

# Application Story

## China State Bureau of Geology, Survey and Mapping



*At the China State Bureau of Geology, Survey and Mapping, four Christie Mirage HD18 projectors display satellite-based mapping data onto the floor, five stories below.*

### Cutting-edge Christie technology helps disaster aversion efforts in China

Preparedness is key when it comes to natural disasters and in China, a Christie solution is helping with the efforts to be ready for anything. The China State Bureau of Geography, Survey and Mapping is a government institute dedicated to surveying the country's rich landscape. It provides services to aid in disaster prevention and alleviation, as well as mapping for other industries such as agriculture, forestry, water resources, environment, city planning, transportation and national defense.

The agency has chosen four Christie Mirage HD18 projectors to display their mapping data, housed in a five-storey building that is an ideal fit for the application. The ample square footage of the floor, almost as large as two basketball courts end-to-end, provides a perfect canvas for the satellite data that is projected from the ceiling. The installation process for the four Mirage HD18 projectors was an interesting venture, given their mounted locations on the roof of the building. Arranged in a 2x2 blended down-shot array and producing high quality, 3D stereo content of satellite-based imagery, the solution provides 8 mpx of resolution and an amazing view of China's landscape. A balcony catwalk built above the floor display offers a bird's eye view of the entire area, from any perspective. With infrared emitters that completely cover the area, users can operate in 3D stereo for total immersion in the visual data. This type of highly detailed data display is a valuable asset to the organization.

In recent years, China has attached great importance to the development of geographic information surveying and mapping because it is vital to the development of industries such as marine economy and national security. Surveying and mapping professionals also provide important services to disaster relief and reconstruction work, as in the case of the devastating earthquake in the Wenchuan province in May 2008.

This unique installation is one of several for Christie in the emerging Chinese market. Other government and educational institutions, such as the Huazhong University of Science and Technology and Shanghai Jiao Tong University, have turned to Christie to provide cutting-edge display solutions for their learning environments.

#### Customer:

China State Bureau of Geology, Survey and Mapping

#### Location:

Beijing, China

#### Industry/Market:

Government

#### Requirements:

Ceiling-mountable projectors capable of transmitting high resolution, 3D satellite data at a considerable throw distance, five stories below.

#### Summary:

To display 3D stereo content of satellite-based mapping data, this government agency required four Christie Mirage HD18 projectors. Infrared emitters on the extremely large floor canvas allow for a unique 3D view of the data from any perspective.

#### Products:

- Four Christie Mirage HD18 projectors

#### Results:

Arranged in a 2x2 blended down-shot array that produces high quality content, this solution provides 8 mpx of resolution and an amazing image of China's landscape. An impressive third floor catwalk offers a bird's eye view of the mapping data below. This cutting-edge solution aids in providing disaster prevention to all provinces of China.

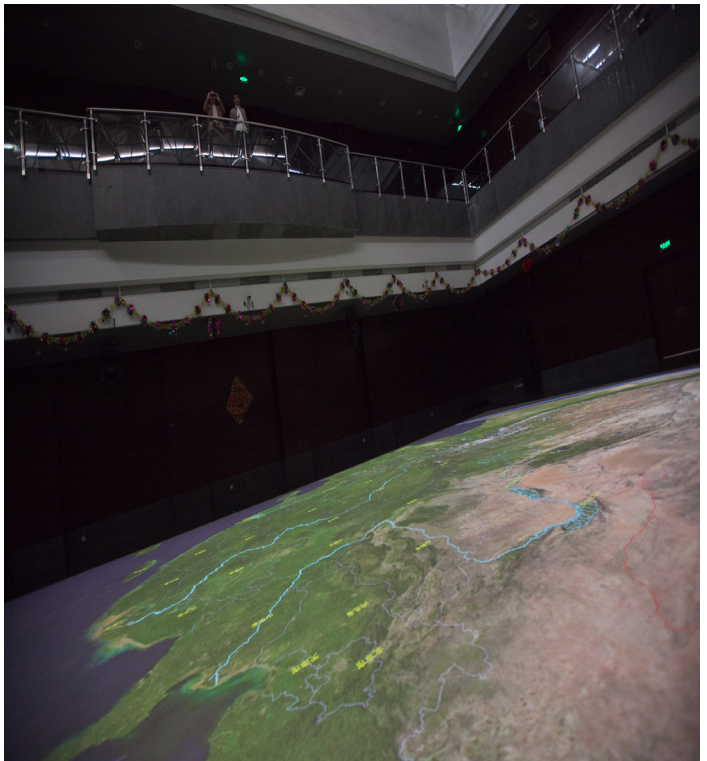
Barry Lewine, Christie's director of sales for visual environments in Asia, hopes to build on the success his team has seen in

*"This is just the beginning of a collaborative approach to solutions between Christie Asia and Christie North America."*  
*Barry Lewine, Director of Sales for Visual Environments in Asia, Christie*

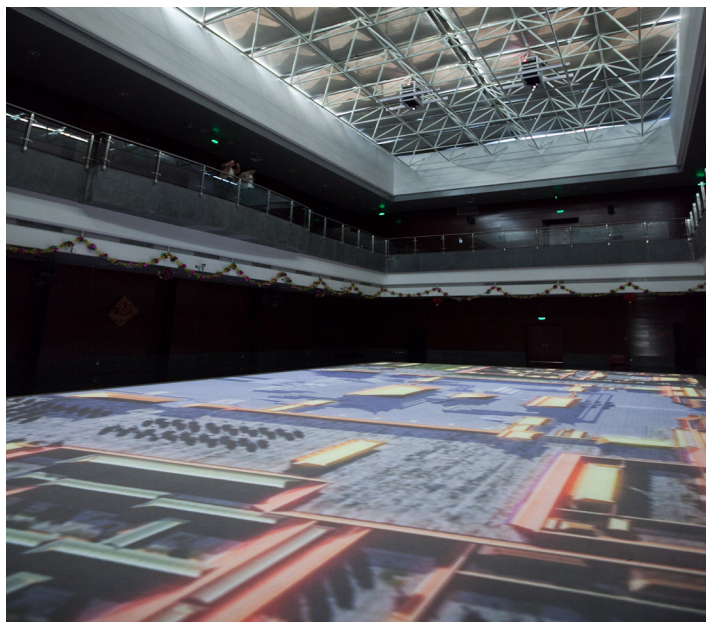
China. "This is just the beginning of a collaborative approach to solutions architecting and project fulfillment," said Lewine. "We hope to continue this collaboration between Christie Asia and Christie North America teams in the future," he said.

**Contact Christie**

Contact us today to find out how you can benefit from Christie's expertise in integrated simulation solutions.



*The third floor catwalk provides a bird's eye view of the mapping data - a unique, comprehensive perspective for researchers.*



*Satellite data of urban and rural landscapes help researchers in predicting natural disasters like floods and earthquakes.*



*Mounts in the ceiling provide support for the units and a perfect canvas for display - the floor of the building, five stories below.*

Corporate offices	Worldwide offices	Independent sales consultant offices
<p>Christie Digital Systems USA, Inc                      USA – Cypress                      ph: 714 236 8610</p> <p>Christie Digital Systems Canada Inc.                      Canada – Kitchener                      ph: 519 744 8005</p>	<p>United Kingdom                      ph: +44 (0) 118 977 8000</p> <p>Germany                      ph: +49 2161 664540</p> <p>France                      ph: +33 (0) 1 41 21 44 04</p> <p>Spain                      ph: +34 91 633 9990</p> <p>Eastern Europe and Russian Federation                      ph: +36 (0) 1 47 48 100</p> <p>United Arab Emirates                      ph: +971 (0) 4 299 7575</p> <p>India                      ph: (080) 41468940</p> <p>Singapore                      ph: +65 6877 8737</p>	<p>China (Shanghai)                      ph: +86 21 6278 7708</p> <p>China (Beijing)                      ph: +86 10 6561 0240</p> <p>Japan (Tokyo)                      ph: 81 3 3599 7481</p> <p>Korea (Seoul)                      ph: +82 2 702 1601</p> <p>Italy                      ph: +39 (0) 2 9902 1161</p> <p>South Africa                      ph: +27 (0) 317 671 347</p>



For the most current specification information, please visit [www.christiedigital.com](http://www.christiedigital.com)

Copyright 2011 Christie Digital Systems USA, Inc. All rights reserved. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Christie Digital Systems Canada Inc.'s management system is registered to ISO 9001 and ISO 14001. Performance specifications are typical. Due to constant research, specifications are subject to change without notice. China State App Story June 11

