

INDUSTRIAL EQUIPMENT SINGLE ENGINEERING SOURCE

Accelerate Cycle Time with Multi-disciplinary Engineering including

VISIBILITY, CONTROL, AND SYNCHRONIZATION OF GLOBAL DESIGN PROCESSES

Single Engineering Source for the Industrial Equipment industry delivers a global design solution specifically designed to support multi-disciplinary design operations.



Single Engineering Source facilitates global product development across all engineering disciplines such as mechanical, tubing, piping, tooling and molding that collaborate on designs from different sites around the world. With advanced similarity search capabilities, designers can locate geometric similarities with past designs in existing models for reuse. Simulation capabilities for designers help them to rapidly test their designs before deciding on the one which is optimal. They have tools to identify, solve and track issues occurring during product development. Intellectual property is protected as suppliers are given need-to-know access to corporate information based on their project roles and responsibilities

Single Engineering Source is available on premise and on cloud.



INDUSTRY CHALLENGES

- How do we reduce new product development times?
- How can we ensure designs comply with corporate standards and best practices?
- How can we better synchronize multiple disciplines in the product development effort?
- How do we mitigate late-stage errors and costly reworks?

SOLUTION HIGHLIGHTS

- Powerful advanced similarity search capabilities to find similar products within native or legacy systems for reuse.
- Sheet metal characteristics incorporated in design facilitates manufacturing.
- Company rules and standards incorporated in reusable design templates.
- Welding characteristics included in designs helps calculate weld weight and estimate production costs.
- Component catalogs structured by chapter and keyword.
- Supports integration of multiple disciplines in designs.

SOLUTION VALUES

- Saves time by reusing existing designs.
- Enables multi-disciplinary collaboration in a secure environment with IP protection.
- Rapid testing with design simulation features helps evaluate more design alternatives.
- Identifies and monitors issues throughout product development.
- Categories of components in catalogs facilitate management and search.
- Streamlines collaboration with partners and suppliers.
- Virtual design reviews helps identify inconsistencies.
- Knowledge-based design enables designers to capture and reuse know-how.

SINGLE SOURCE FOR SPEED

Single Engineering Source is part of *Single Source For Speed*, a Dassault Systèmes Industry Solution Experience based on the 3DEXPERIENCE® platform that manages the end-to-end multi-disciplinary product development process by delivering a unified design experience to industrial equipment companies that need to address their complex manufacturing challenges. With *Single Source For Speed*, project stakeholders have social networking, design and business applications that facilitate decision-making, reduce costs and accelerate time to market.



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

Dassault Systèmes, the 3DEXPERIENCE® 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 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.



Americas
Dassault Systèmes
175 Wyman Street
Waltham, Massachusetts
02451-1223
USA

Europe/Middle East/Africa
Dassault Systèmes
10, rue Marcel Dassault
CS 40501
78946 Vélizy-Villacoublay Cedex
France

Asia-Pacific
Dassault Systèmes K.K.
ThinkPark Tower
2-1-1 Osaki, Shinagawa-ku,
Tokyo 141-6020
Japan