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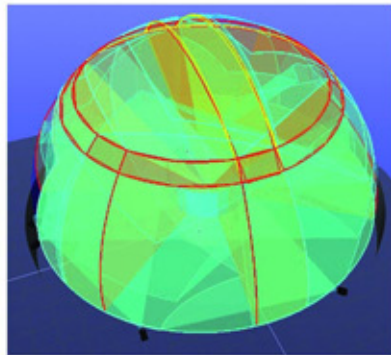
Digital revolution at the ...

Planetarium of the Royal Observatory of Belgium

“New technology takes visitors at the centre of universe”
Rodrigo Alvarez, planetarium director.

RSA cosmos, BARCO and the planetarium of Brussels will collaborate in the next few months to install a new high-tech digital projection system.

Housed into a historical building, the planetarium of the Royal Observatory of Belgium is one of the last operating ZEISS UPP projector from 1935.



Thanks to the support of the Ministry of Scientific Policy, the Royal Observatory of Belgium decided to modernize the planetarium while keeping ZEISS UPP projector, screen, seats, lighting and sound system for budgetary reasons.

This project allowed RSA cosmos and BARCO companies to propose an innovative projection and simulation system which integrates the ZEISS UPP projector while avoiding any shadows of the straball on the screen.

The planetarium is going to be equipped with 6+2 configuration projection system (6 projectors for the panorama and 2 projectors for the zenith).

The 8 LCOS BARCO SIM7Q projectors are set at the periphery of the dome, below the horizon line.

The total active resolution on the screen is 12 million pixels with a maximum contrast of 2 000 000: 1.



On the software side, RSA cosmos integrates its In Space System 8C HD solution, with the latest version of astronomical simulation software SkyExplorer (v3) and its control software DomeManager.

The latest multimedia features available like wireless control unit or video streaming will be integrated in the system.

