products for fast and easy retrieval of existing data and documents.
Parametric Search;	Save time searching for suitable items using a parametric search engine that let's you search based on attributes (e.g. voltage, impedance, length).
Light Weight 3D Viewer;	Seamlessly share light weight 3D models with non-CAD users downstream in the organization.
Multi-Site Support;	Take full advantage of your Citrix or Terminal Server Dynamics installation to collaborate around a single set of data and replicated documents in a global setting.
Web Access;	Streamline collaboration and gain traceability across the supply chain by granting supplier and customer web access to system data and functionalities.
Item-Centric Document Management;	Turn the Dynamics item record into a single point of access to all product related documents.
Batch Printing (item or transactioncentric);	Print all documents related to a specific Dynamics item or transaction in a single print job, e.g. print all documents associated with a purchase order to PDF or hardprint.
Approved Manufacturers List;	Manage approved manufacturers and manufacturer's items.