ENLIGHTV

Inspire Art with Technology

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SHOWCASE

hecoos

1. Previz and Simulation

From Simulation to Reality in University Lecture Halls

- Previsualization: Hecoos server provided 3D simulations based on the project plan, focusing on functionality and visual effects for the audience.

- Audiovisual Experience: Ensured the lecture hall delivers an immersive, high-quality experience for the audience.
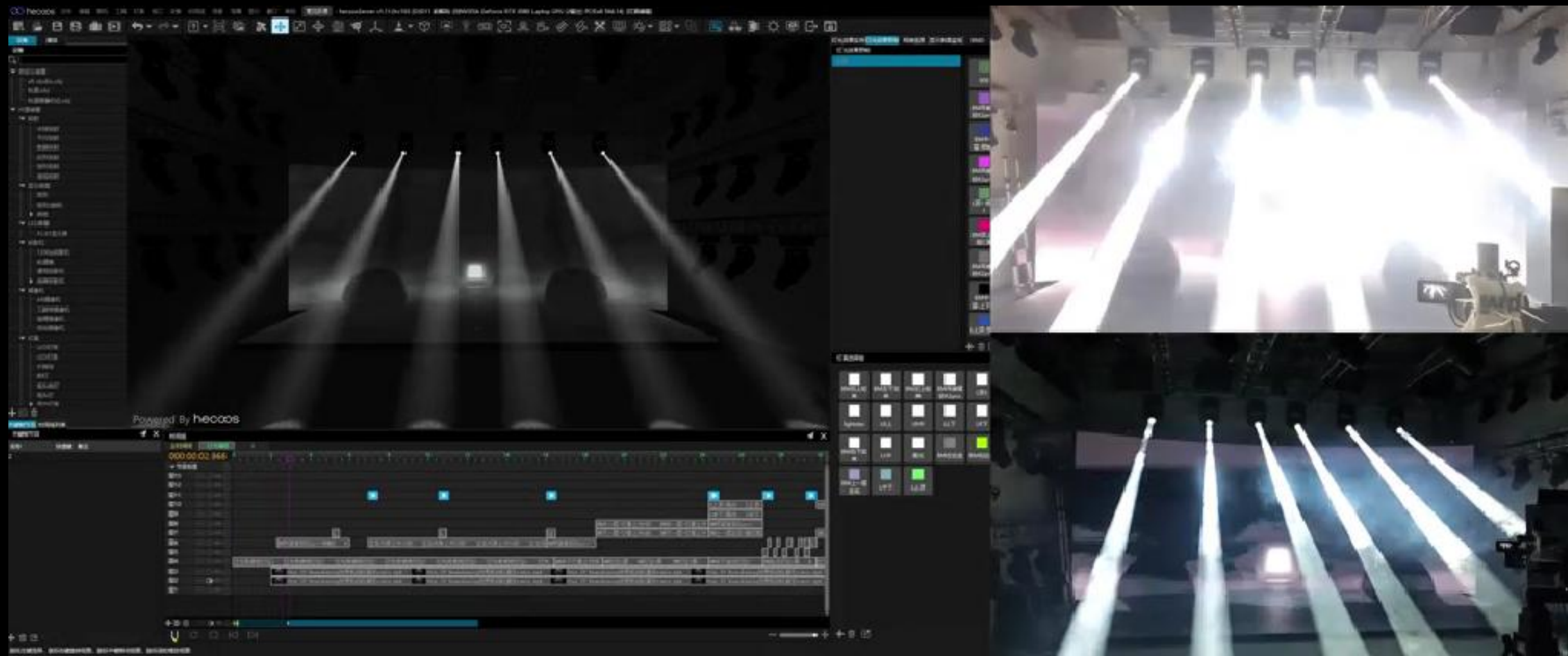

[Video](#)

The 64th Eurovision Song Contest

- First-ever involvement of a Chinese team in visual design.

- Hecoos software provided full-project preview support.

- Empowered world-class stage and visual standards.

Previz effect   [Video]

2. Projection Mapping

Super Time Space Cube

- Media Servers: Three Hecoos servers powered six 4K LED screens with synchronized playback control.

- Spherical Projection: Used for panoramic videos on arched LED screens.

- Precision Control: Achieved accurate alignment and alien broadcasting

Video

Saudi Arabia Spherical Projection

- One hecoos server and three projectors.

- Fusion Optimization: Reduced fusion band selection for better detail management with fewer projectors.

- Accuracy: Achieved precise alignment using base projection back calculation of the model.

- Solution: Effectively handled the irregular surface of the spherical screen.

Video

Immersive Hall Dome Projection

- Real-time Output: 3 Hecoos servers output 19 2K signals.
- Precision Mapping: Used projection back-calculation to position 19 projectors and perform image fusion.
- Spherical Adjustment: Hecoos's mapping function ensured grid alignment for smooth visuals.

Video

3. Playback and Connection
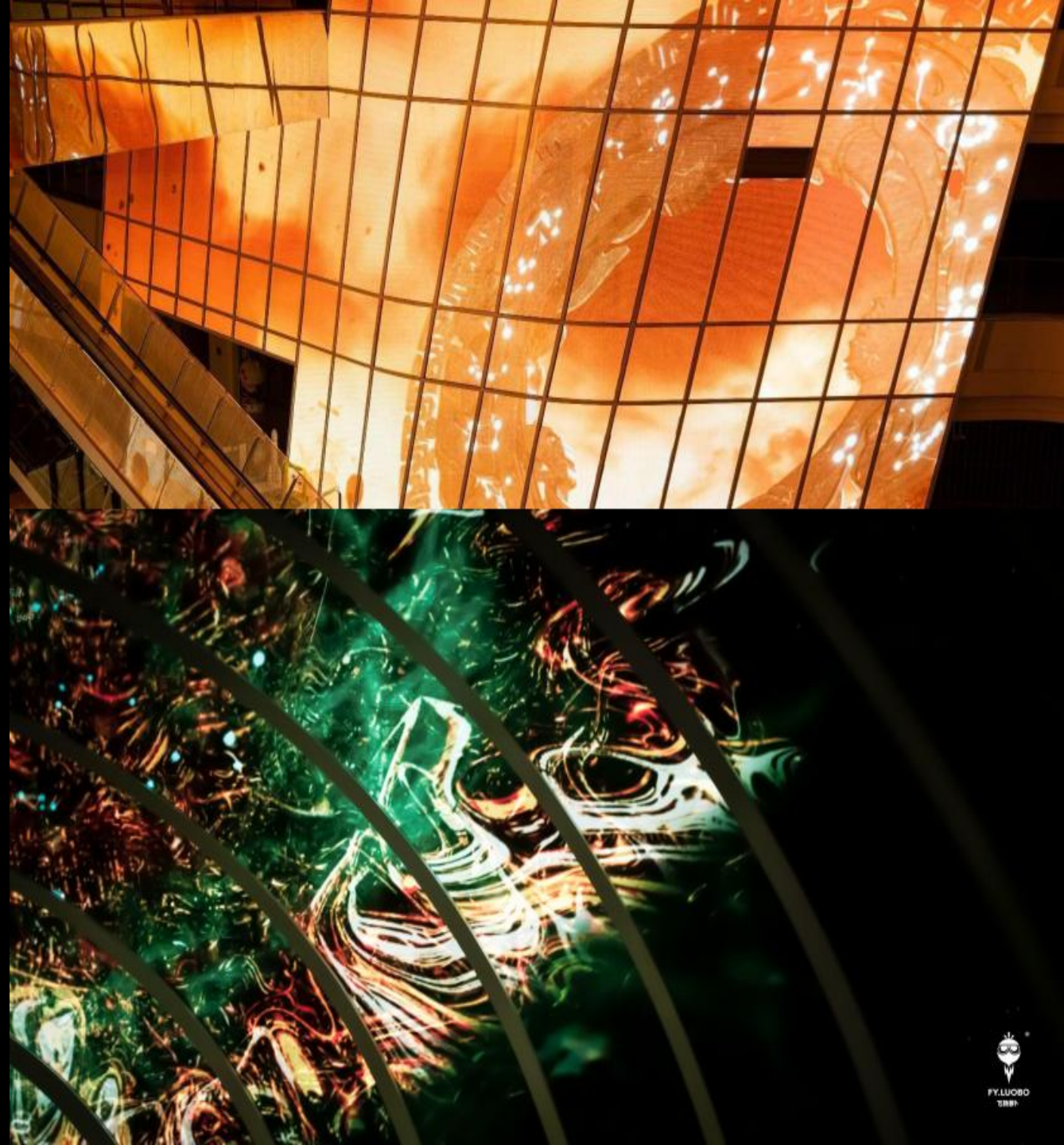
Large-Scale Music Festivals

- Projector and Screen Control: Six Hecoos servers managed nine projectors and LED screens.

- Digital Human Overlay: Presented host segments with alpha channel mov digital humans.

Video

Bringing "Hong Song" and "Tracery Reverie" to Life

- LED Screen Display: Powered high-resolution butterfly screens for "Hong Song."
- Dome Projection: Managed the six-layer dome screen for "Tracery Reverie."
- Precision Playback: Delivered detailed, lifelike visuals for both works.

Spectacular Large-Scale Stage Performance

- Projection Control: Five servers managed output devices.

- Primary-Backup Mode: Two servers ensured seamless performance.

- Stage Security: Hecoos delivered stable and reliable operations.

Video

Angela Zhang's "Fable" Concert

- Centralized Control: Hecoos media servers seamlessly managed the concert's lighting, screens, and audio consoles, ensuring synchronized and precise operation across all systems, enabled a visually stunning and immersive concert experience.

[Video](#)

4. XR: Virtual Production

Anniversary Commemorative Program for QQ Dancer

- Surreal Performance Integration: Hecoos xR created an interactive virtual stage for real and virtual idols to perform together.

- Curved Screen Presentation: Managed the virtual concert on a curved screen using rocker arm and orbital positions.

[Video](#)

Product Launch Online for OPPO Reno 4

- Seamless Projection Fusion: Integrated 10 projectors to create a continuous bowl-shaped screen.

- Optimized Visual Effect: Minimized shadows and ensured uninterrupted visuals with precise optical path design.

- Immersive 3D Mapping: Used projection techniques for automatic blending and depth, creating a high-resolution, immersive experience.

Video

Scene restoration to The 2-D 'Webcomic World'

- Lens Transformation Tracking: Used optical tracking with a rocker arm and gimbal positions to restore split lens animations.

- Interactive Performance Environment: Enabled actors to sing and dance seamlessly in a dynamic, immersive setting.

Video

Engaging Sci-Fi Short Film

- Curved Screen Power: Three servers managed a 100m² curved screen with seamless input integration.

- Real-Virtual Integration: Processed MOCO robotic arm data for flawless blending of real and virtual scenes.

Video

Contact Us

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