CHRISTIE
PROJECTION SOLUTIONS

Powerful tools for
powerful experiences

CHRISTIE®

OUTSIDE THE BOX SOLUTIONS

Creating a powerful visual experience takes more than a projector. It takes a complete solution that goes beyond the box.

And that's where Christie® comes in. From our range of high-performance projectors to our powerful tools, we create solutions that are designed to work together seamlessly so you can impress, inspire, and immerse your audiences – day after day, visit after visit, show after show.

› Partner: Dead Puppet Society
Photo by Prudence Upton

Contact us

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TOOLS CREATED WITH YOUR IMAGE IN MIND

Seamlessly blended images on any surface

Christie Twist™ lets you expertly edge blend and stack multiple images seamlessly on any 2D or 3D surface. Embedded in most Christie® projectors, and activated with a complimentary software download, Twist precisely controls the geometry of single or multiple projectors through an easy-to-use grid point/mesh interface.

You can easily map pixels onto any projection surface, maintaining proper geometry and accurate pixel-to-pixel alignment.

Upgrade to Twist Premium and Twist Pro to access additional functionality for your more complex projects.

Automated camera-based alignment and recalibration

Multi-projector arrays, projection mapping, and complex screen shapes and surfaces require expert image configuration, alignment, warping and blending. Working in conjunction with Twist or Pandoras Box®, Christie Mystique™ automates the warping and blending process. At the click of a mouse, the camera-based software aligns, stacks, and blends multi projector systems in minutes with unsurpassed accuracy — saving hours of painstaking work.

Projection mapping: Perfectly aligned. Day after day.

There's nothing quite like the impact of a large-scale 3D projection mapping experience. There's also nothing quite like the intensive labor, time, and expertise it takes to correctly align and blend these types of systems. With Mystique Large Scale Experience (LSE) Edition, you benefit from automated camera-based, multi-projector alignment and blending on 3D surfaces such as buildings, landmarks, and objects.

With a couple of clicks, LSE Edition detects any changes in projector or camera position and automatically corrects the blended image. It also features markerless calibration for 3D projection mapping, eliminating the time-consuming — and often costly — need for screen or object markers.

Mystique Pro Venue Edition includes alignment for surfaces with fixed markings. When you use this feature, content aligns to a surface with known, measured markings. It's ideal for projecting on stage during live performances or projection mapping on sports playing surfaces like ice rinks or basketball courts.

Dark scenes: Made even better

Mystique's electronic black-level blending feature balances the intensity of projected black so that the black of each projector in a multi-projector array looks the same as the sum of the blacks in the overlap between projectors. It is particularly valuable for dark scenes because it results in seamless blends at the black level, ensuring that black is uniform across the canvas and creating a more immersive viewing experience. Electronic black-level blending is included in LSE Edition and is an optional add-on to Pro Venue and Premium Editions.

Simple set-ups: Made even simpler

With our complimentary Mystique Lite software and an inexpensive supported webcam, you can quickly warp and blend up to three Christie projectors on the same network in a single horizontal projector array on a flat screen. And you can easily upgrade to other tiers of the Mystique family if you need to align a larger projector array or warp, stand and blend on a more complex surface.
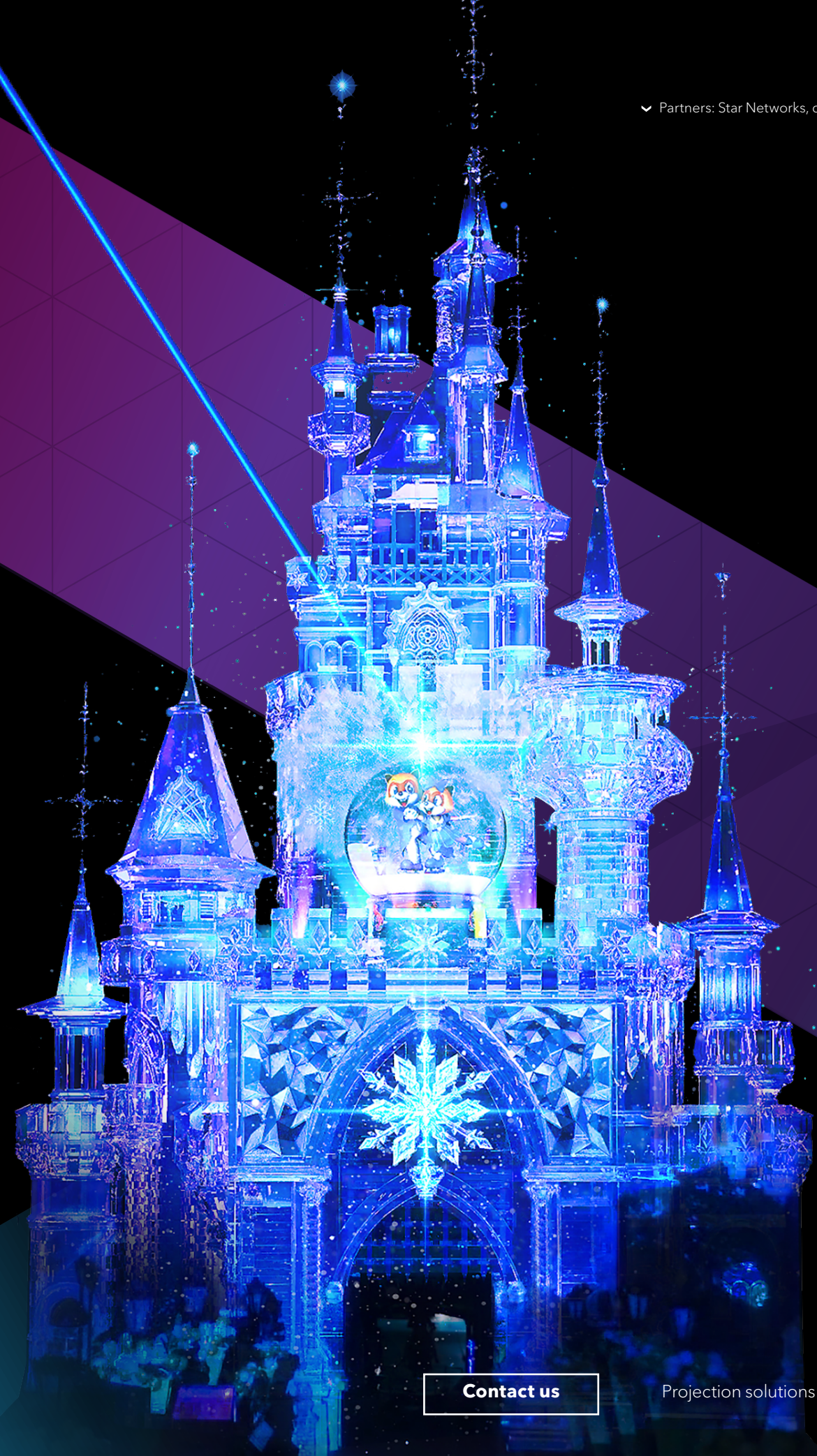
LOTTE WORLD
SEOUL, SOUTH KOREA

As the spellbinding, 3D multimedia projection mapping show dazzles guests at Lotte World, Christie® solutions are working behind the scenes of "Magic Castle Lights Up" to create the illusion of a moving castle while bringing the theme park's most beloved characters to life.

Christie Mystique™ Large Scale Experience Edition ensures the RGB pure laser projectors are in perfect alignment every night. Pandoras Box® Servers handle the large amounts of 3D content, while Terra® transmitters and receivers accurately transmit video signals to the projectors. And the video, sound, lighting, and special effects systems are automatically linked using Widget Designer with visual monitoring via a user-friendly GUI.

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OPEN A WORLD OF CREATIVE POSSIBILITIES

Christie
Pandoras Box

Everything you need for media playback, show control and interactivity

Our Pandoras Box® family of software and hardware tools power real-time video playback and processing, from single-display fixed installations to complex, multi-display spectaculars.

Cost-effective software playback and control

Create anything you want, any time, with any hardware. With Pandoras Box Software, you'll find an entire suite of features under one software license in this high-performance, budget-friendly platform. From multi-user control, timeline programming and softedge-blending and image warping to Notch integration, NDI* inputs, and native Dante audio (and much more!), Pandoras Box Software equips you to create outstanding AV experiences or simply work more efficiently with everything it offers. The Playlist feature makes it easy to play multiple media files in a row, as well as unlimited graphics layers, uncompressed playback of HD60 files, and professional-grade NVIDIA Quadro GPU.

State-of-the-art rendering technology with intuitive media and show control

Featuring an incredibly powerful and versatile render engine, Pandoras Box Server enables you to project onto any shape or surface and maintain the integrity and quality of your content. With zero compression and no artifacts, the Server supports up to 8K and above uncompressed video playback at 60fps for high resolution at its best quality. For high frame rate applications, uncompressed content can also be used with up to 240fps. And 10-bit color depth overcomes color banding issues for truly stunning and flawless color reproduction and overall image quality.

Versatile compact media player

Small in size but big on performance, reliability, and power, Pandoras Box Compact Player is a built-to-order, hardware-based media player designed to meet your performance and budget requirements. Compact Player has four up to 4K HDMI 2.0 signal outputs among its long list of features.

Customized show control

Christie® Widget Designer is an advanced control surface creation framework that lets you create dedicated user interfaces and interaction logic by connecting visual control components. What does that mean for you? A rich feature-set for visual node-based programming allows you to create customized show-control scenarios, and adding simple scripting makes programming more efficient and powerful. Widget Designer's intuitive interface enables even non-programming specialists to create truly immersive interactive experiences.

Touch-free interactivity control

Easily bring your projects to life on any surface with Christie AirScan. Its motion-control user interfaces enable you to design and integrate interactive displays that let you navigate menu-based multimedia presentations in any environment. You can trigger actions to happen, or move and interact with virtual objects in projects like educational museum exhibits or interactive theme park experiences. Combining AirScan with Widget Designer creates opportunities to interact with digital content in ways that aren't possible with traditional displays.

Real-time tracking devices

Easy to set up, Pandoras Box ID Tags are real-time tracking devices for interactive projections, camera automation, audio tracking, stage tracking, and lighting controls. Using an optical transmission system, ID Tags are more effective than traditional radio-based control setups. Each tag can be addressed with a unique ID and you can track up to 256 unique IDs within a single setup in real time! When used with Widget Designer, you can create the control setup and set individual setting and lighting modes.

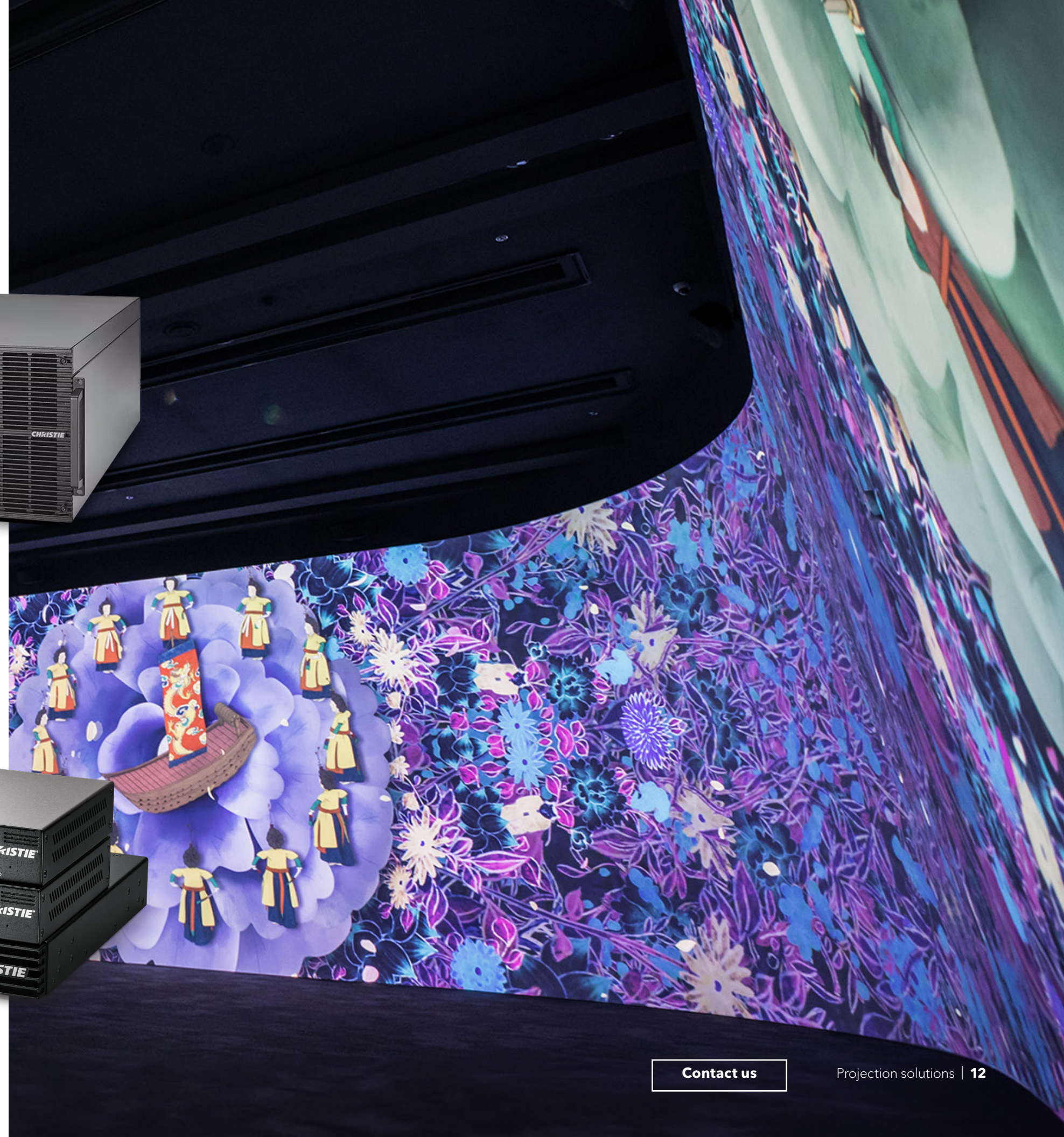*NDI® is a registered trademark by NewTek Inc.

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THE ULTIMATE
MULTI-SCREEN WINDOWING PROCESSOR

Create spectacular experiences with 80-megapixel processing power in true 4K at 60 Hz across multiple displays with Christie® Spyder X80, the undisputed leader in multi-window processing. As the tool trusted by professionals for the most demanding applications, Spyder X80 enables the creation of spectacular, never-before-seen visual experiences.

DESIGN FEATURE-RICH
SDVOE SYSTEMS

Christie Terra® solutions let you design and integrate feature-rich SDVoE (Software Defined Video over Ethernet) systems that deliver the ultimate in quality and performance at a drastically lower total cost of ownership. You can directly integrate our Terra transmitters, receivers, and controllers into 1DLP®/3DLP® projectors with uncompressed, zero-frame latency, artifact-free content over 10G networks to deliver an uncompromised AV-over-IP experience.

› Partners: Star Networks, MOFAC
   Photo courtesy of the National Museum of Korea

ELEVATE THE EXPERIENCE WITH HIGH FRAME RATES

High frame rates improve fast motion video and fast camera panning by reducing or eliminating motion blur and judder, resulting in sharper and more realistic dynamic imagery, and lessening motion sickness that may occur in some high-performance, immersive projection environments.

Our standard 3DLP® projectors deliver 4K at 60 Hz operation, while the optional Christie® Mirage firmware upgrade makes it possible to have 2D content at 4K 120Hz and 3D content at 60 Hz per eye. The Mirage Pro option provides the same benefits as Mirage, plus 2K resolution 2D content at 240-480 Hz (scaled) and 2K resolution 3D content at 120 Hz per eye.

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DELOITTE
LISBON, PORTUGAL

A 360-degree screen set the stage for Deloitte's IRGAwards (Investor Relations and Governance Awards). The visuals took guests on an immersive journey through different urban, forest, and oceanic settings before reaching the inside of a space station.

Europalco chose a fully integrated Christie® solution with eight 3DLP® 30,000 lumen 4K projectors spaced out around a circular truss and embedded Christie Twist™ software to make warping and blending faster and easier. Video sources were synchronized with a Pandoras Box® Server and a powerful Spyder X80 multi-screen processor controlled the various signals, including the projectors, live PiP cameras, Pandoras Box Server, teleprompter, and videos.

SIMPLIFY
MULTI-PROJECTOR
CONTROL

With Christie® Conductor software, you can monitor and control up to 256 Christie 3DLP® projectors on the same network from your laptop. The user-friendly interface allows you to instantly see exactly which ones require attention. Features include the ability to automatically power-up or -down projectors, view the Web UI for any projector, make remote firmware upgrades of many projectors at once, and perform health checks via list and status map. Conductor is available as a complimentary software download.

THERE'S MORE IN
THE TOOLBOX

Christie Intelligent Camera (CIC) makes it faster and easier to achieve your desired image quality with select Christie 1DLP® projectors. Use CIC to trigger autofocus, automatically calibrate projector color, and adjust the image color to fit the color of the projection screen better. Pair it with our complimentary Mystique™ Lite software to automate the warping and blending of up to three projectors in a horizontal array.

Christie Link transmitter offers full bandwidth point-to-point fiber capabilities supporting up to 40 Gbit/s on a single cable. You can easily send high-bandwidth signals (up to 4K 120 Hz) over long distances up to 6.2 miles (10km) directly into the projector without latency or compression*. Designed for use on our Griffyn® Series and M 4K RGB Series projectors, Link can manage EDIDs throughout the entire system to help ensure reliable performance.

CHICO ALBUQUERQUE MUSEUM OF IMAGE AND SOUND
FORTALEZA, BRAZIL

Using a full range of Christie® integrated solutions, Museum of Image and Sound created an engaging multimedia experience for their visitors. The museum's revamped immersive room features over 10 million pixels of content blended onto the four walls with eight Christie GS Series 1DLP® projectors and onto the floor with two HS Series projectors.

To manage the projection and fill the space uniformly, they used Pandoras Box® Server and Widget Designer, along with Mystique™ camera-based alignment and recalibration software to make it easy for the museum to quickly align the projectors. The stunning result is a sensation of total immersion.

Contact us

BY YOUR SIDE, WORLDWIDE

An end-to-end solution isn't complete without a team behind you to help make sure you're getting the most out of your investment and to prolong the life of your Christie® products.

Industry-leading warranties

In addition to our comprehensive standard limited warranties, we stand behind our products with industry-leading warranty and service programs, including refurbished and extended warranties. And Christie-certified technicians are ready to help with your repair enquiries, warranty replacements, and onsite field service and factory repairs.

The support and service you need

Working alongside our extensive global partner network, Christie Professional Services has the capabilities to safeguard your investment. We're ready to support you with immediate technical support, reliable onsite services, remote monitoring and management, and ChristieCare extended hardware coverage.
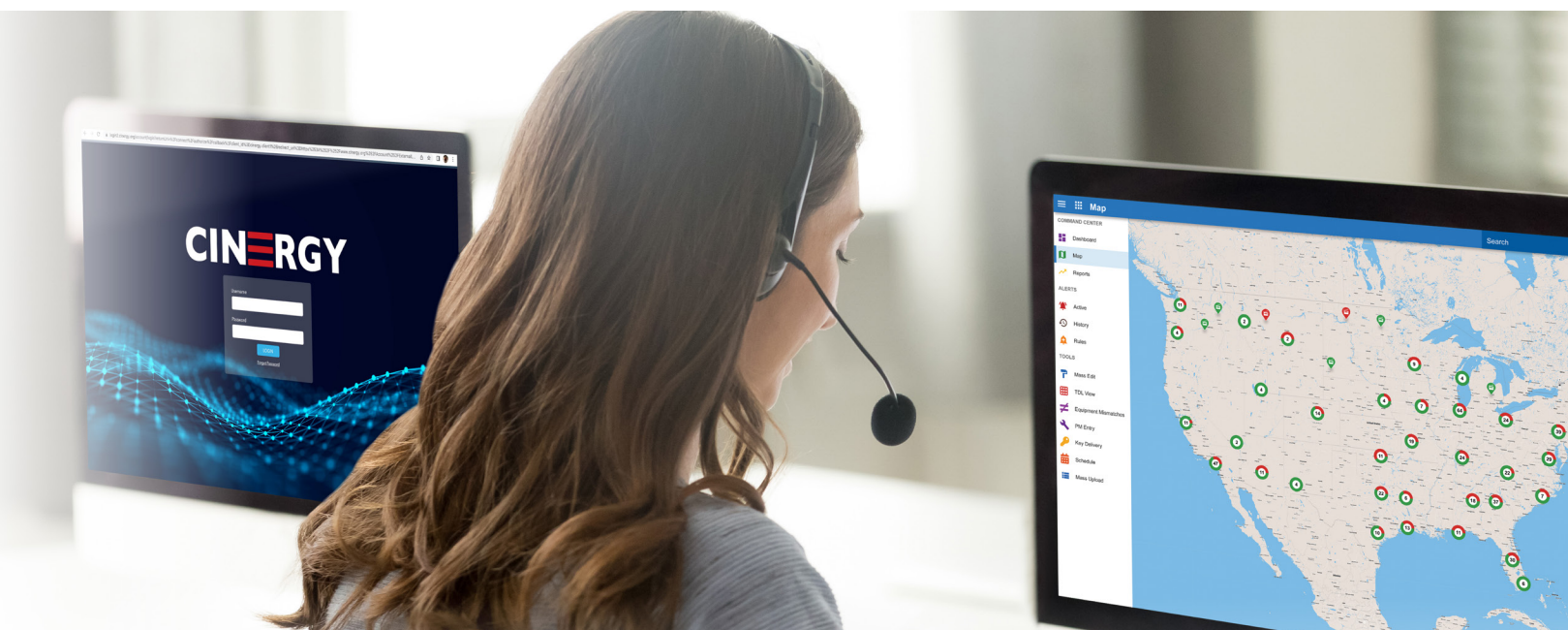
The value to you

› Increase and optimize system life, safeguarding your investment

› Lessen the burden on your support staff: think of us as an extension of your AV/IT personnel

› Augment your service capabilities and geographic reach to grow your business

› Ensure full continuity of service with highly skilled technicians to support complex solutions

⌃ Using the latest in predictive maintenance tools and Cinergy, our remote monitoring and management software platform, our team spots potential issues before they impact your display system and provides advance notice of software upgrades for timely maintenance.

Complete system protection. Maximum flexibility.

Ok, ChristieCare isn't a product – it's our solution to safeguard them! Offering complete system protection and maximum flexibility, our wide range of extended warranty plans ensures coverage that's tailored just for you. Experience the peace of mind that comes along with ChristieCare for up to 10 worry-free years of ownership and beyond, including 24/7/365 service desk support, critical inventory management, onsite services, and Cinergy remote monitoring.

DESIGNED TO WORK TOGETHER

When it comes to Christie® projection solutions, you have an array of options. See how you can bring it all together to create a solution tailored to your needs.

	1DLP				3DLP		
	Inspire Series	GS Series	Jazz Series*	HS Series	Crimson WU31	M 4K RGB Series	Griffyn Series
Built-in Twist warping and blending	✓	DWU880-GS DWU1100-GS DWU1400-GS	✓	✓	✓	✓	✓
Mystique camera-based alignment and recalibration software	✓		✓	✓	✓	✓	✓
Pandoras Box media servers and players	✓	✓	✓	✓	✓	✓	✓
Spyder X80 multi-screen windowing processor	✓	✓	✓	✓	✓	✓	✓
Mirage and Mirage Pro high frame rate options					✓	✓	✓
Conductor monitoring and control software					✓	✓	✓
Terra SDVoE solutions	✓	✓	✓	✓	✓	✓	✓
Christie Intelligent Camera accessory	✓	DWU880-GS DWU1100-GS DWU1400-GS	✓	✓			
Christie Link transmitter					✓	✓	✓

* Jazz Series is available for order in APAC and EMEA now and will be available in the Americas later in 2024.

BRING YOUR VISION TO LIFE

From the simplest set-up to complex, jaw-dropping 3D projection mapping spectaculars, Christie® has the tools and technology you need to bring your vision to life.

Our integrated solutions go outside the box by combining our range of high-performance projectors with powerful tools. They work together seamlessly to help you create powerful experiences that your audience won't forget.

WE'RE HERE TO HELP

There's a lot to consider when creating an integrated projection solution, but it doesn't need to be a difficult process. Contact us, and we'll put you in touch with a Christie expert who can help you explore your options and choose the right tools for your next project.

Contact us!

Contact us

CHRISTIE®

christiedigital.com

DLP
TEXAS INSTRUMENT

TruLife
Reality Inside