Sui and Tang Luoyang City National Heritage Park

Case Study

Restoring the ancient glory of Sui and Tang Dynasties

The ancient Tang Dynasty is widely regarded as a high point in Chinese civilization, and a golden age of cosmopolitan culture. Founded in 618 AD, it flourished under the rule of Emperor Taizong and became the most powerful and prosperous country in the world. During this glorious period, the economy, politics, culture and military strength reached an impressive level.

The Tang Dynasty also holds the unique distinction of having China’s only female emperor – Empress Wu Zetian, who reigned from 690-705 AD. During her political heyday, two of the grandest architectural wonders known as Tian Tang (Heavenly Hall) and Ming Tang (Hall of Enlightenment) were built as symbols of splendor and opulence. The former was intended for meetings with government officials, while the latter was designated for religious ceremonies. However, both iconic towers were destroyed by fire in 695 AD.

Fortunately, the two legendary towers are not forgotten despite the passage of time. Full-scale replicas of these structures have been reconstructed at the Sui and Tang Luoyang City National Heritage Park in China’s Henan Province.

Products:
• Christie DWU555-GS (5)

Results:
The Christie GS Series projectors create stunning visuals on the backdrop of the impressive sand table model portraying the height of the Tang Dynasty. The projections beautifully complement realistic buildings, flora and figurines in Ming Tang, which have become a popular attraction in the heritage park.

Customer:
Sui and Tang Luoyang City National Heritage Park

Location:
Luoyang, Henan Province, China

Industry/Market:
Cultural heritage and history

Partners:
Wincomm Technology

Requirements:
• High brightness
• Accurate color reproduction
• Long hours of uninterrupted operation

Summary:
Christie GS Series laser phosphor projectors provide projections on the backdrop of a massive sand table model showcased at Sui and Tang Luoyang City National Heritage Park in China’s Henan Province.
attraction, located in Henan Province, is built on the remnants of the palaces when Luoyang was China’s imperial capital during the Sui and Tang dynasties. It aims to emulate the original Tian Tang and Ming Tang, and provide a glimpse of the history to modern visitors.

The nine-story-high Ming Tang houses a spectacular sand table model of the ancient city of Luoyang, which covers an area of 130 square meters and is built to a scale of 1:800. The backdrop of this massive sand table is powered by Christie® GS Series laser phosphor projectors, which play an instrumental role in restoring the ancient glory of the city. Lifelike visuals such as blue skies, birds in flight, junk ships sailing on the river and endless mountains in the background are displayed using five ceiling-mounted Christie DWU555-GS laser phosphor projectors installed by Christie’s valued partner, Wincomn Technology.

Equipped with full HD resolution and an impressive illumination life of 20,000 hours, the projections create a stunning contrast against authentic buildings, flora and figurines meticulously put together by skilled craftsmen.

“When it comes to the selection of projection systems, the end user is very selective and only wanted the best. They eventually decided on Christie projectors due to their impressive performance, outstanding track record in China and numerous accolades,” said Tony Chen, General Manager, Wincomn Technology.

Chen noted that the Christie GS Series laser phosphor projectors are ideal for this setup due to their long hours of uninterrupted operation.

“In view of the large projection canvas in the backdrop, five Christie DWU555-GS projectors were needed to seamlessly blend the images together to form a complete panorama that brings ancient culture and history to life.”

“The deciding factor was its 20,000 hours of low-cost operation, which was exactly what the end user was looking for. At the same time, the GS Series’ other advantages such as long-lasting brightness, accurate color reproduction, image quality, 24/7 reliability, as well as blending and warping capabilities...
for curved surfaces, make it the perfect projection solution for such location-based entertainment venues,” he added.

Designed to deliver premium performance and reliability in high-usage environments, the Christie GS Series is ideal for small and medium venues such as museums, boardrooms, conference rooms, and houses of worship, among others. They are equipped with Christie BoldColor Technology for the most life-like images and natural color reproduction possible with laser phosphor illumination, and use a grid-based warping and blending processor. There is also an option for camera-based warping, blending or stacking to make setups faster and simpler. In addition, the GS Series can be rotated 360-degrees and used in portrait orientation, making them ideal for complex setups.

The decision to use the GS Series projectors was the right one. After the exhibit opened its doors to the public, it quickly became one of the most popular attractions in the heritage park, drawing thousands of visitors daily. Many of them are amazed by the amount of detail shown in the spectacular sand table model, as well as the colorful and accurate backdrops displayed by the GS Series projectors.

“The large scale exhibits in Ming Tang transport visitors back to the Tang Dynasty to experience its magnificence, and we’re pleased to play a role in recreating the past glory of the most powerful dynasties in Chinese history through the use of our GS Series laser phosphor projectors to produce a highly realistic backdrop. I would like to thank our partner Wincomn Technology for completing yet another excellent job that aptly showcases the might and glory of the Tang Dynasty,” said Jason Pei, Deputy General Manager, Christie China.

Lin Yu, Vice President, Christie Asia Pacific, commented, “We are honored and excited that our GS Series laser phosphor projectors are deployed in the new Sui and Tang Luoyang City National Heritage Park. At the same time, we’re very pleased to collaborate with our valued partner Wincomn Technology on the installation. Over the last few years, interest in lampless projectors has been increasing within the ProAV industry and Christie is well-positioned to deliver these high quality and reliable products to the market. We are delighted that visitors at this new attraction are able to appreciate the rich history and heritage of the Sui and Tang Dynasties through these mesmerizing visuals.”

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