EXALEAD ONEPART REUSE

OBJECTIVE

EXALEAD® OnePart REUSE is a business discovery application that accelerates the reuse of parts, designs, specifications, standards, test results, and related data for engineering and manufacturing activities. EXALEAD OnePart REUSE helps designers and engineers find reusable parts quickly so they can determine whether or not to incur the costs associated with creating new ones.

EXALEAD OnePart REUSE does not create any new data. It does not create new documents, workflows, or datacards. It is simply a window into the data your company already has in various locations across the enterprise.

OVERVIEW

EXALEAD OnePart REUSE leverages the web semantics, analytics, mashups, and Big Data management technologies of EXALEAD CloudView™ to locate information from multiple sources and make it available instantly. With just a few clicks, users can explore legacy parts and related 2D/3D designs, gaining immediate insight into vast amounts of previously hidden data. They can further refine their search using side-by-side comparisons to identify the right part. When a similar part is discovered, users can also analyze important related documentation like specifications, testing, validation, and certification material in multiple formats (such as ..xlsx and .pdf) to facilitate optimal reuse and to gain a complete view of the situation.

EXALEAD OnePart REUSE helps:

- **Identify and reduce duplicate parts at scale.** The EXALEAD OnePart REUSE crawler can quickly identify and index large amounts of data distributed across multiple data vaults or data systems. Indexing can be performed on all data in a single run or as a subset of data on an as-needed basis.

- **Simplify clustering of parts for Procurement departments.** Automate clustering of parts based on part family, project or any metadata associated with the model.

- **Share and adhere to company standardization policy.** Ensure that engineers do not create parts from scratch when there are standardized parts available in the database.

BENEFITS

- Avoid costs associated with duplicate part creation by reusing existing models and related intellectual property.
- Complete programs faster.
- Free up engineering capacity to focus on new products instead of recreating models of existing parts.
- Leverage valuable Intellectual Property (IP) and knowledge locked inside legacy systems by indexing all data sources.
- Encourage continuous improvement.
- Achieve on-time and on-budget production objectives.
- Reduce production line shutdowns by locating substitute parts that are readily available in inventory.
- Streamline the creative process by process simplification and part standardization.
- Use a Single Source of Truth (SSOT) to facilitate collaboration between Manufacturing, Engineering, and Procurement.
- Lower costs for new product introduction by focusing on innovation, getting to market faster and with fewer redesigns.

CAPABILITIES

- **3D Shape Search:** Discover similarly shaped parts in a database using EXALEAD OnePart's 3D shape search and comparison technology.

- **Metadata search:** Find CAD and non-CAD objects in a data vault using metadata tags attached to objects.

- **CAD agnostic:** Search for parts, assemblies, drawings, documents, and images in more than 200 formats, including industry-standard CAD formats, document formats, and image formats.

- **Analytics view:** Deep and multifaceted view of your data showing metrics such user contribution stats and part usage across programs. The Analytics view provides users with clickable, real-time charts, allowing for unprecedented insight into data.

- **Multi-source indexing:** Index data from multiple sources such as file systems, SOLIDWORKS PDM Professional, ENOVIA® SmarTeam, ENOVIA Designer Central, and other Product Data Management (PDM) and Enterprise Resource Planning (ERP) systems, and databases.

- **Multiple language support:** Has a multi-lingual User Interface (UI) in English, French, German, and Japanese.

- **Security mechanisms:** Declarative, audited security mechanisms ensure that users only see content they are entitled to see.

- **Intelligent search options:** Full-text search with auto-completion of user queries, advanced search, plus dynamic and disjunctive faceted search.

- **Tagging to enhance communication:** User tagging of parts and documents, for easy retrieval and lightweight workflow.

Going one step further with EXALEAD OnePart REDUCE

EXALEAD OnePart REDUCE introduces a new way to work, focused on classifying and de-duplicating existing parts, thus decreasing legacy parts, simplifying the system, and cutting unnecessary costs tied up in stock.

- **Classification:** With a global view of all legacy systems, quality and method engineers can build unique clusters of parts, by assembly, by project, or company-wide. This categorization is made up of part families and sub-families. For each of those, intuitive comparison tools identify the reference parts available for future projects and those to be phased out. A single representative part enables the propagation of data across all similar parts in the family. Thus all parts inherit the family name. Classification of parts by family facilitates part searching using EXALEAD OnePart.

- **De-duplication:** Once all the parts in the family are classified and specific parts tagged as either the master, alternate, or obsolete, the resulting categorization is propagated into EXALEAD OnePart and the **3D**EXPERIENCE® platform for reuse. It can then be easily sent to the PDM and ERP systems for efficient stock management. Obsolete and duplicate parts can be removed from the system, avoiding the intensive manual effort required in the past. With EXALEAD OnePart REDUCE, the part decision-making process is smoother because parts can be better managed in the future, saving time and money.

Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3D**EXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 220,000 customers of all sizes in all industries in more than 140 countries. For more information, visit **www.3ds.com**.

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