Delivering New Digital Theater Experience at Dunhuang

COMPANY PROFILE

Dunhuang Research Academy (DHRA) is a national comprehensive institution responsible for the conservation, management and research of the Mogao Grottoes, a world cultural heritage site at Dunhuang, the Yulin Grottoes, a nationally protected key cultural heritage site at Guazhou, and the Western Thousand-Buddha Grottoes at Dunhuang. Dunhuang Mogao Caves is one of the most extensive conservation and utilization programs among the UNESCO World Heritage Sites.

Challenges

- Conserve the treasures inside the caves
- Deliver new theatre experience

Solutions

- High-definition dome theaters
- Projection system and screens

Value Created

- Multi-media virtual tour
- Visitors see the caves in greater details
Challenges
The conservation projects include the works of restoring and consolidating the cliff surface, the caves, the statues and the murals, as well as digitization, which is to digitize the video and photographs of the caves and the relics inside, creating multi-media virtual tour presentations for the visitors. The presentations along with visits to the caves allow visitors to see more of the Dunhuang art in greater details and help conserve the treasures inside the caves.

Solutions
PCCW Solutions was selected to provide total solutions for the digital theater systems at the Dunhuang Mogao Caves Visitor Center. PCCW Solutions was responsible for the design, installation, implementation, testing, maintenance, and related training services for the digital theater systems. This project contains the installation of digital theater systems into four digital theaters, includes two dome theaters with high-definition 8K projection systems, screens of 18 meters in diameter which are the biggest and most advanced 8K dome theaters in China.

Value Created
The digital theater of the Dunhuang Mogao Caves Visitor Center in Gansu Province of China officially opened on 10 September 2014. Visitors can now obtain a better understanding of the history and culture of Dunhuang through high-definition documentary films and have virtual reality experience of its most majestic caves at the Visitor Center.

About PCCW Solutions
PCCW Solutions is a leading IT services company in Hong Kong and mainland China. We adopt the latest technology to help clients create business value and success in the ever-changing economic environment. We offer a wide range of services including digital solutions, IT and business process outsourcing, cloud computing, system development and solutions integration, data center hosting and managed services, e-commerce and IoT solutions. PCCW Solutions is committed to meeting customer needs to help them achieve business goals and transform digitally.