

# Bellewaerde Park, Ypres

## Revolutionary 4D cinema

“This 4D cinema is the first in Flanders. We chose Barco for the visualization part, because we wanted to work with the best in each field.”

Filip De Witte, general manager of Bellewaerde Park



Bellewaerde Park is Belgium's oldest theme park. Built around an ancient castle, the 54ha theme park has consistently been at the forefront of innovations in amusement park technology. In 2006, it was looking to build an advanced, immersive cinema that would include stereoscopic 3D visualization, moving seats, surround sound and even wind, fog and water effects. 4D was born.





## Sharp 1080p HD stereoscopic visualization

In an environment where effects such as fog, water and moving seats greatly enhance a visitor's experience, Bellewaerde Park could not afford to have dim, blurry or unreliable visualization. As such, they required top-level display technology that was not only capable of rendering stereoscopic movies in full 1080p HD without light loss, it also had to be easy on maintenance and highly reliable.

For these reasons, Bellewaerde Park chose a single-channel visualization system consisting of two **iCon H600** projectors. These network-centric, 6000 ANSI lumens LCD projectors have the following features:

- Full, uncompromised 1080p HD projection and an intelligent dual-lamp design
- An integrated Windows XP display server with Barco software that allows rapid and easy selection of sources and layouts
- Complete integration into the existing AV/IT-environment, with remote control and diagnostics capabilities
- Displaying of sources in intuitive windows that can be resized, moved or made to overlap anywhere on the screen
- Easy operation with keyboard and mouse



Barco's iCon H600

Ref. n° R599xxx March 2007

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## Complementing an immersive cinema experience

Complementing the 4D cinema's surround sound technology, environmental effects and realistic motion experience, Barco's stereoscopic display system completes the perfect picture of a spectacular, immersive movie theater for Bellewaerde Park's visitors. For Bellewaerde Park, the iCon H600 setup results in the following advantages:

- Its fast and user-friendly selection of movie sources with keyboard and mouse, through readily accessible Windows XP Start Menu options, results in quick response times and an efficient work routine for the cinema staff.
- Servicing and maintenance is made easy through the system's remote control and diagnostics capabilities that automatically warn staff members through e-mail in case of problems with sources or projector lamps.
- Its dual-lamp design can let both lamps alternate in a special economy mode, and when one lamp should fail, the other revs up to full power to ensure an uninterrupted show.

The 4D cinema has been in operation since Bellewaerde Park's 2006-2007 season opening. Annually, the amusement park attracts roughly 900,000 visitors.

## Similar references

- Tycho Brahe dome planetarium, Denmark
- La Géode 3D cinema, France