

Christie technology ensures safe sea-faring for Princess Cruises

Case study



▲ Princess Cruises' new video wall in their ERC displays up to 10 feeds of content, equipping the cruiseline to effectively monitor and respond to emergency situations on any of the ships in their fleet.

Princess Cruises' ERC optimized with Christie technology

Each year, Princess Cruises carries over 1.4 million passengers on luxurious and relaxing sea-faring adventures. In order to ensure that they are prepared for whatever their ships may encounter on the open seas, Princess Cruises partnered with Christie® to upgrade the technology used in their Emergency Response Center (ERC) located in Santa Clarita, California.

The focal point of the ERC is a video wall spanning 20 feet, with a height of 7 feet. Originally, the video wall was set up with 6 projectors and screens, each displaying a different content feed. While this set-up was functional, it limited how Princess Cruises displayed and managed content and they were constrained by the boundaries of each individual screen. "The video wall is the most important component of our emergency

response facility, as information handling and display is critical to a successful response. It was crucial for us to get the technology right and we needed something big enough for our viewing requirements, but optimized for our room size," explained Andrew Shand, Fleet Safety Manager, Princess Cruises.

The right technology choice

"Choosing Christie MicroTiles® and the Christie TVC-1700 video wall processor allowed us to have a high-resolution, near-seamless display, while also giving us flexibility and scalability in video wall design and content management."

Andrew Shand,
Fleet Safety Manager,
Princess Cruises

Customer:
Princess Cruises

Location:
Santa Clarita, California, USA

Industry/Market:
Emergency operations centers

Partner:
Pacific Video Products

Requirements:

- Flexibility in video wall size and set-up
- Multimedia content feeds
- Ability to move, place and re-size content on display
- Ultra clear images
- Reliability in performance
- Near-seamless display
- Ability to control content remotely

Summary:

Princess Cruises relies on Christie MicroTiles for their newly-upgraded Emergency Response Center. Princess Cruises was looking for the latest, most reliable technology and decided on Christie MicroTiles as their high-quality display solution of choice and the TVC-1700 video wall processor for content management.

Products:

- Christie MicroTiles
- Christie TVC-1700 video wall processor
- Custom-built pedestal

Results:

In partnership with Pacific Video Products, Princess Cruises used 105 Christie MicroTiles and one Christie TVC-1700 video wall processor to build a powerful and reliable video wall. The wall is a critical component of Princess Cruises' situational analysis and monitoring during emergency response situations.

To determine their requirements and explore various display options, Princess Cruises enlisted the help and consultation of Bob Myers, Manager Presentation Systems from Pacific Video Products. Bob worked closely with the team at Princess Cruises to identify and define the requirements for the video wall. The specifications included the number of content feeds, high-resolution, improved control and flexibility for their live video feed, seamlessness in display so they would not lose data between panels, along with remote content control and up-to-the minute feeds for weather, navigational charts and their virtual command center technology. They also looked at who would be using the room so they could tailor the set-up of the system to Princess Cruises' Response Team.

After reviewing display options, Princess Cruises decided to use 105 Christie MicroTiles to create the display. The MicroTiles were the ideal solution because of their size, flexibility in design set-up and image quality. For content management, Princess needed to be able to view up to 10 content feeds at a time, and be able to place, re-size and focus on any given feed to allow them to effectively protect the safety of their passengers. Their choice for content control was the Christie TVC-1700. This video wall processor offers extremely powerful and reliable content management, with the capability of handling hundreds of simultaneous inputs.

Christie also provided a custom-designed pedestal that works well with the tiered seating and the depth constraints of the room. The pedestal has side panels for better aesthetics and cable management. These panels feature a louvered design to

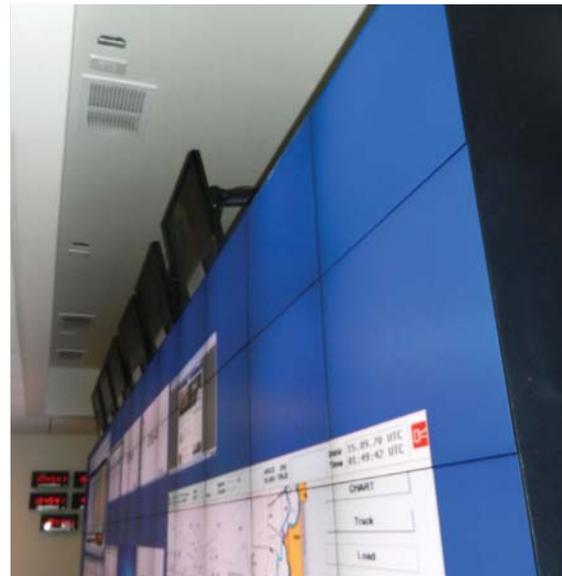
help keep the MicroTiles cool, and there is additional ventilation through a soffit to further support air flow.

While the ERC is not used on a daily basis, Princess Cruises makes sure that it is operational at a moment's notice with weekly tests, as well as drills scheduled on a quarterly basis throughout the year, to practice their responses to various scenarios. Anyone working with the ERC and the video wall is struck by the power of the system and the scale of view that the display provides.

The reliability of the video wall in the ERC is of paramount importance to Princess Cruises' ships, crews and passengers. Using Christie display and content management solutions, the new video wall ensures that Princess Cruises' staff will have the information and tools that they need to respond quickly and effectively to an emergency scenario.

Contact Christie

Contact us today to find out how your organization can benefit from Christie solutions.



▲ Custom design and engineering helps with ventilation.

▼ The video wall using Christie MicroTiles has a narrow profile and fits well within the space constraints of Princess Cruises' ERC.



Corporate offices

Christie Digital Systems USA, Inc.
USA – Cypress
ph: 714 236 8610

Christie Digital Systems Canada Inc.
Canada – Kitchener
ph: 519 744 8005

Worldwide offices

Australia
ph: +61 (0) 7 3844 9514

Brazil
ph: +55 (11) 2548 4753

China (Beijing)
ph: +86 10 6561 0240

China (Shanghai)
ph: +86 21 6278 7708

Eastern Europe and
Russian Federation
ph: +36 (0) 1 47 48 100

France
ph: +33 (0) 1 41 21 44 04

Germany
ph: +49 2161 664540

India
ph: +91 (080) 6708 9999

Japan (Tokyo)
ph: 81 3 3599 7481

Korea (Seoul)
ph: +82 2 702 1601

Republic of South Africa
ph: +27 (0)11 510 0094

Singapore
ph: +65 6877 8737

Spain
ph: +34 91 633 9990

United Arab Emirates
ph: +971 4 3206688

United Kingdom
ph: +44 (0) 118 977 8000

Independent sales
consultant offices

Italy
ph: +39 (0) 2 9902 1161



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