

Dassault Systèmes, Vélizy, France

Design immersion and 3D collaboration

“While you are immersed in your design you suddenly get a much clearer insight in correlations between vital pieces of information. You will immediately see if the pieces of your design fit together.”

Barbara Tabb,
Director of WW Alliance Operations.



Dassault Systèmes is a world leader in 3D and Product Lifecycle Management (PLM) solutions. It offers a portfolio of software products aimed at accurately rendering high-quality 3D content for designers, engineers and teams of decision makers. For their demo area and auditorium at the new DS Campus, Dassault Systèmes wanted the most high-end display system available to showcase its PLM solutions to customers and partners. These customers represent eleven industries, from the world's most prominent automotive and aerospace companies to consumer goods, construction and engineering industries.

BARCO

Visibly yours

Design immersion and 3D collaboration

First seven-channel 3D environment with HD projection

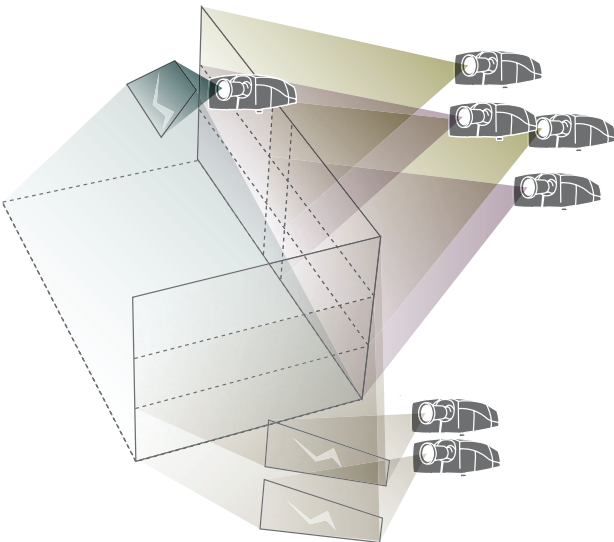
"We wanted to have something truly groundbreaking and unique. Something that would cast our PLM software and system capabilities in the best possible light," explains Olivier Alloyer, IT Project Manager of Dassault, "It was clear from the start that only Barco would be up to this tremendous challenge. We are pleased that with the help of Barco's project management and experienced engineers, the project was completed on schedule."

The I-Space system Barco created for Dassault Systèmes is the world's first system with seven native HD projectors, and super-flat, high-contrast Barco screens. Four of these Galaxy NH-12 projectors power the wide front screen, while two are used for the side screen, and an additional one for the floor.

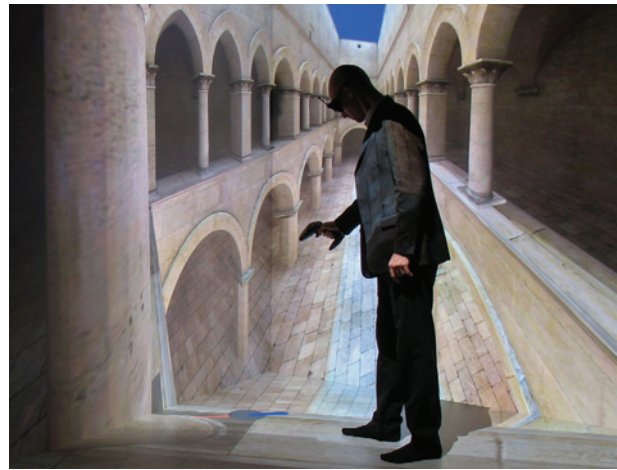
To ensure one smooth image at all times, Barco's Galaxy NH-12 projector employs a number of unique optimizations. These include edge blending technology to eliminate blurry overlap zones between projections, color and brightness matching and geometry correction. "These technologies help ensure that we're always looking at one stable image free of disturbances. To this day we remain very impressed with the I-Space's image quality," says Barbara Tabb, Director of Worldwide Alliance Operations.

Familiar Windows interface

"Another aspect Barco's I-Space excels at is its ease of use. Through integration with Barco's XDS Control Center software suite," continues Mr. Alloyer, "the system's users can select, control and edit a multitude of sources simultaneously in a familiar Windows user environment, which makes it very easy for our partners and prospective customers to get a feel of our software."



Ref.no. R599886 - January 2009



Unedited picture

"If you are immersed in your design you suddenly get a much clearer insight in correlations between vital pieces of information. You will immediately see if the pieces of your design fit together well," concludes Mrs. Tabb.

Collaborative 3D auditorium

In addition to the I-Space setup in the main demo room, Dassault Systèmes' 300-seat 3D auditorium is driven by a nine meter wide Barco CADWall system with two Galaxy NH-12 projectors. It shares all user-friendly Windows functionalities with the I-Space. Thanks to the system's detailed canvas, it is also possible to hold life-size videoconferencing sessions where users can share, analyze and look at the same data in real-time.

Continued partnership between Barco and Dassault

Barco is an official Technology Partner of Dassault Systèmes through the latter's alliance program, while Barco's customers often use Dassault Systèmes' 3DVIA Virtools software on their display systems. Both companies champion projects that raise industry awareness on the importance of 3D stereo visualization in for engineering or public purposes.

Barco nv
Avionics & Simulation Division
Noordlaan 5, 8520 Kurne, Belgium
Tel. +32 56 36 86 00 - Fax + 32 56 36 84 86
email: contact.bps@barco.com

BARCO

Visibly yours