

CATIA for Aerospace Supply Chain



The Challenges

Globalization has affected today's aerospace industry with a variety of pressures, such as compressed time schedules, cost reduction, global competition, and increasing product complexity. In order to protect competitiveness and increase productivity, aircraft manufacturers have become extremely selective in choosing their suppliers and require them take on greater responsibilities in the supply chain in order to become a partner of choice.



To remain in business, aerospace suppliers must demonstrate readiness to the OEMs (Original Equipment Manufacturers) to be considered favorably for work packages while working in compliance with inter-company processes that are defined by the OEMs. Aerospace suppliers are continuously challenged to find better ways of streamlining their business processes by taking advantage of latest solutions and technologies. Those who choose to stay in status quo risk losing their businesses

altogether to better performing competitors.

The aerospace supply chain is comprised of many key players, all of whom are working to achieve a common goal – to build aircraft. To move up the value chain and become a close and frequent OEM supplier, aerospace suppliers require high-end process-centric solutions that ensure high-precision product creation and facilitate efficient collaboration, meeting their customers' needs with speed and accuracy.

In order to overcome these challenges, aerospace suppliers must:

- choose a solution designed to precisely meet their needs
- invest in a scalable solution that enables them to comply with their customers' processes
- improve collaboration between design, manufacturing, and service engineering teams early in the process
- be able to modify designs quickly by capturing and reusing knowledge

Boost Your Business

CATIA is the largest design platform used to develop most aircraft programs. Dassault Systèmes (DS) has accumulated more than 20 years of aerospace expertise through solution development and close relationships with major aerospace OEMs and large suppliers. DS is pleased to expand its PLM (Product Lifecycle Management) expertise to all aerospace suppliers, enabling companies of all sizes and backgrounds to leverage their know-how and maximize their productivity to better serve the OEM's aircraft programs.



CATIA for Aerospace Supply Chain helps aerospace suppliers to build and maintain close relationships with OEMs and risk-sharing partners. Its cutting-edge technologies and process-centric architecture enable companies to respond rapidly to the customer's demands and specifications, while effectively managing their own supply chain.

Grow With Your Needs

CATIA for Aerospace Supply Chain gives you the flexibility to choose the capabilities and the technologies that suit your need. Our solutions can be easily configurable by business process domain and engineering role. As your company grows and your are reaching out to new customers, you can expand your personalized CATIA for Aerospace Supply Chain solution coverage in the future.

COAST COMPOSITES, INC

“Approximately 50 percent of the revenue generating capability is based on the advantages of using CATIA and embedded products, like SMARTTEAM and Knowledgware. The potential is just unlimited as far as we can see.”

Jerry Anthony
President

“The aerospace industry is practically all on CATIA, so if you don't have it you may not even be considered for the job (...) the more we can get manufacturing involved early in the process, the better the design is going to be”

Nagi Homsy
Vice President of Engineering

HÉROUX DEVTEK

Join the Leaders

In a new 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 a leading platform in most aerospace processes, such as composites, machining, and tooling. Many successful aerospace programs used CATIA to support their processes and develop aircrafts, such as Boeing, Airbus,

Pratt & Whitney... It attests how much aircraft makers rely upon CATIA to drive their projects. With CATIA for Aerospace Supply Chain, it is easy and rapid to integrate your customers' processes. In addition, it embeds high-performance technologies that give you the leading edge for higher productivity so that you can demonstrate your domain leadership and get more and more responsibilities in aircraft programs.



Collaborate Efficiently

Collaboration is more than just working together. Enhanced collaboration is one of the keys to business success. It requires early communication and close attention to detail to provide an accurate and innovative product. It must be simple and secure. CATIA has become the de-facto PLM standard solution in the aerospace industry, creating a standard work environment for you to easily share and transfer your data throughout the supply chain. Furthermore,

CATIA for Aerospace Supply Chain enables you to benefit from a powerful exchange platform to facilitate supply chain integration, promote master data management, strengthen the automation of processes and improve decision-making. That helps you to close the loop between you and your customers, and therefore, reduce costs by streamlining the supply chain management.

Develop Your Expertise

Accurate product design is crucial for quick product delivery and cost reduction. CATIA for Aerospace Supply Chain is equipped with knowledge-based modeling that enables you to capture and reuse design knowledge, saving you time and ensuring design accuracy. In a hand, it helps you to avoid repetitive non-valuable tasks, and to concentrate all your efforts on innovation. In the other hand, you can capitalize on

your knowledge to build a real expertise that will strengthen your key differentiations in comparison with your competitors and reinforce your leadership.

In today's demanding aerospace industry, the race to performance improvements has to take into account process optimization and knowledge management. Therefore, if you don't prioritize these elements, you will probably let your competitive advantage slowing down.



Dassault Systèmes leads the market in the provision of engineering solutions to the aerospace industry since many years. CATIA have become the system of choice for major aircraft makers and the core extended enterprise-engineering suite for all new aircraft programs. Now with CATIA for Aerospace Supply Chain, you can capture the benefits of its platform and applications to be a frequent supplier of top aircraft makers.

Ensure Customer Satisfaction

Your customers are counting on you to deliver as promised. Customer satisfaction is vital to building and maintaining close customer relationships, in addition to winning new customers. The competitive market requires you to deliver your products to your customers quickly so that you stay ahead of your competition. CATIA for Aerospace Supply Chain makes it fast and easy to design and deliver your product on time.

REALMECA

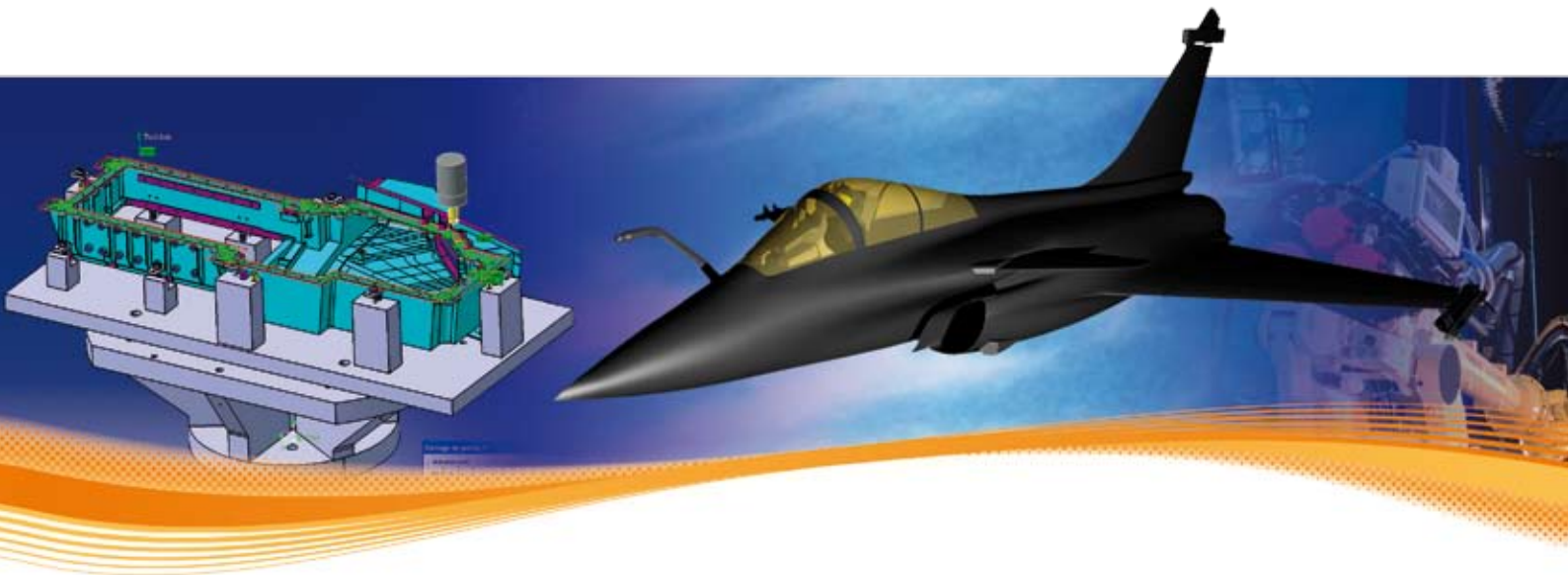
“Our designers need to concentrate on their know-how, and stop wasting time on non valuable tasks. With CATIA, we can always respond to our customers' demands, which is the principal reason that made us choose CATIA (...) it enables us to provide our customers with guarantees about our strategy.”

Jean-Baptiste Medot
Account Manager

Realize that Time is on Your Side

Most companies don't have time to waste on complicated tools and their training programs. CATIA for Aerospace Supply Chain is easy to install and use so you don't waste your time on complex design solutions. Once you have quickly designed your product through simple modifications and enhanced collaboration, you realize that you are on the fast track to manufacturing, and time is on your side after all.

Designed specifically for suppliers, CATIA for Aerospace Supply Chain provides you the solution you need at an affordable price. It is the result of many years of collaboration with many aerospace companies from all sizes. It delivers flexible solutions tailored to meet your day-to-day business needs and can be easily extended to answer your future needs.



"We created the virtual platform in order to work as though we were on a physical platform, and to share a common database among our 27 partners around the world in near real-time."

Jacques Pellas
CIO

DASSAULT AVIATION

Prepare for Leadership

Once you have designed and delivered a winning range of products to your customers on time, you will be ready to move on to create an unsurpassable cycle of productivity. Your customers will be satisfied, and your bottom line will increase. Then you can take advantage of your winning position and continue to expand your competitive advantage.



GOODRICH AEROSTRUCTURES

“By embedding design rules and standards, we have increased the accuracy and availability of CAD data, improving productivity across design teams and our global supply chain.”

Katherine Wood
Project Manager

PRATT & WHITNEY

“We must enable worldwide collaboration while not wasting time in data transfer or management.”

Sherrill Novosad
Project Manager

**Dassault Systèmes
(Head Office)**

9, quai Marcel Dassault, BP310
92156 Suresnes Cedex
FRANCE
Tel: +33 1 40 99 40 99

**Dassault Systèmes
of America Corp.**

6320 Canoga Avenue
Trillium East Tower
Woodland Hills, CA91367-2526
USA
Tel: +1 818 999 2500

**Dassault Systèmes
Kabushiki Kaisha**

Pier City Shibaura Bldg 10F
3-18-1 Kaigan, Minato-Ku
Tokyo 108-0022
JAPAN
Tel: +81 3 5442 4011



About Dassault Systèmes

As a world leader in 3D and Product Lifecycle Management (PLM) solutions, the Dassault Systèmes group brings value to more than 90,000 customers in 80 countries. A pioneer in the 3D software market since 1981, Dassault Systèmes develops and markets PLM application software and services that support industrial processes and provide a 3D vision of the entire lifecycle of products from conception to maintenance. The Dassault Systèmes portfolio consists of CATIA for designing the virtual product - SolidWorks for 3D mechanical design - DELMIA for virtual production - SIMULIA for virtual testing and ENOVIA for global collaborative lifecycle management, including ENOVIA VPLM, ENOVIA MatrixOne and ENOVIA SmarTeam. Dassault Systèmes is listed on the Nasdaq (DASTY) and Euronext Paris (#13065, DSY.PA) stock exchanges. For more information, visit www.3ds.com

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