

DS DELMIA V6R2013x – Fact Sheet

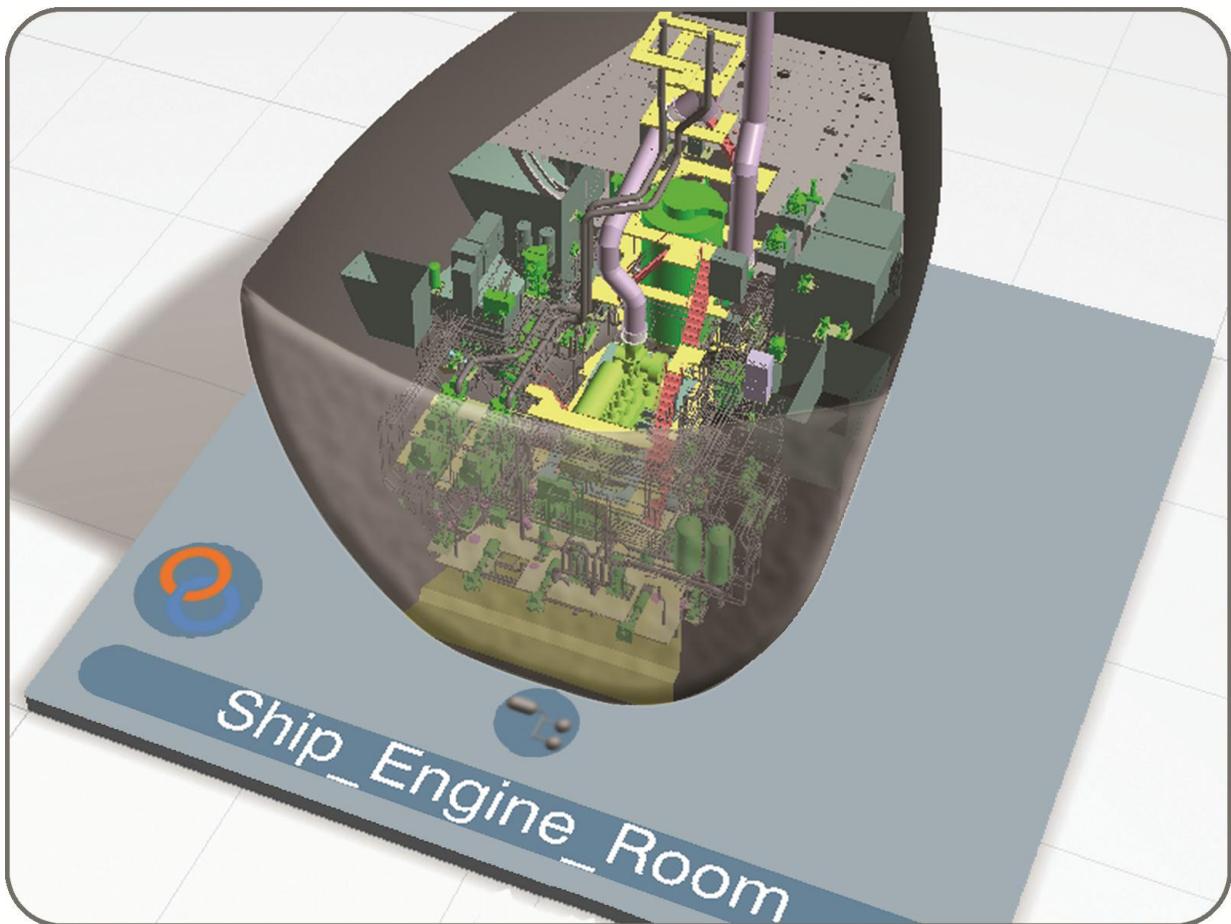
***3DEXPERENCES of Global Production
Systems for all stakeholders in the extended
supply chain.***



3DEXPERIENCE

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DS V6R2013x Release

Dassault Systèmes made available Version 6 Release 2013x. This release delivers enhancements for all of our **Social** and **Collaborative, Information Intelligence, Content** and **Simulation**, as well as **3D Modeling** apps. It continues to bring unique value for all industries served by Dassault Systèmes.

Users of **DELMIA V6R2013x** benefit from a 3D collaborative innovation and production experience for all actors in the manufacturing lifecycle such as virtual process and system definition, workcell set-up, optimization, scheduling, and operation, to maintenance of real-time production systems. Below are the key highlights of the Version 6 Release 2013x release.

DELMIA V6R2013x ENHANCEMENTS QUICK VIEW

- **New manufacturing capabilities for the Marine and Offshore Industry**
Process Planners now have a dedicated environment to perform part planning and large manufacturing assemblies definition
- **New visualization capabilities for vehicle occupancy with 3D manikins**
Process Planners can automatically create assemblies and perform part planning from initial process generation to final output including assemblies, parts, and drawings. **Faster**
- **Faster creation, editing and execution of robot programs**
Robot programmers can quickly generate production robot programs using the controller's native programming language, without learning and translating a generic simulation language.
- **Automatic line balancing incorporated into Process Planning**
enables users to balance processes in Automotive Final Assembly applications by taking into account several restrictions.

3DS DELMIA V6

V6 Virtual Manufacturing and Production for PLM 2.0

Global Collaborative Innovation...

V6 makes manufacturing and production information available to the dynamic communities of an extended enterprise. Powered by the DS V6 single platform, the right people in the global community have immediate access to people, teams, IP, and manufacturing assets thereby accelerating IP sharing and creation by expanding the knowledge network with collaborative communities.

Lifelike Experience...

Through its unique and revolutionary 3D Navigation of manufacturing data, V6 provides a natural 3D PLM environment for locating, viewing, and authoring manufacturing IP. Additionally, new and innovative PLM context-based 3D authoring tools provide a user friendly experience when authoring manufacturing IP. V6 provides a new experience in process planning where the planner is able to define an assembly process using a natural and intuitive approach within the 3D product environment.

Single PLM Platform for IP Management...

V6 effortlessly connects all PLM enterprise business process with a single platform accelerating IP creation through the pervasive proliferation of all engineering and manufacturing information and knowledge. A common UI experience for all applications fosters active participation of all stakeholders in product and lifecycle management. Context based decision making is enabled by automatic change propagation that is accessible by all communities in the PLM 2.0 environment.

On-Line Creation and Collaboration...

Today's demands on global manufacturing require the power of V6 in a mobile environment that enables you to connect, author, and collaborate to make optimum business decisions wherever you are through web-enabled authoring of manufacturing processes and real time collaboration with remote locations. V6 provides interactive web-based access to all production assets including plants, resources, processes, and best practices fostering innovation and collaboration with the global supply chains.

Ready to use PLM Business Processes...

Transform your manufacturing operations through ready-to-use industry specific PLM business processes that capture the value within each industry and provide the best and most tailored path for PLM 2.0 to drive innovation. Utilizing these PLM Business Processes, manufacturing becomes an integral part of program management using common IP, predefined industry-specific workflows, and best practices.

Lower Cost of Ownership - ROI Breakthrough...

Lower cost of ownership at both the IT and user levels is achieved when DS V6 is deployed. V6 delivers lower costs for an enterprise IT organization by reducing deployment time through simplicity of installation, maintenance, and management via a single server and database for all manufacturing and collaborative business processes. Additionally, the adoption of the V6 SOA architecture allows easy integration with existing systems, and modeling of business processes with no programming skills needed to support an adaptable business model. At the user level, an evolved user interface minimizes the training investment and time needed to achieve optimum levels of user productivity.

DELMIA V6R2013x

New manufacturing planning capabilities for the Marine and Offshore Industry

DELMIA Marine and Offshore Manufacturing Planning (MOG) provides the foundation for all V6 Ship Building manufacturing solutions and delivers to process planners a dedicated environment to perform part-planning and large manufacturing assembly's definition. With a unified data model, and a single workbench MOG enables all manufacturing planning disciplines to collaborate. MOG is also the common foundation for detailed planning products dedicated to Structures, HVAC, Piping and Electrical.

New visualization capabilities for vehicle occupancy with 3D manikins

With **DELMIA Ergonomics for Vehicle Design (EVD)** Designers can effectively predict occupant posture with virtual 3D manikins. Using 3D manikins in the V6 virtual environment, designers can evaluate how humans interact with seats, spaces, and controls in a vehicle under design. The experience makes it possible to predict posture and reach-ability for specific populations selected from a database. EVD can reveal posture and comfort issues at the most cost-effective time – when the design process is just getting under way and live occupants can't be used. Design errors can be corrected while the cost of changes is minimal. EVD lets you share the predicted postures with designers of seats, internal architecture, ergonomics experts, and other disciplines users. They can collaborate throughout the design process using the same manikins

Faster Creation, Editing and Execution of Robot Programs

With **DELMIA Robotics Offline Programming (ROP)** Robot Programmers can quickly generate production robot programs using the new Native Robot Language (NRL) Teach experience. NRL Teach allows users to develop robot programs directly in V6 using the controller's native programming language without learning and translating a generic simulation language.

Automatic Line Balancing incorporated into Process Planning

With the incorporation of automatic line balancing into **DELMIA Process Planning (PRP)**, Transportation & Mobility Process planners have a rich array of functionality to balance processes for automotive assembly lines. DELMIA Automatic Line Balancing offers data in a visually intuitive, graphically intensive, easy-to-use manner allowing the planner to have views highlighting the automatic balancing based on process graphs and other restrictions as well as provide the ability view material planning, and manual rebalancing processes.

Digital Manufacturing and Production Users

▶ Modeling

- Supply Chain Planner
 - Supply Chain Planning encompasses the definition, management and execution of the company's total supply chain strategy including logistics and material management.
- Process Planner
 - Evaluates, develops, improves and documents all manufacturing processes including estimating production times, optimizing staffing requirements, optimizing resource utilization and costs.

▶ Simulation

- Industrial Engineer
 - Leverages computer simulation technologies and programs model engineering projects to evaluate the risks and benefits in a virtual environment.
- Machine Programmer
 - Defines and validates the behavior of manufacturing resources such as programmable robots and CNC machines.

▶ Operations

- Production Planner
 - Creates and maintains production schedules and resource allocation to ensure maximum production performance.
- Quality Engineer
 - Ensures production quality standards are met as well as providing advice and counsel to internal business groups regarding regulatory issues.
- Worker
 - Responsible for the creation, maintenance and repair of products and assemblies including actions such as machine setup, operation and maintenance.

▶ Cross

- Manufacturing Management
 - supervises all activities from planning, scheduling, quality control, materials management, and production.