



ENOVIA® PLM V5 CES (COLLABORATIVE ENTERPRISE SOURCING)

Converge Engineering
and Sourcing to
Promote Seamless
Collaboration



Highlights

- 3D environment for engineering and sourcing collaboration
- Enterprise catalog provides 360° visibility of enterprise sourcing data
- Leverages supplier relationships to optimize costs
- Provides multi-dimensional management of complex part programs
- Minimizes risk while promoting part re-use
- Streamlines and standardizes sourcing processes
- Facilitates analysis to drive business strategy
- Provides robust classification, search and cross-reference capabilities

In today's competitive environment, manufacturing organizations need to streamline processes and collaborate efficiently across global value chains. They need to break down operational silos within their enterprises, manage processes that introduce risk, and focus on strategies which can rapidly engineer products for the market at lower costs. A critical factor in meeting these objectives is streamlining supply chain processes to accelerate and improve decision making.

The goal: right source, right price, every time!

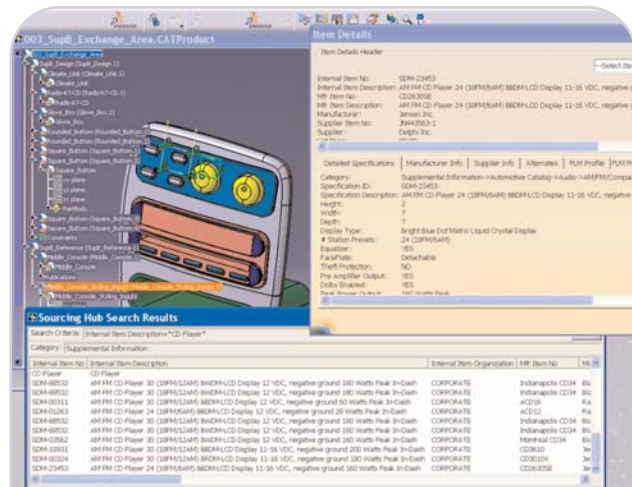
For many companies, integrating sourcing considerations early on and throughout the product design process is becoming a business priority. "Designing with supply in mind" reduces development time and costs, improves product quality, and helps foster cost-effective design innovation. However, to realize these benefits, engineers need sourcing data and constraints readily available on their desktops; sourcing needs accurate 3D product data; and both need access to the latest enterprise resource information — from product concept through retirement. ENOVIA V5 CES makes sourcing an integral component of the Product Lifecycle Management (PLM) system rather than an isolated function considered after design is completed.

Design for supply: sourcing fully immersed in 3D design

With ENOVIA V5 CES, engineers can launch sourcing tools from their desktops, seamlessly

connected with applications that maintain, analyze, and update key supplier data. Engineers and managers can collaborate in real time with sourcing specialists as the product matures. As a result, issues are discovered and handled more efficiently and designs go into production more rapidly, reducing time to value.

With advanced searching capabilities and attribute views on price, obsolescence, supplier information, and preferred manufacturers, engineers can quickly locate and validate the



V5 CES allows you to review complete engineering and sourcing information across multiple classification criteria.

right parts to optimize current designs. Access to this rich sourcing data promotes re-use of approved and optimized parts, dramatically increasing the quality and reducing the quantity of managed parts. In addition to facilitating re-use, V5 CES helps organizations pro-actively monitor and reduce risk when introducing new parts. Ultimately, V5 CES helps customers



produce higher-quality products with fewer warranty and repair issues, especially when proven parts are re-used for new or updated products.

Supply for design

Using ENOVIA V5 CES, sourcing can engage in the early stages of design to proactively supply for products. Armed with "pre-rank prioritization" lists of suppliers and manufacturers, engineers can leverage supplier relationships and approved parts to improve decision making. Users can take critical factors such as price and lead-time into account as part of the engineering process. Additionally, they can analyze information as to where and how parts are being used, and at what cost, to drive business strategies. This approach gives all stakeholders more and better information to control, introduce, and manage components within the enterprise and across the supply chain.

Crossing the data divide: ENOVIA V5 CES enterprise catalog

A major obstacle to achieving "design for supply, supply for design" efficiency is the data disconnect between design and sourcing information and applications. Engineers work with one system for design and product data, while purchasing uses another to perform reviews and determine supplier parts. With ENOVIA V5 CES, the two datasets are integrated into a single environment, eliminating the need to reconcile data across domains or manage multiple islands of catalog data.

The V5 CES enterprise catalog provides a single master of parts, accessible from the PLM system and available to all functional groups and stakeholders. For example, engineers can refer to the master catalog to perform context-specific searches or comparisons across 3D and sourcing attributes, then instantiate parts directly into assemblies. Stakeholders can utilize the AVL/APL (approved vendor list/approved part list) to reference and classify components within the catalog, review details on specific parts, or consider alternatives based on price, materials, obsolescence, preferred suppliers, and manufacturers. Meanwhile, if sourcing changes the preferences or pricing, or adds parts, the information can be shared immediately across systems and users, no matter how complex or dynamic.

In aerospace and automotive, where complex family structures using hundreds of parts are commonplace, management quickly becomes complicated and optimization almost impossible. ENOVIA V5 CES leverages proven industry methods and technologies to help customers manage parts multi-dimensionally across programs, manufacturers, and supplier sites. For example, a single component can belong to a part family, participate in multiple programs, be procured and used by multiple sites, and each use a different supplier and manufacturer. For OEMs and their global supply chains, the V5 CES enterprise catalog combines the sourcing knowledge and tools to deliver rapid return on their development investment.

Comprehensive component management processes

ENOVIA V5 CES provides a comprehensive set of management processes to coordinate sourcing functions across domains and reduce risk. The NPI (New Product Introduction) workflow process, for example, helps define a standard process for introducing new parts into the enterprise catalog. With ENOVIA V5 CES as the integrated sourcing system for the enterprise, organizations can build better products at reduced cost, manage compliance and regulatory issues, leverage offshore sourcing capabilities, and respond quickly and effectively to competitive challenges.

V5 CES allows you to rapidly search for parts and easily compare variations.

About ENOVIA Corp.

ENOVIA Corp. provides integrated solutions for product data and lifecycle management, collaboration, and decision support. ENOVIA® solutions enable companies to simulate the entire product lifecycle from initial concept to after-market support. ENOVIA® transforms the customer's product development organization into a source of competitive advantage with increased support for complex product design, and a practical Web environment to bring marketing, sales and customers earlier into the product development cycle. ENOVIA® Corp. is a Dassault Systèmes company. ENOVIA® is integrated with Dassault Systèmes PLM solutions (CATIA®, DELMIA®, and SMARTEAM®) and is sold and supported by IBM. For more information, visit www.enovia.com

About Dassault Systèmes

As world leader in 3D and PLM (product lifecycle management) solutions, the Dassault Systèmes group brings value to more than 80,000 customers in 80 countries. A pioneer in the 3D software market since 1981, Dassault Systèmes develops and markets PLM application software and services that support industrial processes and provide a 3D vision of the entire lifecycle of products from conception to maintenance. Offerings include integrated PLM solutions for product development (CATIA®, ENOVIA®, DELMIA®, SMARTEAM®), mainstream 3D design tools (SolidWorks®), and 3D components (Spatial/ACIS®). Dassault Systèmes is listed on the Nasdaq (DASTY) and Euronext Paris (#13065, DSY.PA) stock exchanges. For more information about Dassault Systèmes, visit www.3ds.com.

