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SEOS SUPPLIES WORLD'S FIRST FULL DOME MULTI-CHANNEL DLP DISPLAY SYSTEM

SEOS has successfully installed the world's first Digital Planetarium using DLP video projectors at the Denver Museum of Nature & Science.

The state-of-the-art Gates Planetarium will seat 125 people and is part of a \$50m project called Space Odyssey, which will establish the Museum as the premier space science information and education resource in the Rocky Mountain region. Space Odyssey is the most ambitious project in the Museum's 100-year history and will give visitors the feeling that they are travelling across the universe without ever leaving the ground.

The digital planetarium uses an in-house developed, real-time simulation of the cosmos called the Cosmic Atlas™. This scientifically accurate, aesthetically pleasing simulation is based entirely on real space science data.

Traditionally, CRT projectors have been utilised for their good black levels. In this case however, the emphasis is on the ability to view the surfaces of planets and X-Ray images of space, that both involve a high degree of colour. This is where DLP projectors excel and SEOS is the only company in the world with the technology capable of enabling these projectors to be used in a system of this size.

SEOS's OptiBlend and Mercator II are used in conjunction with SEOS enhanced DLP projectors. SEOS engineered and implemented specific modifications to the projection systems to achieve the first DLP projected V-Dome in the world with spectacular results. The 5,000 lumen projectors used in conjunction with a custom-designed dome coating have massively increased the system contrast. In fact, the resultant system has higher brightness and better contrast levels than can be achieved with traditional CRT solutions.

Mark Matthews of SEOS states, "We are extremely pleased to be involved in this very exciting and high profile project. I am aware that the Museum spent considerable time and effort evaluating the capabilities of many companies to provide this world beating system and I am very proud that they chose to work with us. This system will be spectacular beyond



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anything previously experienced in a planetarium and sets new standards for visualization of the Cosmos. I have heard that visitors who have entered the theatre during installation ‘gasped’ when they saw the spectacularly vivid images on the screen.”

ABOUT SEOS

SEOS is a leading global supplier of display and immersive solutions for simulation and visualization, delivering advanced solutions for the civil and military, training and research, visualization, leisure and entertainment markets.

SEOS has established a worldwide reputation for supplying innovative, high quality, cost-effective display solutions combined with a high level of expertise and exceptional service. A comprehensive range of services and unequalled design system integration capability provide a display solution that is custom designed and built for its application.

For further information please [contact us](#).