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This project was a challenge because we brought together a new team, developing a new application, using new technology. Capgemini provided us with the guidance that we needed to face this challenge and develop and deliver our CineCare Web SaaS solution.”

Julie Daniel

R&D Team Leader Software,
Barco Entertainment Division



Barco Achieves Global Interoperability with Intuitive Remote Service Tool

Capgemini leverages its Cloud expertise and Windows Azure capability to create custom solution

The Situation

Barco is a global technology firm that designs and develops visualization solutions for a variety of sectors such as Medical Imaging, Media and Entertainment, Infrastructure, Transportation, Defense and Education. Its Entertainment Division assigned Capgemini Belgium the responsibility to help them with the analysis, design and development of a cloud-based remote service tool for digital cinema.

At the time of initial feasibility studies, there were no open and intuitive remote service tools, directed at the digital cinema segment. In the absence of a dedicated solution, sector suppliers and service firms resorted to multiple, complex and in-house tools that were behind the help-desk firewall. Barco selected Capgemini with an intention to change the prevailing order.

The objective was to build an open Software-as-a-Service (SaaS) tool that conformed to market requirements, while enabling and supporting all of Barco's partners. Barco expected the tool to have the following main characteristics:

- Global interoperability
- Real-time information exchange
- Flexible integration possibilities

The Solution

Capgemini Belgium brought its extensive Cloud knowledge and pragmatic Windows Azure expertise into the joint endeavor and provided architectural advice and design, created a Proof of Concept (PoC) and helped develop an innovative Windows Azure based SaaS solution, based on:

- Windows Azure (including Compute, ACS, SQL Azure, etc)
- .NET (including WIF, WCF and EF)
- NServiceBus
- ThinkTecture Identity Server

The so-called "CineCare Web" tool was designed to enable remote and central management of digital cinema equipment with maximum performance and uptime assurance. Fully scalable, it is capable of servicing smaller art house cinemas as well as multiplexes and circuits, with the potential to incorporate customization, based on the geographic region.

The Result

Used by up to 20 internal and over 500 external users, the solution is now a crucial part of software support for Barco's Entertainment Division. It provides Barco with an overall view of their deployed devices, including the need for preventive maintenance or other relevant assistance. In addition, it continues to promote increased information sharing across stakeholders, both internal and external partners. Documented best practices, from the Proof of Concept stage and beyond, will support decision making for extensions, including but not restricted to the same project.

How Barco and Capgemini worked together

One of Capgemini's Azure Architects and a Microsoft "Most Valuable Professional" worked closely together with Barco's Entertainment Division professionals to construct a Windows Azure based SaaS architecture. At the same time, Capgemini's .NET and Azure developers partnered with the Barco project team, ensuring efficiency of execution and delivery.

The remote service tool fits perfectly within Barco's overall strategy. It helped Barco leverage limitless possibilities of digitization, in this case connecting theater operators and service partners of all sizes. Capgemini thereby helped Barco in keeping its commitment to shape the cinema of the future, together with its customers.



We knew we needed a solid and trustworthy partner, with the necessary experience and expertise, to guide us in making smart decisions for cloud-based development and to help us make this new SaaS endeavor a success. Capgemini Belgium provided this expertise to our development team and became our partner in bringing our application to life."

Philippe Martin

R&D Manager Software,
Barco Entertainment Division

For more information on this project, please contact:

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About Capgemini

With more than 120,000 people in 40 countries, Capgemini is one of the world's foremost providers of consulting, technology and outsourcing services.

The Group reported 2011 global revenues of EUR 9.7 billion. Together with its clients, Capgemini creates and delivers business and technology solutions that fit their needs and drive the results they want. A deeply multicultural organization, Capgemini has developed its own way of working, the Collaborative Business Experience™, and draws on Rightshore®, its worldwide delivery model.

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in collaboration with



About Barco

Barco, a global technology company, designs and develops visualization solutions for a variety of selected professional markets: control rooms, defense & aerospace, digital cinema, healthcare, media & entertainment and simulation & virtual reality.

In these markets Barco offers user-friendly imaging products that optimize productivity and business efficiency. Its innovative hard- and software solutions integrate all aspects of the imaging chain, from image acquisition and processing to image display and management. Barco has its own facilities for Sales & Marketing, Customer Support, R&D and Manufacturing in Europe, North America and Asia Pacific. Barco (NYSE Euronext Brussels: BAR) is active in more than 90 countries with about 3,700 employees worldwide. Barco posted sales of 1.041 billion euro in 2011.

More information is available at:

www.barco.com