



# Innovation for a Sustainable World



*See what you mean*

## Dassault Systèmes in 2008

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## 3D opens the door to the world we imagine.

The Dassault Systèmes (DS) vision is to enable everyone—from designers to consumers and their communities—to create, share, and experience in 3D. As a world leader in 3D and Product Lifecycle Management (PLM) solutions, the company's software and services allow businesses of any size in any industry around the globe to digitally define and simulate products, as well as the processes and resources required to manufacture, maintain, and recycle them while sustaining our environment. DS applications provide new opportunities to use 3D representation for online lifelike experiences in order to enhance real-life living spaces and everyday products.

# Sustainable Innovation in Changing Times

## What role can innovation play in the economic crisis?

Today we're facing a global economic slowdown that's affecting everyone on some level. Overcoming the crisis depends on a company's flexibility and ability to adapt to the new economic environment, and more specifically its ability to innovate. In this context, the current challenge for many companies is to revamp their product portfolios, as well as the way they conduct business and interface with customers and suppliers.

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“Sustainability goes beyond just being ‘green’.”

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We must also keep in mind that the definitions of success and growth are evolving. With our changing world come shifted values. In the past only revenue mattered. Now sustainability is a word that every household is embracing, and therefore so are corporations. To surmount the slowdown companies must focus on producing sustainable products and being sustainable. This goes beyond just being “green” and is also about education, safety, compliance and so much more. More than ever, innovation is at the heart of sustainable growth.

## How can Dassault Systèmes help its clients through this evolution?

DS provides companies with the means to grow sustainably and generate consumer confidence and brand loyalty. People will grow more and more concerned about what they're buying and how it impacts their health and the environment. Traceability is critical for building trust. Where does a product come from and is it safe? Our solutions help companies demonstrate this.

With today's extended enterprise, no matter the industry, a company's sustainability also depends on that of its supply chain. Monitoring the supply chain and transforming it to a sustainable value chain requires reconfiguring processes to act with increased efficiency and flexibility, all while adhering to sustainable business practices.

We must also consider that consumers are changing the way they buy. They're becoming more demanding and selective with their purchasing choices. Consumers will buy products from companies that share their values in addition to offering the products they need. Labeling and packaging are key elements to help consumers understand a product's sustainability and decide what to buy. Our solutions cover this as well.

## Will companies have the time necessary to implement these solutions before it's too late?

Speed is everything. To ensure that consumers will continue to buy their products, many companies will be under pressure from both competition and customers to adjust their pricing structures and product portfolios and expand their activities internationally. We can help companies accelerate their evolution. Our solutions are powerful and can specifically address our customers' problems today in order to ensure their resilience and sustainability in the future.

“Our solutions can address our customers’ problems today in order to ensure their resilience and sustainability in the future.”



**How does Dassault Systèmes situate itself in this environment? Will all industries be impacted the same way by the financial crisis?**

We help our customers plan their product production (and recycling) from the idea to realization, starting with product conception. Today's crisis provides a real opportunity for all of us. Creating, adjusting, simplifying, this is what we help our customers do.

Concerning industries such as transportation at large, energy, and others, companies are wondering how they can adapt their product portfolios. It is essential for them to continue to develop new products, and we can help them adapt those products to new market constraints.

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**“We can help our customers adapt their products to new market constraints.”**

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2008 was a period of industry diversification for DS. In addition to our traditional industrial equipment, automotive, aerospace, and shipbuilding sectors, we have achieved successes in industries such as life sciences, high-tech, and consumer packaged goods. Our V6 solution will help us to continue expanding in new sectors.

**Is Dassault Systèmes fit to overcome the crisis and help its customers through it?**

Our ability to provide customers with concrete, tactical answers by relieving their pains will strengthen us. The crisis is an important test for our solutions to demonstrate their full potential. If used well, they will provide practical, efficient, and immediate value to our clients.

**How will Dassault Systèmes assist its customers with adapting to the changing times?**

Over the past few years, we've reinforced our business model and simplified our “go-to-market” to give our partners increased strength. I'm very happy that we completed this process last year, because it positions DS to better overcome today's particular challenges. Although we have made some important changes, we will continue to refine them in order to provide more value to our partners and customers. Our R&D and sales teams are going to concentrate on solving the problems our customers are facing to provide them with immediate, flexible solutions. This gives us an opportunity to deliver critical and strategic help to our clients.

**Given the economic climate, will Dassault Systèmes reduce its investment in R&D?**

DS has always been a company focused on the long term, investing in R&D in order to provide targeted solutions to our clients.

The foundation for us to continue in this direction is strong. We have solid long-term relationships with our clients and partners. This will not change. We have a stable revenue flow with our clients, which is important in these times. We have also developed a strong solutions portfolio that can be implemented immediately to bring value to customers.

DS will continue to invest in R&D in order to share, connect, transmit knowledge, and transform the way industries function with their surrounding communities.

“Online environments will drive our future products and shape our everyday lives and experiences.”

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**How will this evolution impact Dassault Systèmes' future?**

Knowledge sharing is accelerating. It changes the way people work and we can facilitate this. The design process no longer belongs to only engineering specialists. Through crowdsourcing other communities are starting to get involved with design. Companies want to connect with diverse communities, such as research and academia, inside and outside of the traditional enterprise setting.

This exponential growth of communities has already begun, and it's transforming the way products are created and sold. The economic crisis is a catalyst for this transformation, and I'm convinced that communities will continue to evolve and grow considerably in the coming years.

DS believes in 3D as a universal language. Online environments like 3dvia.com will become intersections for companies, customers, virtual focus groups, and various crowdsourcing initiatives that will drive our future products and shape our everyday lives and experiences.



# Eco-design to Face Environmental Challenges

Since it was founded in 1981, DS has placed environmental stewardship at the heart of its value proposition. By replacing physical prototypes with virtual 3D mock-ups and by digitizing the entire lifecycle of products—from initial conceptual design to how products will be recycled—DS solutions help reduce the environmental impact of final products and processes, thereby minimizing their overall carbon footprint. Today, with its new V6 platform, DS is going one step further by achieving closer synergy between all the stakeholders involved in a product's lifecycle.

V6 allows for closer links between eco-designers, eco-manufacturers, and eco-consumers, helping to meet environmental challenges through technology and collaboration.

## LEANER USE OF RAW MATERIALS

Designing products and packaging that minimize the consumption of raw materials while achieving the same levels of functionality and structural resistance is a challenge for many companies today. With CATIA and SIMULIA solutions, designers can test their products in a virtual 3D environment and validate the use of lighter and more environmentally sustainable materials as well as optimize space-use.

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## Optimized Packaging with CATIA

Danish box maker **Clip-Lok International Ltd.** chose CATIA to improve the design of its boxes in order to optimize space-use when products are packed. Clip-Lok customizes each box design and dimensions to match the precise size and shape of its contents, thereby minimizing overall freight volume. Once delivered and unpacked, the boxes are flat packed - normally with up to 80 percent reduction in volume. The boxes are then returned to their point of origin for reuse in other shipments; they are reassembled and re-used. Clip-Lok also uses virtual 3D models of the items to be shipped in order to help plan the use of space in the boxes.





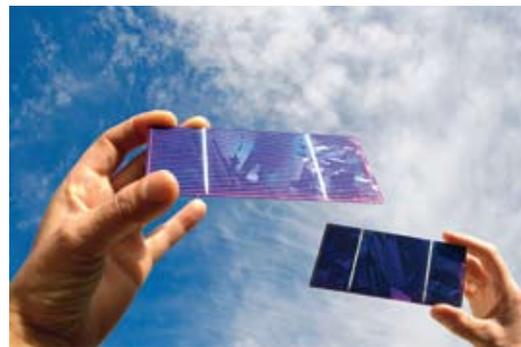
#### IMPROVED ENERGY EFFICIENCY

DS solutions use simulation of complex processes in mechanics, fluid dynamics, thermodynamics, and related fields to support the development of eco-efficient equipment to meet the environmental challenges ahead. Energy consumption of high-tech equipment, for example, can be reduced through systems programming with CATIA Systems Dynamics Behaviors. In the aerospace sector, CATIA Composites is a powerful tool that supports the design of lighter aircraft, thereby reducing fuel consumption. And in the automotive sector, advanced multi-physics simulation functions based on SIMULIA improve the aerodynamic and thermo-mechanical performance of vehicles, again increasing fuel efficiency. Beyond the products themselves, DELMIA Process Planning is used to model the energy consumption of the associated manufacturing processes.

Alongside the development of new products and production processes, the management of renewable energy sources has moved from experimentation to become a legitimate and fast-expanding industry in its own right.

#### Developing Solar Energy with SIMULIA

Compliance with self-imposed reliability and cost-efficiency requirements are keys to maintaining leadership in the sector of renewable energy developments. **Energy Innovations**, a developer of HCPV, High Concentration Photovoltaic solar electric power, is making solar energy a more cost-effective and smart investment with Abaqus Finite Element Analysis solutions.





**Eco-efficient Garbage Collection with SolidWorks**

Massachusetts-based **BigBelly Solar** develops trash compaction systems to reduce the cost and environmental impact of public waste management. To optimize the design of its BigBelly waste

receptacle—the world’s first standalone solar-powered trash compactor—the company used SolidWorks.

This eco-friendly trash container/compactor runs entirely on solar power and can collect up to five times as much trash as a conventional can of the same size.

**TRACEABILITY AND ENVIRONMENTAL COMPLIANCE**

Companies are subject to an array of increasingly stringent environmental regulations—in particular EU directives such as ELV (End-of-life Vehicles), RoHS (Restriction of Hazardous Substances), WEEE (Waste Electrical and Electronic Equipment), REACH (Registration, Evaluation, Authorization and Restriction of Chemicals), and others. With ENOVIA Materials Compliance Central, DS cuts through the complexities of compliance and helps companies to adapt their products to meet new directives in a simple hands-on manner, whether in terms of materials traceability, product recyclability, or dispersion of hazardous materials.

**Facilitating Environmental Compliance with ENOVIA V6**

By leveraging our Service-Oriented Architecture to deploy ENOVIA V6 as a software-as-a-service solution, **TÜV Rheinland Group** partnered with DS to create an integrated environmental compliance portal. The portal reduces costs and time-to-market for TÜV Rheinland customers by evaluating material and environmental regulatory compliance early in the product development cycle with continued compliancy monitoring throughout production.





DS Campus has earned the French HQE (High Quality Environment) label. See page 32.

2008

# Achieving Growth in Revenue, Earnings and Market Share

Thanks to the strong performance through the first nine months and despite the impact of the global economic crisis on our fourth quarter, 2008 was a year of growth and market share gains for Dassault Systèmes.

We made good progress in a number of areas during 2008. From a financial perspective, we finished the full year with growth in revenue and earnings, a high level of recurring software revenue, and a strong balance sheet. From a business perspective, we advanced our diversification by industries, strengthened our three distribution channels in order to better respond to the needs of our customers, and introduced new releases of our products to the market. And from a customer perspective, we continued to be a strategic partner for product development and product innovation with a large number of new clients around the world and with a growing number of industry sectors.

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“We advanced our diversification by industries, strengthened our three distribution channels, and introduced new releases of our products to the market.”

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While we did not entirely meet our financial objectives for 2008, in particular our goal to expand our operating margin, the overall results for 2008 were very positive.

- For 2008 non-IFRS software revenue increased 10% with each of our major brands contributing to the growth in software. Mainstream 3D software revenue was up 11% with our SolidWorks brand; CATIA software revenue increased 10%; strong global demand led to SIMULIA software revenue growth of 20%; and ENOVIA software revenue posted 7% growth, all figures in constant currencies.
- In total non-IFRS software revenue grew 8% in constant currencies and non-IFRS earnings per share increased 6%.
- Non-IFRS total revenue increased 11% in the Americas and 6% in both Europe and Asia, all figures in constant currencies. We also benefited from the expansion of our sales channels into newer geographic markets, primarily Brazil, China, Eastern Europe, India, and Russia.
- Our non-IFRS operating margin was 25.6% for 2008, compared to 26.2% in 2007. While we were in advance to meet the goal of improving our operating margin at the end of the third quarter, the downturn in the macroeconomic environment led, instead, to a slight deterioration in comparison to 2007.
- DS continued to have a strong balance sheet, with a net cash position totaling €640.4 million at December 31, 2008.
- During 2008 DS paid cash dividends and repurchased shares totaling €132.7 million.

“We continued to be a strategic partner for product development and product innovation with a large number of new clients around the world and with a growing number of industry sectors.”



## 2009 – Managing in a Difficult Environment

2009 will be a difficult global economic environment in which to operate. The economic crisis is acute and affecting many of our customers in the industry sectors in which we have had a long-standing presence. At the same time, we believe DS is better positioned than ever to face and address these challenges.

We enter 2009 with an expanded addressable market, strengthened sales channels, and a richer product portfolio to serve our customers.

PLM is an important software market as the need for sustainable product development has become a strategic priority for companies. In size, the PLM software market was about 10 billion US dollars for 2008 according to industry market analysts and our estimate. In scope, it now touches many industries as companies recognize the critical value of PLM to sustainable product development.

DS now has a 26% share of the PLM software market, with the closest competitor a little more than half this size. We estimate that during 2008 we gained about one point of share to our leadership of the PLM software market and we think that our market share growth will be higher in 2009.

Our sales channels have increased sales capacity and geographic coverage enabling us to move forward with our industry diversification strategy. Customers in newer industries, including consumer packaged and consumer goods, energy, construction, high-tech, and business services, represented 15% of our revenue for 2008 and we expect will be key contributors to our new business activity during 2009.

Looking at our product portfolio, we cover more processes that are critical to customers across the different industries we serve. Launched in 2008, our Version 6 PLM is a significant software innovation to simplify collaboration, lower cost of ownership, and bring additional flexibility and value. In Mainstream 3D we have developed a broader portfolio delivering higher performance and increased ease of use.

Finally, just like our customers, we at Dassault Systèmes are focused on innovation and operational excellence. Our goals are to ensure that we exit this recession with improved operational efficiency across the entire company and the bandwidth to fully benefit from better market conditions.

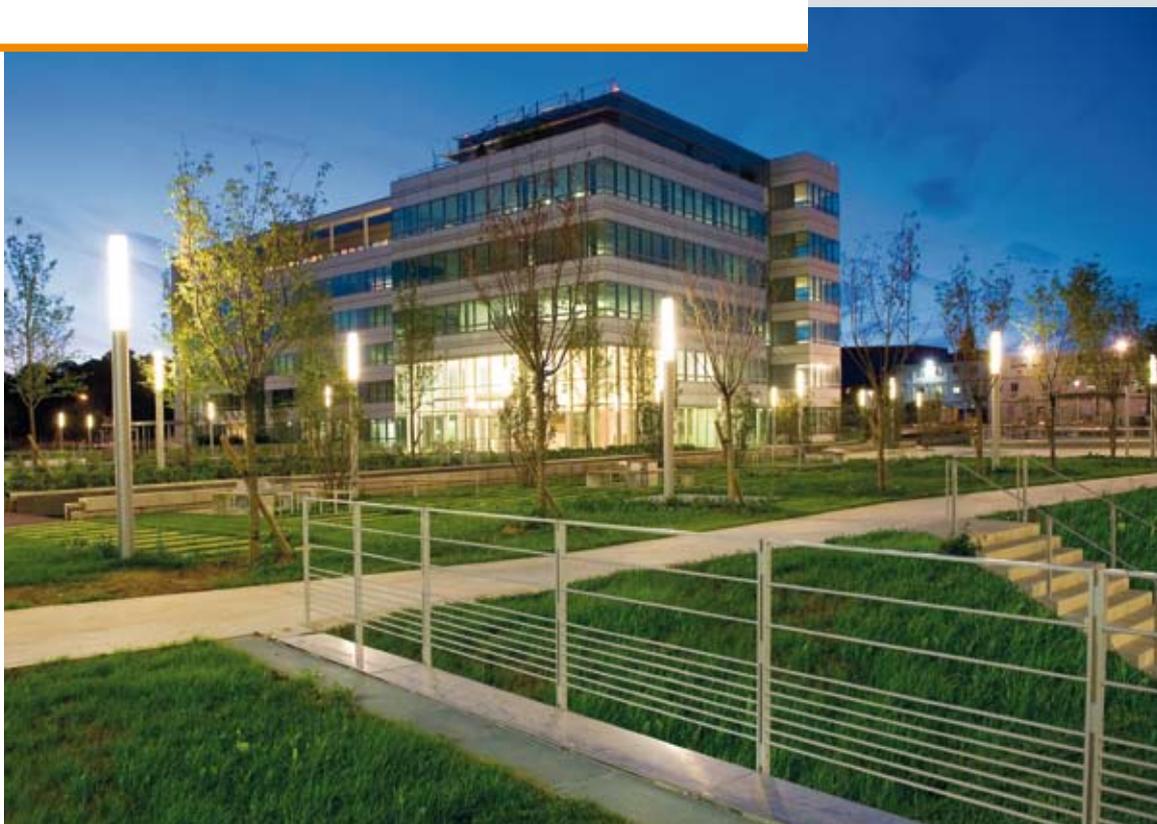


**Bernard Charlès**  
President and Chief Executive Officer



**Charles Edelstenne**  
Chairman of the Board of Directors

“We enter 2009 with an expanded addressable market, strengthened sales channels, and a richer product portfolio to serve our customers.”



# Management

Global Executive Management is Dassault Systèmes' executive forum, bringing together the Executive Committee and the Chief Executive Officers of each of the Group's business lines every five weeks.

## Executive Committee

1. **Bernard Charlès** President & Chief Executive Officer
2. **Dominique Florack** Senior Executive Vice President, Products - Research & Development
3. **Thibault de Tersant** Senior Executive Vice President & Chief Financial Officer
4. **Laurence Dors** Senior Executive Vice President, Global Development & Resources
5. **Bruno Latchague** Executive Vice President, PLM Enterprise Business Transformation
6. **Étienne Droit** Executive Vice President, PLM Value Selling
7. **Pascal Daloz** Executive Vice President, Strategy & Marketing
8. **Philippe Forestier** Executive Vice President, Global Affairs & Communities
9. **Laurence Barthès** Chief Information Officer



### Directors

**Charles Edelstenne** Chairman of the Board of Directors of Dassault Systèmes

**Bernard Charlès** President & Chief Executive Officer of Dassault Systèmes

**Thibault de Tersant** Senior Executive Vice President & Chief Financial Officer of Dassault Systèmes

**Laurent Dassault** Manager of Dassault Investissements

**Paul Brown, Jean-Pierre Chahid-Nourai, Bernard Dufau, André Kudelski, Arnoud De Meyer** Independent Directors

### Brand CEOs



**Jacques Leveillé-Nizerolle** CATIA



**Jeff Ray** SolidWorks



**Lynne Wilson** 3DVIA



**Michel Tellier** ENOVIA



**Philippe Charlès** DELMIA



**Scott Berkey** SIMULIA



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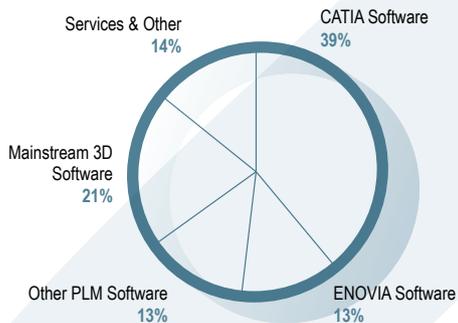
# Dassault Systèmes at a Glance<sup>(1)</sup>

## Our Six Brands

<b>SolidWorks</b>	Mechanical design in 3D
<b>CATIA</b>	Integrated product design
<b>SIMULIA</b>	Realistic simulation
<b>DELMIA</b>	Digital manufacturing & production
<b>ENOVIA</b>	Global collaborative innovation
<b>3DVIA</b>	3D lifelike experiences

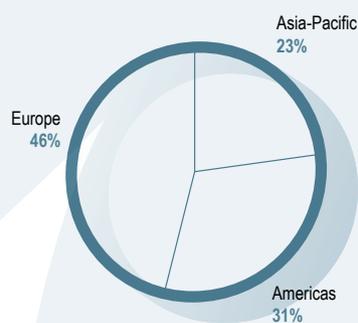
### A Diversified Portfolio

Revenue by Product Line

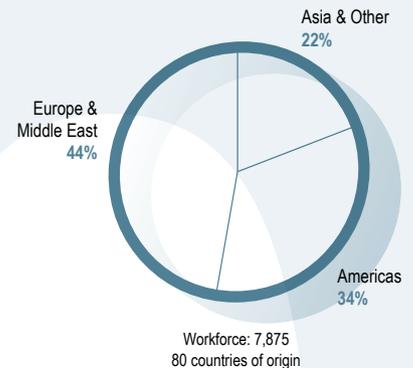


### A Diversified Reach

Revenue by Geographic Region



### A Diversified Group



### SUMMARY BALANCE SHEET HIGHLIGHTS

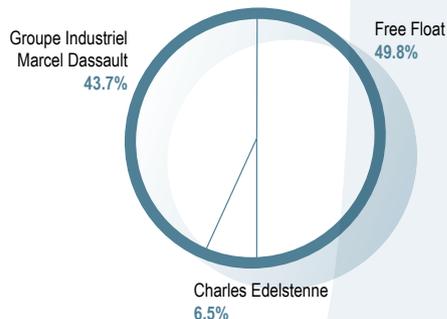
(in millions of euro)	2007	2008
Cash, cash equivalents and short-term investments	627	840
Accounts receivable, net	320	329
Other assets	912	973
<b>Total assets</b>	<b>1,859</b>	<b>2,142</b>
Unearned revenue	208	251
Long-term financial debt	200	200
Other liabilities	334	388
Parent shareholders' equity	1,117	1,303
<b>Total equity and liabilities</b>	<b>1,859</b>	<b>2,142</b>

### SUMMARY CASHFLOW HIGHLIGHTS

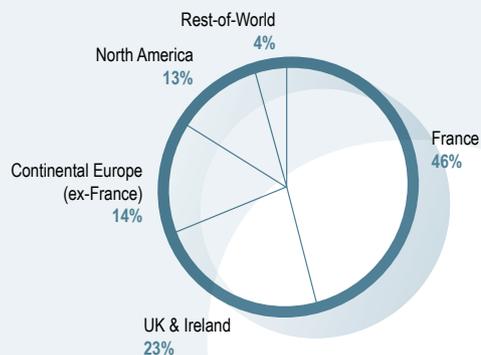
(in millions of euro)	2007	2008
Net Cash provided by operating activities	311	309
Net Cash (used in) investing activities	(87)	(63)
Net Cash (used in) financing activities	(4)	(75)

## Dassault Systèmes and its Shareholders

### Shareholders' Composition (as of December 31, 2008)



### Split of Free Float (Identified Institutional Investors as of December 31, 2008)



### STOCK DATA

Listed on Euronext Paris and traded on the U.S. Over-the-Counter Market

Share price at December 31, 2008 **€32.33**

Stock market capitalization at December 31, 2008 **€3.8 billion**

Stock price performance comparison:

DS	-20%
CAC 40	-42%
Euronext 100	-45%

Number of outstanding shares at December 31, 2008 **118.9 million**

Average daily volume traded on Euronext **510,646**

### KEY 2009 SHAREHOLDERS' EVENTS

Thursday, April 30, 2009  
**Release of First Quarter Earnings**

Tuesday, June 9, 2009  
**Annual Shareholders' Meeting**

Thursday, July 30, 2009  
**Release of Second Quarter Earnings**

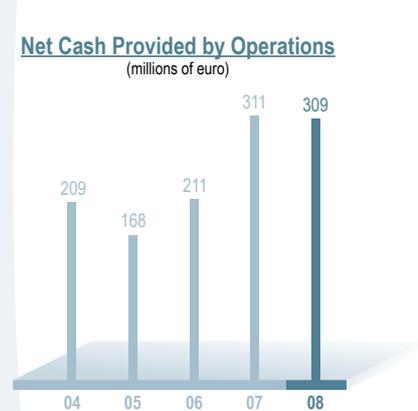
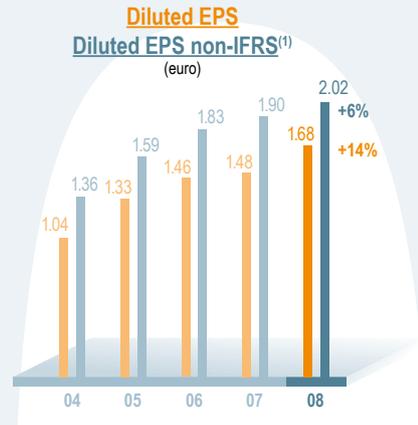
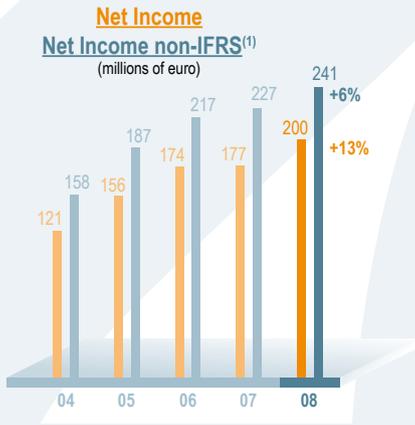
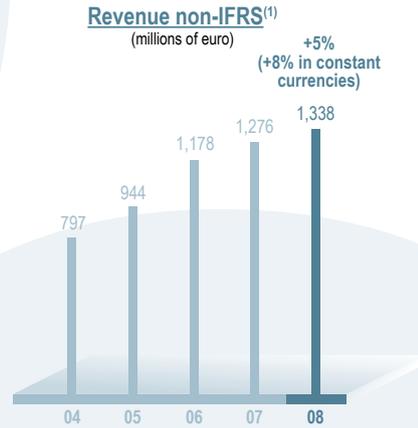
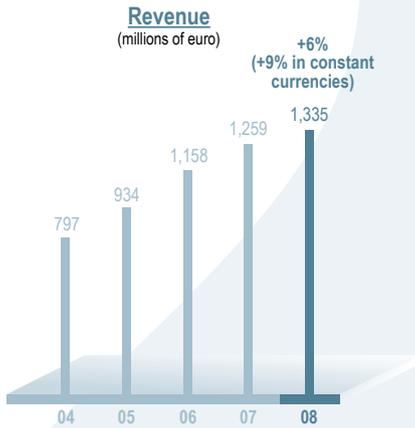
Thursday, October 29, 2009  
**Release of Third Quarter Earnings**

**Shareholders' Contact**  
Tel.: 33 (0) 1 61 62 69 24/Fax: 33 (0) 1 70 73 43 59  
Email: [investors@3ds.com](mailto:investors@3ds.com)  
Information for Investors:  
<http://www.3ds.com/company/finance>

(1) All financial information is reported according to IFRS. In addition, the company has provided non-IFRS financial information excluding the effect of adjusting the carrying value of acquired companies' deferred revenue, amortization of acquired intangibles, other expense, net and stock-based compensation expense, as applicable.

# Reporting Growth in Revenue, Earnings and Market Share

We delivered growth in revenue and earnings and generated strong cashflow in 2008 despite the economic downturn that began to have a meaningful impact on our results in the final quarter of the year. In addition, we continue to lead the PLM market and gained one additional point of market share. While we made solid progress during 2008, we were, nonetheless, disappointed that we did not attain all of our financial objectives, in particular for operating margin expansion, as we had been well on track through the first nine months to achieve them.



**Non-IFRS software revenue increased 10% in constant currencies in 2008**, underlining the benefits of our focus on diversifying revenue by product application, geographic region and industry vertical. Our major brands demonstrated their strong value proposition, with both long-standing customers as well as customers in newer verticals and geographic markets.

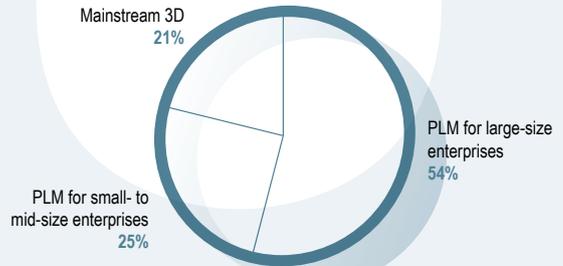
**2008 GROWTH IN CONSTANT CURRENCIES**

REGION	2008 GROWTH IN CONSTANT CURRENCIES		PRODUCT LINE	2008 GROWTH IN CONSTANT CURRENCIES	
	IFRS	Non-IFRS <sup>(1)</sup>		IFRS	Non-IFRS <sup>(1)</sup>
Europe	8%	6%	CATIA Software	12%	10%
Americas	12%	11%	ENOVIA Software	10%	7%
Asia-Pacific	7%	6%	Other PLM Software	10%	12%
			Mainstream 3D Software	13%	11%
			Total Software	11%	10%

During 2008 we completed major changes to our distribution network and now have three strong channels with enhanced coverage of our markets, customers and industries served.

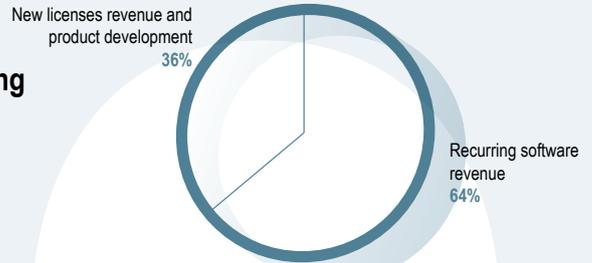
**Our Channels in 2008**

(% of total revenue)

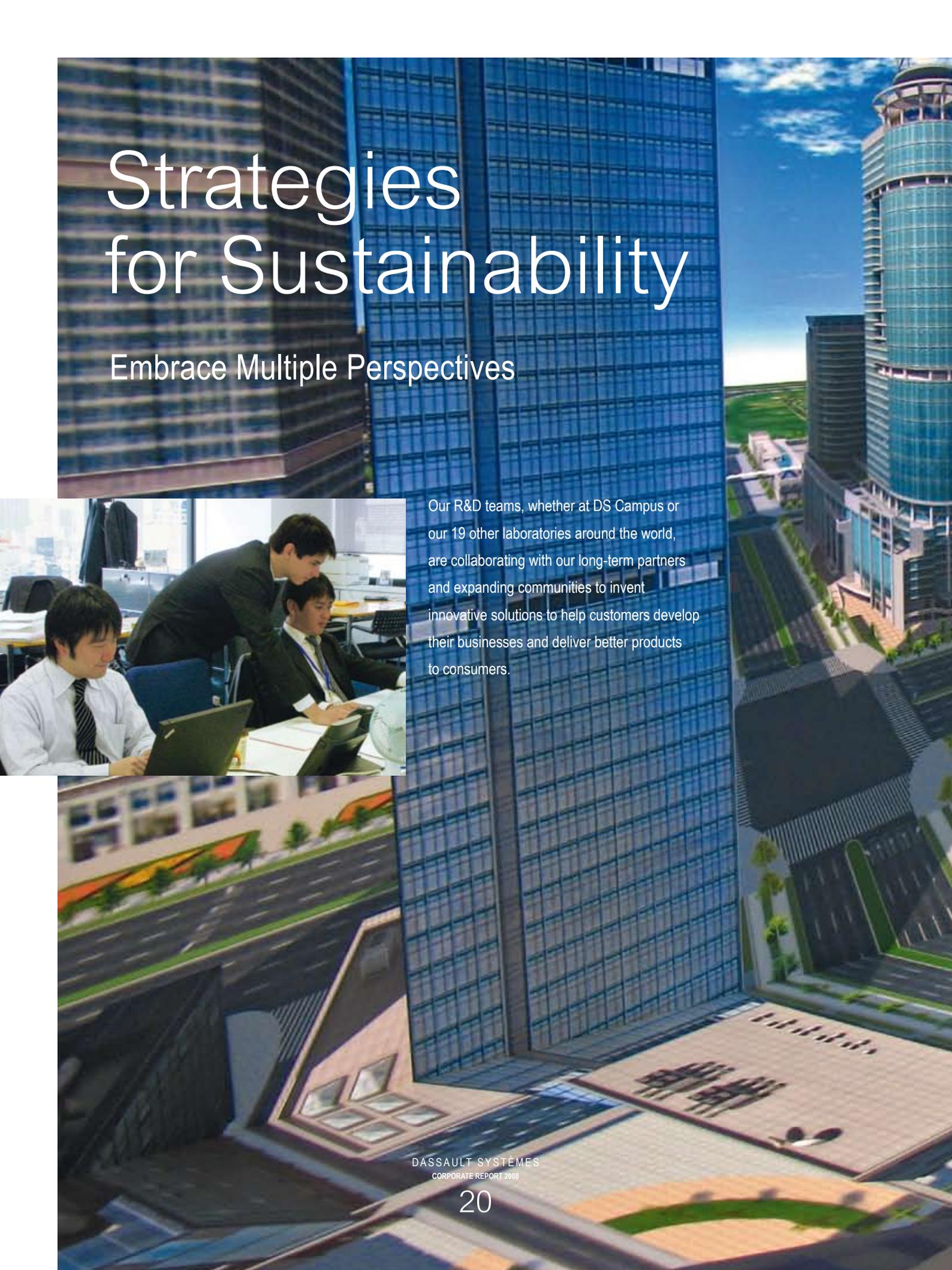


We continue to emphasize and benefit from our long-standing financial model with a high level of recurring software revenue. Recurring software revenue represented 64% of total software revenue in 2008.

**Total Software Revenue**



(1) All financial information is reported according to IFRS. In addition, the company has provided non-IFRS financial information excluding the effect of adjusting the carrying value of acquired companies' deferred revenue, amortization of acquired intangibles, other expense, net and stock-based compensation expense, as applicable.



# Strategies for Sustainability

## Embrace Multiple Perspectives



Our R&D teams, whether at DS Campus or our 19 other laboratories around the world, are collaborating with our long-term partners and expanding communities to invent innovative solutions to help customers develop their businesses and deliver better products to consumers.





## An Interview with Dominique Florack

SENIOR EXECUTIVE VICE PRESIDENT, PRODUCTS – R&D

### What were DS's main R&D deliverables in 2008?

DS achieved a major breakthrough in 2008 with the delivery of important enhancements to our existing product lines, and the launch of our convergence V6 platform and solutions. V6 can be used as a standalone online solution or as a new competitive advantage on top of traditional PLM solutions. PLM 2.0 offers industry what Web 2.0 offers the general public: a fully-participatory Web where users collaborate online to generate intellectual property (IP).

As part of PLM 2.0, V6 addresses two new communities of users, both critical for all companies but not previously addressed in any PLM 1.0 solutions: all people who need to collaborate around IP; and people who need to use IP through lifelike experience.

“V6 can be used as a standalone online solution or as a new competitive advantage on top of traditional PLM solutions.”



# The V6 Platform

**Can you explain the value proposition of DS for communities collaborating around IP?**

DS offers these communities a suite of services based on ENOVIA technology named V6 IPLM. It is the backbone for collaborative innovation across the extended enterprise and provides solutions in four different domains:

- V6 IPLM unified live collaboration provides the means to search, navigate, and collaborate using all relevant IP within the company, no matter where the information resides within the extended enterprise. It also facilitates accessing, federating, and analyzing all data from all kinds of data sources.
- V6 IPLM governance provides innovative solutions for integrated portfolio management, configuration management, compliancy management, and business intelligence.
- V6 IPLM global sourcing helps to manage the strategic sourcing of IP from global suppliers throughout the product development, manufacturing, and operation cycles.
- V6 IPLM lifecycle management provides the complete set of capabilities required to manage data throughout their life, from in-work data to release data sets.

**Please elaborate on the value proposition for communities that need to use IP efficiently.**

We believe that our customers' future competitiveness will come from their ability to interact closely with their own customers. PLM 2.0 focuses on helping companies to share regularly with their customers lifelike experiences of their future products using 3D universes, and to get feedback. The 3dvia.com Web site and technologies are the best illustration of DS's direction in terms of establishing online social networks and lifelike experiences. 3DVIA technologies have been downloaded more than 50 million times.

# Our R&D Community

“Passion for Innovation” is the unique DNA that drives our research and development activities.

Relying on a worldwide global, lean, and efficient “**software factory**”, with nearly 3,500 highly-skilled research scientists, our R&D team is one of the world’s best brainforces, constantly inventing and shaping solutions of the future for our customers as well as their own customers.

With a network of 20 laboratories, all **managed and operated globally**, and a wide ecosystem of tightly connected partners (software partners, public and private research labs, universities, standards organizations), DS is forging a new worldwide technical and scientific community, constantly acquiring new knowledge, learning new domains, and cross-fertilizing sectors in order to effectively deliver the world’s best and most unique **technologies** serving diverse industries and bringing unique value to people. Constantly reinventing ourselves, and mixing and mashing up new approaches and know-how, DS R&D is a first-of-a-kind collaborative place where the virtual world helps give birth to ideas, concepts, and yet unseen experiences.

DS offers unique journeys for new generations. With the most diversified and advanced technical and scientific challenges in the industry, ranging from extremely complex industrial systems designs and simulations to scientifically accurate lifelike virtual creations and experiences, DS **attracts** today’s and tomorrow’s best engineers and researchers and opens new career paths for them.

We are committed to inventing tomorrow, and enabling sustainable new ways for people to learn, discover, innovate, and collaborate through the power of virtual worlds. Our only limitation is our imagination...





# Distribution Channels

In today's difficult economic climate, companies need to make rapid changes to their business. In 2008, we finalized our go-to-market model, providing customers and prospects of all sizes in all industries around the world with a vast network of local account managers to assist them with their DS solutions and services needs in the short and long term.

We partner closely with our customers to offer them personalized service and access to our growing ecosystem of partners. In 2009, we will further refine our model, assigning customers a single channel contact. More than 700 value-added resellers (VARs) make up the **PLM Value Selling Channel** for small- to mid-size businesses and the **DS Professional Channel** for smaller companies interested in easy-to-use 3D solutions. Our network of PLM Value Selling VARs will soon sell the entire DS portfolio. The **DS PLM Business Transformation Channel** serves medium to large companies in liaison with IBM, our long-term partner.

Because customers are increasingly requesting a comprehensive suite of solutions, we are constantly adapting our products to market needs. For example, in the PLM Value Selling market, a catalogue of precise initiatives encompassing end-to-end multi-brand solutions is being widely deployed under the responsibility of dedicated Initiatives Community Leaders. And our **Accelerators** are addressing niche concerns across sectors such as life sciences and apparel to enable new sectors to benefit from the added value of PLM and 3D lifelike experience. No matter the channel, our experienced account managers are highly-trained and increasingly specialized by industry.

## PLM MARKETPLACE

**PLM MarketPlace** is an online business community connecting customers with more than 74 VARs in 33 countries and referencing 25 partners with more than 130 of their advanced offerings. Free online access to the product catalogue lets end-users easily identify the specific solution offered by DS partners that meets their industrial process requirement. Apart from this business community, the Web site acts as a social community to help customers, users, resellers, and partners connect with their peers. In this group, they can share experiences and best practices about DS solutions coupled with certified solutions referenced on PLM MarketPlace.

Visit [www.plmmarketplace.com](http://www.plmmarketplace.com)





# From Ecosystem to Communities

## RESEARCH & DEVELOPMENT

DS works closely with more than 3,500 long-term, diverse, and select partners to provide all of our customers and their customers with answers to their business concerns. PLM 2.0 on the V6 platform allows our dynamic partners to reach new markets and establish physical and virtual communities with common interests, enabling customers to create, share, and experience in the 3D world.

The annual **DEVCON** conference is the place for the DS community of software, technology, and services partners, customers, and DS professionals to interact, sharing recent developments in R&D, strategy, and technology. The 2008 edition also gathered gamers and artists, contributing more emotional 3D perspectives such as the impressive and fun presentation made by EA Games. New paths to the future are forged by exploring the synergy between recreational games and industrial solutions, understanding Web 2.0 fundamentals and leveraging them for PLM 2.0, and learning how 3D can contribute to science. DEVCON reaches a larger 3D community than ever thanks to a Facebook group linking people online.



At the **Partner Summit**, partners are able to strategize on business development, marketing, and cross-selling. When not meeting in-person, customers, users, resellers, and partners can connect with their peers virtually on [www.plmmarketplace.com](http://www.plmmarketplace.com), also associated with a LinkedIn group, online social networks where they can exchange best practices.

These active communities are sustained by programs that support the DS ecosystem. Our growing community of **software partners** is comprised of more than 6,500 developers from over 165 editors. They have delivered nearly 500 products in V5 R19 with all of our brands. Their industry-focused offers accelerate and secure PLM deployments in defined business processes.

To expand and accelerate the transformation of the 3D world, our strong network of **technology partnerships** consists of leading technology companies around the globe such as Dell, with a community of start-ups like SoftKinetic. Providing our customers with products and services that ensure compatibility between the IT infrastructure and DS offerings, they are key contributors to accessing the virtual world experience with PLM 2.0.

In order for customers to benefit from innovative business processes, our **industry solutions partnerships** are formed by strategic alliances with leading IT systems integrators, service providers, and consulting firms such as Sogeti High Tech. The primary goals of this program are to take advantage of the PLM expertise of industry leaders by expanding and enhancing the solutions available to current customers, and to offer these solutions to new markets and prospects.

In July 2008, DS won the **2008 Microsoft Partner of the Year Award** for Global ISV (Independent Software Vendor) Technology Innovation Partner of the Year Special Recognition Award. DS was chosen out of an international field of more than 2,000 top Microsoft Partners as delivering market-leading customer solutions built on Microsoft technology.

## EDUCATION

From secondary to continuing education, our academic and education partners demonstrate DS's commitment to the value of providing solutions to facilitate lifelong learning in engineering. Web sites, partnerships, certification examinations, and curricula enhance learning for all ages. For example, more than one million students worldwide graduate with SolidWorks training annually.

**Course en Cours** is an innovative partnership between schools, universities, and industry for teens from diverse social backgrounds in France. Multidisciplinary project teams design and manufacture miniature cars. More than 230 educators were trained on CATIA since the program's inception. Its 2008 growth was phenomenal, with 6,000 students on 860 teams from 180 secondary schools.

An international partnership with the French Ministry of Education and local education institutions, **PLM Competency Centers** are located in India and Brazil. The newest center at the Universidad Autonoma de Nuevo Leon was inaugurated in May 2008 by Mexican President Felipe Calderon. Visit [www.plmcc.fr](http://www.plmcc.fr)

In May 2008, DS inaugurated a global **virtual campus** for students, educators, and employers interested in education. This multi-lingual community Web site is designed to inspire through forums, tutorials, project showcases, curricula, and downloadable software, helping visitors develop the knowledge required in today's dynamic workplace environments. Visit [www.campus.3ds.com](http://www.campus.3ds.com)

In May 2008, DS hosted the founding meeting of the **Global Engineering Deans Council**, an association initiated by leaders of prestigious engineering schools worldwide. Their inaugural statement, the "Paris Declaration", recognizes educational challenges determined by food supply, clean water, accessible healthcare, security, cleaner energy and environment, changing demographics, quality of life, climate change, and sustainable development.



## INNOVATOR/CONSUMER

To leverage our IP and that of our partners, DS provides online tools to facilitate the growth of communities, thus accelerating collaborative innovation.

**3dvia.com** is one of the fastest-growing online communities for 3D enthusiasts, professionals and consumers. It creates an invaluable resource for 3D content creators to publish their content online and connect with other users in the 3DVIA ecosystem. Over 80,000 users have registered with 3dvia.com since its relaunch in March 2008 with more registering every day.

Visit [www.3dvia.com](http://www.3dvia.com)

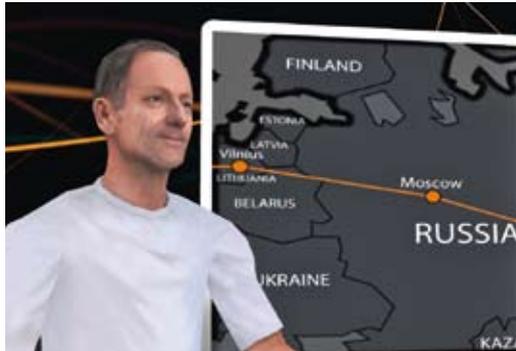
With more than one million downloads via Microsoft Virtual Earth, **3DVIA Shape** is a simple yet powerful application that lets people shape, publish, and share real-world 3D objects and environments.

Launched in November 2008, **3D Perspectives**, the corporate blog of DS, is the place to exchange new ideas about the latest technology topics. Everyone, no matter their relationship and interest in 3D and product innovation, is invited to blog. Visit <http://perspectives.3ds.com>



**3DCollage** is a Facebook application developed using 3DVIA technology that allows the Facebook community to combine or “mashup” their pictures with the 3D models published to the 3DVIA warehouse. Users can share interior design concepts, artwork, or whatever they imagine.





Our **Passion for Innovation** sponsorship program encourages innovative applications of our solutions. For example, in 2007 French architect Jean-Pierre Houdin used DS 3D tools to confirm his revolutionary scientific theory explaining how the Great Pyramid in Egypt was constructed. Visit [www.3ds.com/khufu](http://www.3ds.com/khufu)

As part of this program, DS created a new genre of sports experiences incorporating 3D sports applications for the general public, a charity partnership with Sports Without Borders, and a cutting-edge study of the human foot. Beginning his run on March 7, 2008 as part of the **Virtual Plus Reality Challenge**, Philippe Fuchs, a virtual reality researcher by profession, arrived in Beijing on August 14, 2008 at the Olympic Stadium after having run 8,300 kilometers. Wearing out 10 pairs of running shoes travelling across two continents and seven countries in 161 days, Philippe achieved his goal: to run an ultra



marathon from Paris to Beijing for the benefit of science and charity. Thanks to TVnima, a DS real-time 3D broadcasting technology, Internet users were able to witness the adventure's events as they unfolded via multimedia journals animated by Philippe's 3D avatar. Visit [www.3ds.com/VplusR](http://www.3ds.com/VplusR)

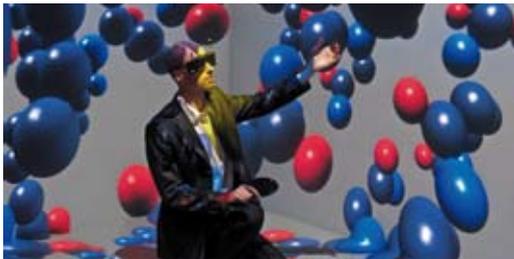
Visit [www.3ds.com/communities](http://www.3ds.com/communities) for more information on our ecosystem

# Our Global Headquarters

After only 20 months of construction, “Dassault Systèmes Campus” opened its doors in November 2008. Located in Vélizy-Villacoublay, a southwest suburb of Paris, it unites more than 2,000 DS employees formerly disbursed throughout the Paris region and is a concrete expression of our vision: 3D opens the door to the world we imagine.

## Commitment

The Campus architecture and infrastructure symbolize our long-term commitment and our goal of leaving next generations a better place to learn and grow. The openness of the buildings provides ease of collaboration and innovation.



## The Lifelike Immersive Virtual Experience Space

LIVES is a demo center equipped with state-of-the-art virtual reality technologies. A multi-sided screen (5-meter-long front screen, side, ground) puts visitors at the heart of 3D products moving freely in the virtual environment and interacting in real time as if in the real world.

## Performance

Because DS is committed to minimizing its corporate environmental footprint, DS Campus has been designed and constructed in harmony with the environment. It obtained *NF Bâtiments Tertiaires* HQE quality standard certification, based on the highest level of eco-construction and eco-management available in France.

Setting the benchmark in environmental performance, DS Campus's four buildings, with 57,000 square meters of office space, consume three times less electricity and emit six times less CO<sub>2</sub> than the average office block despite a high level of computer usage.

## Open to All

DS is providing new technologies for employees, partners, clients, students, and guests to interact and collaborate:

- Wi-Fi access Campus-wide, including outdoors
- More than 265 formal and informal meeting rooms
- Forum spaces on each floor for employees to meet and relax
- 300-seat amphitheater
- Telepresence, a combination of high-quality audio and videoconferencing that produces an “immersive experience”, creating the illusion of being in the same room with someone at another location across the world such as our Lowell, U.S. or Tokyo, Japan sites
- Special systems to facilitate access for hearing- and sight-impaired persons



## CAMPUS LIFE

To make Campus life more enjoyable, in addition to multiple catering choices, employees have access to concierge and vehicle repair services, a fitness center, and DS bikes to explore the adjacent Meudon Forest.



# Solutions for Sustainability

Foster Innovation



DS solutions help companies of all sizes around the world to innovate. Clients in more and more diverse industry segments are exceeding the needs of their customers thanks to our solutions. Our six powerful brands, SolidWorks, CATIA, SIMULIA, DELMIA, ENOVIA, and 3DVIA, work together to serve all types of expanding communities, from researchers to innovators/consumers, businesses, and education.





## An Interview with Pascal Daloz

EXECUTIVE VICE PRESIDENT, STRATEGY & MARKETING

### How does DS help customers achieve their business objectives?

By providing innovative solutions that accurately address their real-world operational issues. We do this by combining our extensive domain knowledge with a thorough understanding of the industrial processes involved.

In today's unstable economic and social environment, we deliver value at two levels. First, we optimize customers' end-to-end industrial processes in order to derive maximum value; and second, we help them transform their business model for maximum ROI but also maximum ROP: "Return on the Planet"!

“Coupled with DS’s deep 3D expertise, V6 unleashes unlimited possibilities.”

# Industry Focus



**DS is a leading PLM supplier to the aerospace and automotive industries. But how is this useful for other industries?**

The aerospace industry faces particularly complex challenges and exacting quality requirements. Fortunately, long development cycles mean that there is scope to research and find the best solutions. Our achievements for aerospace customers, spanning complex program management, systems engineering, designed-in maintenance and experience-driven design, can today be applied (in part at least) to such sectors as automotive, consumer electronics, energy, and others.

These innovations led market leaders such as Gucci, Nikon, and P&G to adopt DS solutions.

**What improvements does the V6 platform bring?**

Above all, V6 offers unparalleled continuous collaboration, allowing geographically dispersed internal or external teams to connect and coordinate all the projects, processes, and co-workers engaged on a development program for every conceivable type of end-product.

The added value lies in enabling everyone involved to share the same view of the product in real time at every stage in its development. With V6, companies harness all their collective intelligence and experience. In a nutshell, everyone speaks the same language! The platform helps them take maximum advantage of their past, present, and future intellectual property, driving performance and, ultimately, progress. Stakeholders can engage via the collaborative platform regardless of when or where they are connected. Coupled with DS’s deep 3D expertise, V6 unleashes unlimited possibilities.

**Where will DS be three years from now?**

Our goal today is to capture and propagate the design excellence fostered with our partners and top-tier manufacturing customers into business transformation at all levels in all walks of industry, including in the life sciences area.

## Efficiency in the Sky

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### COMPANY PROFILE

Piaggio Aero Industries of Genoa, Italy is one of the world's oldest aircraft manufacturers. Its core activities include aircraft design and manufacturing, aero engine and aero structure parts manufacturing, and aircraft and engine maintenance. Piaggio Aero's flagship aircraft is the P180 Avanti II, a twin-engine, turboprop executive aircraft often referred to as the "Ferrari of the Sky" because of its distinctive styling and industry leading speed, headroom, and fuel-economy.

### CHALLENGE

Piaggio Aero wanted to transform from a low-volume, niche manufacturer into a best-in-class, global player in the aerospace industry.

### SOLUTIONS

Piaggio Aero chose the DS V6 PLM platform to support product and process development, communication and data sharing, and decision-making across the product lifecycle of its aircraft.

### BENEFITS

- Enables Piaggio Aero engineers to collaborate in realtime with risk-sharing teams around world through a Web connection
- Provides a unified, federated view of the company's intellectual property throughout the product lifecycle
- Allows the company to manage all of its product-related data and knowledge in one place

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**"We selected V6 PLM in order to create a safe, fast, and powerful collaborative base for an efficient, global, risk-sharing supply chain."**

ANTONIO MAGLIONE, CHIEF TECHNOLOGY OFFICER

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PIAGGIO  
AERO *P*

DASSAULT SYSTÈMES  
CORPORATE REPORT 2008

## Picture This

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### COMPANY PROFILE

Nikon Corporation of Tokyo, Japan pursues three core businesses: Imaging Products, Precision Equipment, and Instruments. Building on its well-established brand for cameras and NIKKOR camera lenses, Nikon won the top domestic share in the fast-growing digital single-lens reflex camera market in 2007 (Source: BCN Award 2008).

### CHALLENGE

Nikon wanted to translate designers' creative ideas into designs accurately and use iterative design cycles to identify issues early and reduce design time.

### SOLUTIONS

The Industrial Design Department, Imaging Company selected CATIA to support its 3D design process.

### BENEFITS

- Cut design lead time by two-thirds
- Improves communication and collaboration by using 3D data as a shared language across disciplines from concept to downstream mold tooling
- Accelerates the iterative design process and fosters product design creativity and innovation
- Speeds concept validation and accuracy

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“Since an ever-increasing amount of information is required to create an industrial design, it is essential that we be able to assess all necessary functions and promptly examine them. Because CATIA allows us to make modifications quickly, we are able to check the image immediately.”

AKIRA NOJIMA, EXECUTIVE STAFF,  
INDUSTRIAL DESIGN DEPARTMENT, IMAGING COMPANY

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# Luxury Label

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## COMPANY PROFILE

One of the world's leading multi-brand luxury goods companies, Gucci Group produces and distributes high-quality luxury goods including ready-to-wear, leather goods and silk products, shoes, watches, cosmetics, eyewear, and jewelry.

## CHALLENGE

With strict deadlines, Gucci needed to reduce costs by improving control over budgets and by eliminating inefficient tasks; and to reduce time-to-market by improving the flow of information at all levels of the product development process.

## SOLUTIONS

Gucci uses ENOVIA to streamline the product development process from end to end (garments and leather goods design to merchandising), with all of the actors collaborating in a structured electronic loop. The company leverages the maturity of the solution to speed user adoption. The solution's flexibility and configurability fits Gucci's specific process and enables rapid replication across all the Group's brand entities.

## BENEFITS

- Improves information system, organization, and processes by standardizing the overall process of product development from design to merchandising
- Shortens lead time with better control of the planning/calendar of each season's collection
- Faster implementation by leveraging apparel industry specific out-of-the-box functionality

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“We are very satisfied with the solution provided by DS. We built a system that is providing a real value added to the Gucci business.”

GIANNI LEONE, CHIEF INFORMATION OFFICER

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GUCCI  
GROUP

DASSAULT SYSTÈMES  
CORPORATE REPORT 2008

## We're Better Together

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### COMPANY PROFILE

Beckman Coulter is a leading manufacturer of biomedical testing instrument systems and supplies that simplify and automate laboratory processes. Spanning the biomedical testing continuum, Beckman Coulter's 200,000 installed systems provide essential information to improve patient health and reduce the cost of care.

### CHALLENGE

Beckman Coulter wanted to improve product development collaboration across multiple design and manufacturing sites, accelerate product launches, simplify and integrate systems, and drive operating excellence.

### SOLUTIONS

DS PLM, including SolidWorks, ENOVIA and 3DVIA, gives Beckman Coulter full control and management over its product and development information. DS PLM helps Beckman Coulter create a collaborative environment where the focus is on product and design, even as regulatory compliance requirements are inherently satisfied. Beckman Coulter also is an early adopter of V6, the new Dassault Systèmes platform for lifelike experience.

### BENEFITS

- Ensures all development sites have the latest information and provides emergency data backup
- Eliminates sequential processes to speed new designs to market
- Reduced documentation change order time by 85%
- Reduced data search and compilation times by 99%

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“With their comprehensive and integrated solution, Dassault Systèmes enables us to optimize our operations for accelerated growth.”

LORA KERR, DIRECTOR OF BUSINESS PROCESS

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## Hydroelectric Powerhouse

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### COMPANY PROFILE

Hydro-Québec of Canada is an integrated electrical company that generates, transports, and distributes almost all the electricity consumed in Quebec. Over 96% of the power it generates is hydroelectric, making it one of the largest renewable-energy producers in North America. Hydro-Québec continually focuses on energy efficiency, complementary development of hydroelectricity and wind power, and technological innovation.

### CHALLENGE

Hydro-Québec needed to perform a refurbishing feasibility study on its Manic-3 generating station and evaluate the cost and time it would take to perform the project.

### SOLUTIONS

Hydro-Québec had already implemented CATIA and ENOVIA to enhance collaboration, shorten design time, and manage and search data. For Manic-3, the company used CATIA and DELMIA to virtually represent the plant and equipment, and to simulate the dismantling, moving, and reassembly of equipment inside the plant.

### BENEFITS

- Reduced project time by 200 weeks
- Saved CAN\$50M performing virtual simulations

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Each piece of equipment is a complex assembly of different parts that can weigh up to hundreds of tons. Thanks to DELMIA, engineers were able to simulate each movement with a precision of a couple of centimeters, which is exceptional for equipment of this size.

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# Managing the Process of Innovation

## COMPANY PROFILE

As the world's largest consumer packaged goods company, Procter & Gamble Company (P&G) of Ohio, U.S. sells most of its products for less than \$10 each to more than 3.5 billion consumers.

## CHALLENGE

Due to global and brand complexity, P&G needed to identify innovative ways to manage new product development. As a specific example, P&G sought to reduce costs of compounds, containers, fragrances, and other materials; and to increase efficiency in handling 1.2 million technical specifications for P&G brands globally.

## SOLUTIONS

P&G will use a common backbone built on Dassault Systèmes' V6 technology to better manage product, packaging and process information. The company has already leveraged the ENOVIA solution to develop a centralized Corporate Standards System (CSS) providing 16,000 users desktop access to role-customized specification information. To lower cost in evaluating product performance, they use SIMULIA's realistic simulation solutions. They also plan to use SIMULIA's simulation lifecycle management solution for managing key simulation tools, processes, and data to accelerate innovation.

## BENEFITS

- Increased operational efficiency and reduced time-to-market
- Accelerated innovation by providing access to simulation tools and validated processes
- CSS program generated \$250 million in purchasing savings and enabled a 50% time reduction in qualifying suppliers and handling bids

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“PLM enables us to save both time and cost from the bottom line, making P&G a more productive organization and strengthening our innovation capabilities.”

MICHAEL TELLJOHANN, PLM DIRECTOR

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**P&G**

DASSAULT SYSTÈMES  
CORPORATE REPORT 2008

# World-leading Buildings

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## COMPANY PROFILE

Arup, based in London, UK is a global firm of designers, engineers, planners, and business consultants producing outstanding solutions in the architecture, engineering, and construction industry characterized by innovation and value.

## CHALLENGE

Arup seeks to efficiently create innovative, aesthetically and technically advanced iconic structures and buildings, such as the Beijing National Stadium, delivered on time and on budget.

## SOLUTIONS

Combining CATIA; Gehry Technologies Digital Project, a suite of integration, modeling and analysis applications; and Microsoft Office 2007 software, ArupSport satisfies the diverse needs of all stakeholders.

## BENEFITS

- Accelerates design-to-build time
- Retains creative intent to completion
- Uses fewer resources, reducing waste and improving sustainability

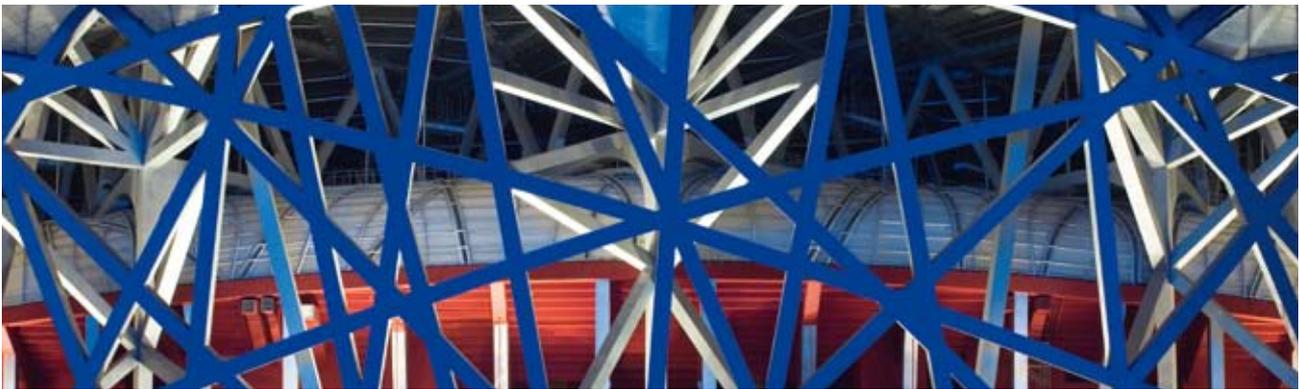
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“Reuse of stadiums after major events and sustainability are key needs which we meet using DS, Gehry Technologies, and Microsoft methodology. Lean manufacturing is enhanced with this technology and building techniques that reduce waste, producing lean construction, are now possible.”

MARTIN SIMPSON, ASSOCIATE DIRECTOR (ARUP)  
LEAD STRUCTURAL ENGINEER (ARUPSPORT)

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ARUP

DASSAULT SYSTÈMES  
CORPORATE REPORT 2008



## An Interview with Anne Asensio

VICE PRESIDENT OF DESIGN EXPERIENCE

“DS solutions for Design rely on an established cross-industry infrastructure.”

### Why did DS create the role of V.P. of Design Experience?

In challenging times when innovation is crucial for companies to remain competitive, the creative capacity of design has become a strategic asset for most industry leaders, from automotive to architecture. Every company wants to differentiate itself by creating first-class brands and more emotional, relevant products that bring real benefits to customers at a lower cost and in less time. DS is dedicated to helping its clients to achieve these goals through design competencies and commitment. A pervasive “Design mindset” will enable DS excellence. Our Design Experience strategy is to provide sustainable, innovative solutions for enterprises as well as for the design community.

### How do DS solutions contribute to Design?

DS places design intent at the heart of conception. Our goal is to help designers to preserve the integrity of their design throughout the PLM process. Designers' challenges are to imagine and create products that we are dreaming of, thus anticipating market trends.

# Design Experience



Designers want to freely express their creativity as well as to achieve best-in-class performance. DS solutions for Design act as an innovation catalyst: our 3D solutions have been developed with a clear focus on lifelike experience where users can intuitively brainstorm and experiment with concepts, visualizing and sharing them with all the creative teams.

## LAUNCH OF DESIGN STUDIO

In November 2008, DS launched its Design Studio to capitalize on and propagate design excellence throughout DS and its ecosystem. The CATIA for Design solutions portfolio includes a dedicated set of intuitive state-of-the-art applications for designers to express their creativity and explore new ideas in 3D. Visit [www.3ds.com/designstudio](http://www.3ds.com/designstudio)

## Where does eco-design fit in?

The European Union estimates that more than 80 percent of a product's environmental impact is determined in the product conception phase. To help companies and designers better manage materials, ensuring eco-design right from the start, DS solutions for Design rely on an established cross-industry infrastructure. DS solutions federate corporate assets, enabling project actors to take advantage of eco-design best practices from initial project ideas to product recycling, with environmentally-compliant design in mind.

*Anne Asensio, an award-winning Design executive previously executive director of Advanced Design at General Motors and Design director of Mid-range Cars at Renault, joined DS in November 2007.*





## Mechanical Design in 3D

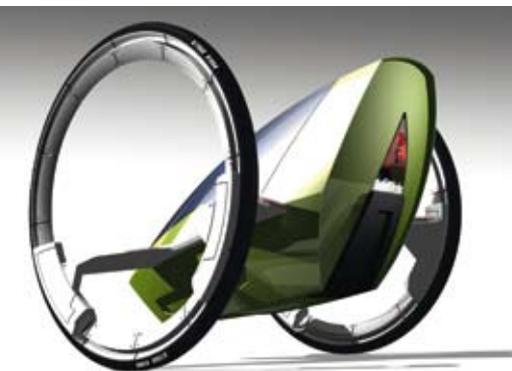
SolidWorks is committed to providing design teams with the 3D mechanical design, simulation, data management, and communication tools needed to develop better products. SolidWorks tools simplify even the most complex engineering processes to allow users to easily bring their designs to life. Known for listening to its customers, SolidWorks has more than a million passionate, active users who make up the largest 3D CAD software community in the world.

It is also why more **educational institutes** choose to train their students in SolidWorks tools; students at over 14,500 institutions worldwide graduate with SolidWorks training. More than 5,000 students have become Certified SolidWorks Associates since the program's inception in 2006, an effective way for teachers and potential employers to assess students' 3D CAD skills.

**SolidWorks 2009**, the latest release of SolidWorks 3D CAD software, reflects a laser focus on performance. Company research reveals performance is designers' and engineers' most valued CAD software trait.

**SolidWorks Simulation** and **SolidWorks Enterprise PDM** are natural extensions of the SolidWorks core product line and benefit users with the ability to rely on one data source to minimize errors and repurpose data across applications and regions.

Control Engineering Engineer's Choice Award and START-IT's Top 50 Technologies for SolidWorks Intelligent Feature Technology were awarded to SolidWorks software in 2008. DS SolidWorks Corp. has been recognized as one of the **Best Places to Work** by *Boston Business Journal* for six consecutive years.





## Integrated Product Design

From large OEMs to their supply chains as well as the mid-size market, thousands of companies across many industries around the world have already opted for CATIA's virtual design capabilities for product excellence. As DS's pioneer brand and a leader in 3D product creation solutions, CATIA enables true collaborative design and engineering across disciplines and encourages innovation amongst professionals in business, education, and research and consumers.



**CATIA V6** puts 3D collaborative innovation at the heart of the enterprise. It helps accelerate companies' transformation toward a multi-disciplinary approach, thanks to groundbreaking online collaboration tools enabling 3D brainstorming. These new tools allow users to identify other project participants, to connect with them, and to perform co-reviews and co-design to share design intent in 3D. CATIA V6 offers a full spectrum of next-generation virtual design capabilities spanning shape and style, mechanical, equipment, and systems engineering disciplines. A critical breakthrough, Systems Engineering integrates the requirements, functional, logical, and physical definitions of a product to address the growing presence of electronic systems in nearly every product.



Demonstrating our commitment to further enriching V5, **CATIA V5 R19** drives design excellence higher by delivering massive technology enhancements as well as showing important product momentum. Endorsed by many customers as a convergence release for their industrial programs, CATIA V5 R19 adds two new "in-context" approaches for composites design optimization, bringing significant productivity gains and quality improvement to the aerospace, energy, and shipbuilding industries.

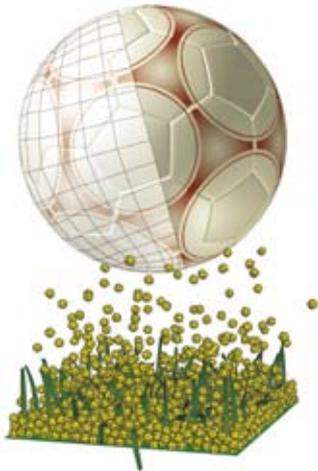


**CATIA PLM Express** has increased its foothold in the mid-size market with new customers across many different industries.



## Realistic Simulation

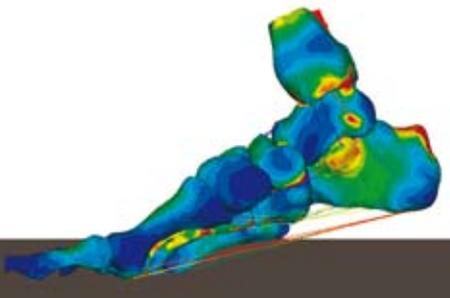
SIMULIA's expanding product portfolio of realistic simulation tools enables engineering organizations to accelerate innovation, reduce physical prototypes, and lower costs while improving product reliability and safety.



Manufacturing companies leverage the **advanced simulation technology** and methods developed by SIMULIA to accelerate the evaluation of their products' real-world behavior in a virtual environment. While use of SIMULIA technology continues to grow in industries where simulation usage is more mature, such as aerospace and automotive, it is expanding rapidly in emerging industries, such as life sciences, energy, and consumer packaged goods. This trend clearly indicates that the benefits of applying realistic simulation—throughout the product lifecycle—can be gained in all industries.

In 2008, DS acquired **Engineous Software, Inc.**, a leader in process integration and design optimization software solutions and services. This strategic acquisition allows us to complement the capabilities of Abaqus Finite Element Analysis with optimization technology and accelerate the delivery of an industry-leading solution for Simulation Lifecycle Management (SLM). Our development teams are extending the functionality of SIMULIA SLM to capture simulation knowledge, share approved methods, automate simulation processes, and manage simulation of intellectual property.

SIMULIA employs a customer-focused strategy and the 2008 SIMULIA **Customer Satisfaction Survey** shows consistent results over the years for providing top quality, support, and innovation. This demonstrates DS's commitment to delivering advanced simulation technology that provides real business value to our customers.





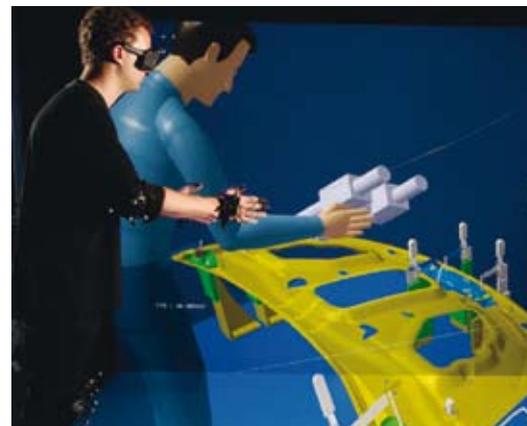
## Digital Manufacturing & Production

DELMIA delivers to all manufacturing communities, from suppliers to the shop floor, a lifelike 3D visualization experience of the real-world view of our customers' production systems, allowing for optimization of shopfloor operations and manufacturing processes resulting in a more sustainable future.

DELMIA allows manufacturers in any industry to virtually experience their **entire production system** throughout the supply chain. The virtual definition, set-up, optimization, scheduling, operation, and maintenance enable immediate impact analysis and simulation validation of corrective actions before committing to cost-intensive implementations.

DELMIA's enterprise-level digital manufacturing solutions facilitate **real-time collaboration** on product and production lifecycle data in a single online referential between the different communities in the manufacturing supply network, such as design engineering, manufacturing engineering, shop floor, and quality management. DELMIA combines knowledge sharing with resource planning to capture best practices and help our customers achieve maximum efficiency and profitability. The results are optimized scheduling, planning, installation, and the reduction of plant downtime.

DELMIA also offers a **comprehensive set of solutions** that makes digital manufacturing technology easily accessible to the mid-markets within the supply chains, such as part suppliers, engineering firms, and tooling providers.





## Global Collaborative Innovation

Serving communities in product development, production, and their partners and supply chain, ENOVIA is the cornerstone of the DS portfolio. ENOVIA allows companies to connect online communities to share and collaborate on global product information, ensuring that everyone uses a single version of the truth.

Companies searching for competitive ways to bring products to market must take advantage of worldwide economies. Establishing standard business processes and securely sharing global product information while remaining innovative is a challenge. ENOVIA is the **common collaboration platform** for all DS brands, together addressing the entire product lifecycle. By enabling online communities to collaborate and share sensitive product data in lifelike 3D, and with an open and scalable platform, ENOVIA solutions help our customers improve time-to-market at a lower cost.

Because business processes vary, we tailor industry-specific versions of ENOVIA with pre-configured templates for a faster return on investment. Developed in partnership with some of the world's best companies, these solutions are based on industry best practices. In 2008, we introduced 12 **industry-focused solutions** across aerospace, consumer goods, consumer packaged goods, high-tech, and life sciences.

ENOVIA SmarTeam solutions for mid-sized companies support design, engineering, and enterprise collaboration. **Express** offerings allow companies to start small and scale up to add online collaboration across global organizations or supply chains, according to their needs.





## 3D Lifelike Experiences

3DVIA delivers lifelike 3D experiences to the world's rapidly expanding digital communities. It represents a bold commitment to extend 3D technology to new users, businesses, and consumers. By delivering products designed specifically for non-traditional users of 3D applications, 3DVIA establishes an entirely new way for companies to communicate across the enterprise and directly with consumers using 3D as a universal language.

Many companies have significant investments in 3D technology to improve the way they design and manufacture products. **Tightly integrated to other DS brands**, 3DVIA products help these companies enhance their investments by equipping more enterprise users with more ways to use their existing 3D data. 3DVIA is a natural extension for any enterprise looking to enhance its 3D intellectual capital.

3DVIA empowers customer service, manufacturing, training, game and 3D application development, support, sales, and marketing personnel to be more productive by allowing them to quickly and easily manipulate, build, and publish 3D data and applications in a variety of formats and across multiple platforms. 3DVIA's publishing software enables 3D data and applications to be integrated into products like Microsoft Office and Adobe 3D PDF, as well as viewed and interacted with **on the Web in real time**.

Bringing the power of 3D to the Web in the form of interactive, real-time 3D applications provides businesses and individuals the opportunity to reach customers and share ideas in ways not possible before. The ability to **virtually leverage communities worldwide** and work together to improve products and services quickly, efficiently, and cost-effectively is the 3DVIA objective.



# Additional Information

## ADDRESSES OF MAIN LOCATIONS

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**ENOVIA**  
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Providence, RI 02909 – États-Unis

**SolidWorks**  
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