



The Power of CATIA for Mid-Size Companies

Dassault Systèmes introduces dedicated offerings built on CATIA PLM Express to provide mid-size companies in specific industry segments with the PLM implementation that best suits their needs and profiles.

product



By **Stephanie Fournier**



CATIA for Aerospace Supply Chain

Based on more than 20 years of experience in the aerospace industry, Dassault Systèmes developed "CATIA for Aerospace Supply Chain" to help aerospace suppliers build and maintain close relationships with OEMs and risk-sharing

partners. The cutting-edge technologies and process-centric architecture of this new offering enable companies to leverage their know-how to rapidly respond to customer needs and specifications, and to maximize productivity while seamlessly managing the supply chain relationship to better serve aircraft programs.

In an environment where OEMs are increasingly selective regarding their suppliers, it is crucial to be equipped with the best-in-class, proven PLM System in the aerospace industry. CATIA is the largest PLM platform used to develop most aircraft programs and is a leader in most aerospace processes, such as composites, machining, and tooling. It embeds high-



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performance technologies that provide manufacturers with a leading edge in productivity and domain leadership.

CATIA provides the aerospace industry with a standard working environment that allows users to easily and securely share and transfer data throughout the supply chain for an accurate and innovative product. »

For more information:
www.3ds.com/catiaforaerospacesuppliers



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“The aerospace industry is practically all on CATIA, so if you don't have it you may not even be considered for the job.”

Nagi Homsy, Vice President of Engineering, Héroux Devtek

CATIA for Automotive Suppliers

CATIA extends its automotive industry expertise to suppliers and tool makers of all sizes with "CATIA for Automotive Suppliers". This offering helps them strengthen competitiveness by leveraging their know-how to deliver high quality products, on time, to their Tier 1 and OEM customers while, at the same time, reducing costs.

knowledge and experience accumulated over the years can easily be shared and re-used for new projects. It also makes it possible to ensure that quality standards are maintained through every phase. This results in improved product quality, faster delivery, and increased standardization.

With 3D, a "Master" can easily be created and reused in other areas such as simulation and numerical control (NC). Digital manufacturing simulation and validation facilitate the creation of customer proposals with better accuracy. In addition, standardizing parts helps automo-



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tive suppliers reduce buying, manufacturing, storing and maintenance costs thus enabling them to price their parts more competitively. "CATIA for Automotive Suppliers" also automatically updates associated tool designs when a part is modified. »

For more information:
www.3ds.com/catiaforautomotivesuppliers

CATIA for Style

The revolutionary "CATIA for Style" enables small- and medium-size design and engineering companies to access the power of styling tools in an intuitive and fun environment to easily design new shapes and products with speed and creativity.

"CATIA for Style" delivers key technological differentiators: the ground-breaking CATIA Imagine & Shape for the Industrial Design process and CATIA Functional Molded Parts for the Mechanical Design process. In addition, "CATIA for Style" offers industrial and mechanical

designers unique integration between advanced, robust surface design applications and detailed design applications.

Thanks to powerful 3D conceptual tools and associativity capabilities, new technology is brought in rapidly and many different design alternatives explored without having to start from scratch. "CATIA for Style" also helps improve product quality through the re-use of proven design specifications and advanced surface analysis tools while intelligent features and corporate catalogs of standard components help ensure product consistency and

product architecture optimization. And as industrial and mechanical designers work on the same data, changes are automatically propagated from concept to manufacturing. Similarly, late modifications reflecting the latest trends in customers' tastes are quickly integrated and propagated to minimize the impact on the final product delivery. »

For more information:
www.3ds.com/catiaforstyle

“On the whole, after 18 months of production, we had gained 30 to 40% in design time.”

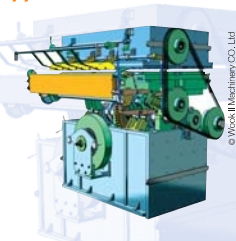
Laurent Simon, CAD/CAM Manager, N. SCHLUMBERGER

CATIA for Industrial Machinery

CATIA for Industrial Machinery" helps Industrial Machinery manufacturers be the first to bid or introduce new products while ensuring feasibility and profitability.

Thanks to "CATIA for Industrial Machinery", bidding and design phases are considerably optimized since designers can reuse 50% to 70% of previous product designs.

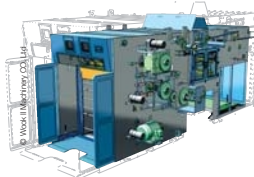
The knowledge from prior projects is readily available while ongoing and future developments are managed in a single secured collaborative environment. In addition, company and international standards are easily embedded into templates while built-in simulation capabilities enable virtual product review, further reducing errors and making it possible to achieve product certification and compliance to requirements the very first time. "CATIA for Industrial Machinery" also simplifies customization by capitalizing on pre-approved standard components and intelligent design templates while manufacturing, purchasing, and maintenance constraints are automatically incorporated into the design. Late modifications can then easily and quickly be made by simply changing the parameters.



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Finally, maintenance data and production documentation are intuitively accessible via an easy-to-use database. »

For more information:
www.3ds.com/catiaforindustrialmachinery



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