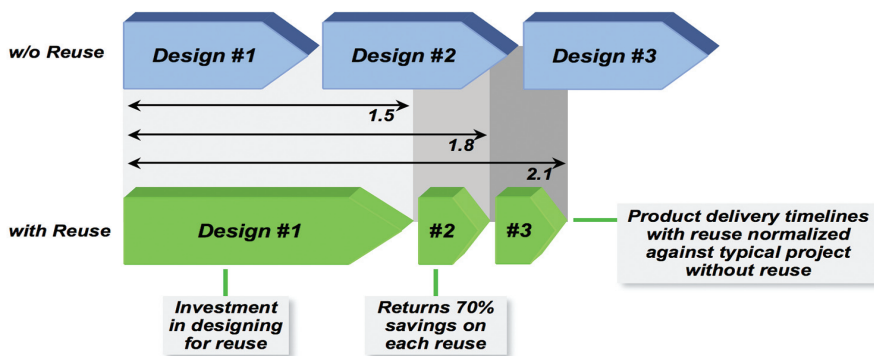


MatrixOne Library Central™

In most industries today, the complexity and rate at which new products need to be developed has already out-paced the rate at which many companies can produce them. Furthermore, the rate at which companies need to develop product content is expected to continue to grow faster than the current rate that they are improving their productivity.

Studies have shown that effective management of product content through enabling reuse can cut up to 70% off of design time. A key enabler of this savings is the infrastructure required to catalog, find and manage the reusable data. An inefficient reuse system will diminish any potential savings that may be gained. Moreover, a system that does not fit the company's business and data or is difficult to use will not be effective if it is even used at all. The investment made in the reusable product data will then be lost.



MatrixOne Library Central provides capabilities to address a number of key business challenges in implementing an efficient and effective product content reuse system:

- Accelerated product development and shortened time-to-market via reuse of design components and product documentation
- Increased reliability, higher quality and lowered cost through the reuse of previously validated product content
- Improved collaboration by enabling users across the enterprise to find and add their own product content

Library Central is a product content catalog solution that enables companies to achieve a competitive advantage by accelerating product development and delivery through reuse. Users can easily create new documents or locate existing product content to classify and organize it in a hierarchy that is tailored to their business environment and products. Because of the low effort involved in defining the library, it can quickly and easily adapt to rapidly changing business needs.

The application allows different libraries to have different classification systems and even enables multiple role-based taxonomies to be used to organize the same common product data. This allows all users to easily contribute to overall product content by using libraries tailored for their specific domain and/or job function.

MatrixOne Library Central provides simple and efficient search and navigation capabilities. Whether using the hierarchical tree-browser or the powerful parametric search capabilities, it is quick and easy for users to thoroughly search library repositories to find the best available match for their criteria. This in turn maximizes the reuse achieved and the savings returned on the investment in the company's intellectual property.

Business Process Application

With MatrixOne Library Central you can:

- Create multiple library classification systems to fit your company's business needs, functional roles and/or products
- Apply standard attributes to a library's taxonomy for robust parametric searches and comparisons of classified data based on different usage models
- Classify existing product content from other ENOVIA MatrixOne solutions or create new product documents with robust document management capabilities
- Search libraries based on all parameters associated to its classes
- Associate units of measure to numeric attributes to enable conversions when searching and displaying library data
- Control security access rights to library classification structures to ensure proper access to IP
- Request additional "download" access from a librarian after reviewing library content for items of interest
- Ensure that library information undergoes thorough peer reviews before being made available to the rest of the organization
- Subscribe to library updates and additions to stay informed of critical product content changes
- Track document usage by executing reports to understand which products or groups are effectively reusing material
- Manage royalty payments on contractual obligations by setting up alternative classification systems suited for legal and business requirements

ENOVIA MatrixOne PLM Environment



Accelerating Product Delivery through Efficient and Effective Reuse

Library Central enables companies to create and manage catalogs of product development data to enable the company to leverage the investment previously made in its intellectual property.

Features and Capabilities

Enterprise-Wide Product Content Catalogs Librarians can define multiple library classification approaches to fit the company's business needs, functional roles and/or products. These libraries are accessible to all users in the company to help promote sharing and re-use of product content. A library classification hierarchy can be tailored in a live system without having to change the underlying database schema. Therefore, the librarians can manage the libraries and their taxonomies themselves rather than going through an expensive modification of the entire PLM system and expending IT resources.

Role-Based Library Classifications Multiple classification taxonomies can be defined that simultaneously organize the same content from the perspective of different roles. Each role can view the product data through its own library, with its own classifications. Each library has its own attributes that are inherited based on where the object is classified in the taxonomy, and can be browsed and searched within its role-specific definitions. This makes it very easy for each role to find data from their own context, but from a single common database.

Parametric Searches and Comparisons The optional Library Central Classification Module allows librarians to define reusable sets of attribute definitions that can be applied throughout the classification hierarchy and automatically assigned to content as it is classified. The attributes have formal meaning to the taxonomy and can be inherited from class to sub-class, which reduces the effort to create and maintain the classification system. Using the Classification Module, the definition of classified product content is extended with unique parametric data focused on the usage model of the library's intended users. As a result, the same product content can be accessed by users throughout the company based on the needs unique to their jobs. The powerful, yet simple to use, search capabilities makes it easy to locate product content based on complex sets of reuse criteria. Searching across different units of measure is enabled as Library Central automatically compares the specified search criteria against the database regardless of how the parameters were originally captured. A sophisticated comparison tool can be used to further analyze search results to identify differences for ranking alternatives. The simplicity of the search tools encourage end users to always look for the best available content instead of settling for the first adequate one encountered.

Library Security A flexible access control mechanism allows librarians to determine which users and/or roles have access to the library classification structures. Only specified users are able to view and navigate the libraries, the library structures and its content. In addition, limited access can be granted to allow users navigation access, but not download access to the classified content or IP. Subsequently, users can then request additional download access from the librarian to the given IP and be granted temporary time-based access if the request is approved.

Document Management Library Central is intended to allow end users to classify product content from any ENOVIA MatrixOne solution or it can be configured to create new product related documents of any type. Each document type can be assigned unique release processes and access controls. As a document proceeds through its lifecycle, different user roles can have access to download its files or upload a new version. When making changes, the document can be locked to alert other users that a change is being made.

Electronic Review Processes The system can be optionally set up to enforce cross-functional reviews of library content before it is accessible by a broader group of end users. Routes are used to circulate the content to select individuals for review and approval. Route creation and setup can be further simplified by the use of Route Templates, which pre-define the steps that must be followed. The review process complies with the FDA's 21 CFR Part 11 regulations for recording electronic signatures. Whether you need to comply with FDA regulations or not, your company can benefit from capabilities such as password verifications, password aging, password format checks, failed attempts logging and requiring two administrators to alter a user's password.

Notification of Changes Users can subscribe to automatic notifications for key events such as new content being added to the library or changes made to classified items. Subscriptions can be attached to entire libraries or to individual components. Notification comes in the form of automatically generated email and can include attached descriptions and links to the relevant library or components for easy navigation. This means that users making use of data from the library can make decisions based on up-to-the-minute status of issues and updates, rather than static knowledge captured at the time of reuse.

Usage Tracking Library Central can optionally track usage information for documents that are accessed through the classification structures. As users access IP, they are prompted to fill out usage information that describes the purpose of the download. Using built-in reports, librarians can track how IP is being used throughout the enterprise.

Royalty Management and Contract Obligations Alternative classification systems specific to legal and business requirements are easily defined and applied to engineering product data. Contracts and other relevant legal documents are directly linked to the reuse data within the PLM system. This enables component usage to be automatically tracked so that payments are correctly made and reports are automatically generated to ensure compliance is maintained.

The Matrix PLM Environment

Being the industry's most robust and flexible PLM environment, Matrix PLM provides organizations with a single, secure environment that eliminates the barriers caused by geographically dispersed organizations and value chains, multiple disparate systems and increasing security requirements. The environment consists of a portfolio of business process applications that work in conjunction with the Matrix PLM Platform and our broad offering of enterprise integrations.

About ENOVIA MatrixOne

MatrixOne, Inc. was acquired by Paris-based Dassault Systèmes in May, 2006 and today is part of its ENOVIA PLM Collaborative Environment family of solutions. The ENOVIA MatrixOne solutions enable companies to accelerate product innovation to achieve top line revenue growth and improve bottom line profitability. ENOVIA MatrixOne is focused on helping companies across the automotive, aerospace & defense, consumer, machinery, medical device, semiconductor and high-tech industries solve their most challenging new product development and introduction problems. More than 850 companies use ENOVIA MatrixOne solutions to drive business value and gain a competitive advantage, including industry leaders such as BAE Systems, Bosch, Comau, General Electric, Honda, Johnson Controls, Linde AG, NCR, New Balance, Nokia, Philips, Porsche, Procter & Gamble, REI, Sony Ericsson, STMicroelectronics and Toshiba. ENOVIA MatrixOne (www.MatrixOne.com) is headquartered in Westford, Massachusetts, with locations throughout North America, Europe and Asia-Pacific.



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