

Corporate Hybrid Auditorium, France

Case Study

A Flexible AV-over-IP Solution for Large-Scale Hybrid Corporate Events

The organization is committed to delivering impactful communication across a wide range of corporate activities, including internal training, executive briefings, and large-scale events. By modernizing its AV infrastructure, it aims to deliver consistent, high-quality experiences for staff, guests, partners and other stakeholders—while ensuring scalability, adaptability, and long-term value for its evolving business needs.

“Your Success, Our Focus”

Helping our customers grow and creating value for them is at the core of Lumens' philosophy — and that's why your success is always our focus.



2. Customer Request

1. Spaces That Adapt to Us, Not the Other Way Around

Meeting spaces need to be highly flexible ready to transform instantly to accommodate different uses. The AV technology must support dividing the main auditorium into three independent breakout rooms for training or combining them into a single space venue for town hall meetings, without complex signal routing or system re-configuration.

2. "Walk Up and Work" Simplicity for Hybrid Meetings

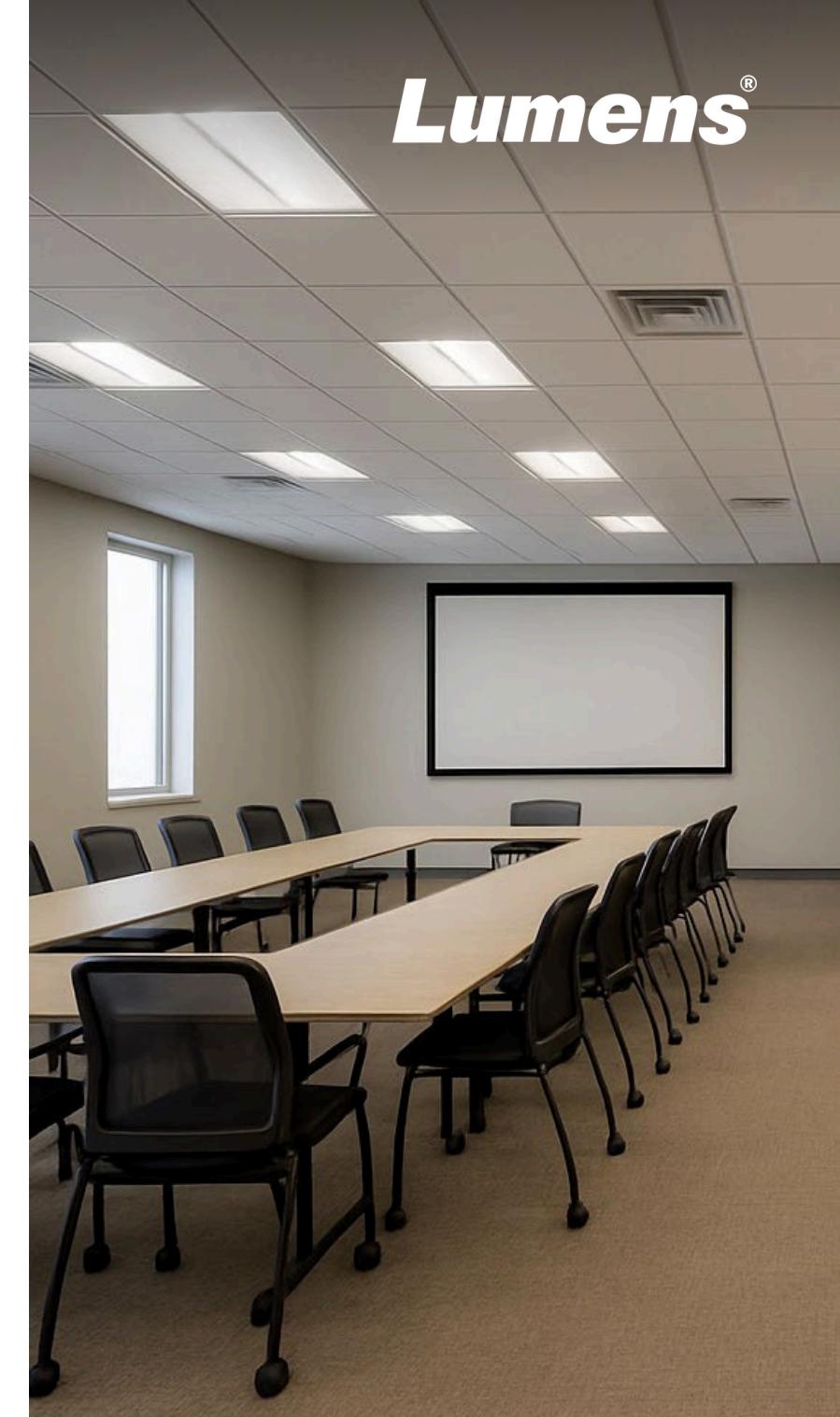
To bridge the gap between in-person and remote employees, the organization embraced the concept of "Bring Your Own Meeting" (BYOM). Presenters should be able connect their laptop wirelessly, and immediately host Microsoft Teams or Zoom sessions that utilize the room's high-end cameras and audio. The experience had to be seamless, eliminating the friction often associated adding devices to the network.

3. Broadcast Quality Without a Video Crew

A key requirement was for professional-grade video and audio, based on automated equipment and intuitive interfaces. The customer installed cameras with AI intelligence to automatically track presenters' movement, ensuring they are always in focus. There were additional requirements for multi-source recording and live streaming of product launches and training without needing a large production team.

4. Centralized Control for Peace of Mind

Finally, security and management were key drivers. The IT team required a centralized management dashboard to monitor device health, manage access permissions, and control the environment remotely. The ultimate goal was to reduce operational overhead and complexity, allowing staff to focus on delivering successful events rather than troubleshooting technology.



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*AI-generated illustration.

3. The Lumens Solution

1. Instant Space Transformation (OIP Matrix Transmission)

Using the Lumens OIP Bridge AV over IP system, the auditorium act three independent meeting rooms or a single large event venue. The signal routing enables seamless switching without the need for physical re-wiring, perfectly meeting the needs of a multi-purpose space.

2. Walk-Up-and-Work Meetings (Wireless BYOM)

By combining Barco ClickShare with Lumens OIP Bridge, employees can wirelessly connect laptops to the room's professional IP cameras and microphones with a single click. This allows them to launch Teams or Zoom immediately, eliminating the need to connect cables and configure hardware.

3. AI Video & Professional Audio (AV Integration)

Lumens VC-TR61 Camera features built-in AI that automatically tracks the presenter, removing the need for a human operator. This is paired with a processor (DSP) that optimizes audio signals from microphones, ensuring high-quality sound for both local and remote listeners.

4. Effortless Recording & Control

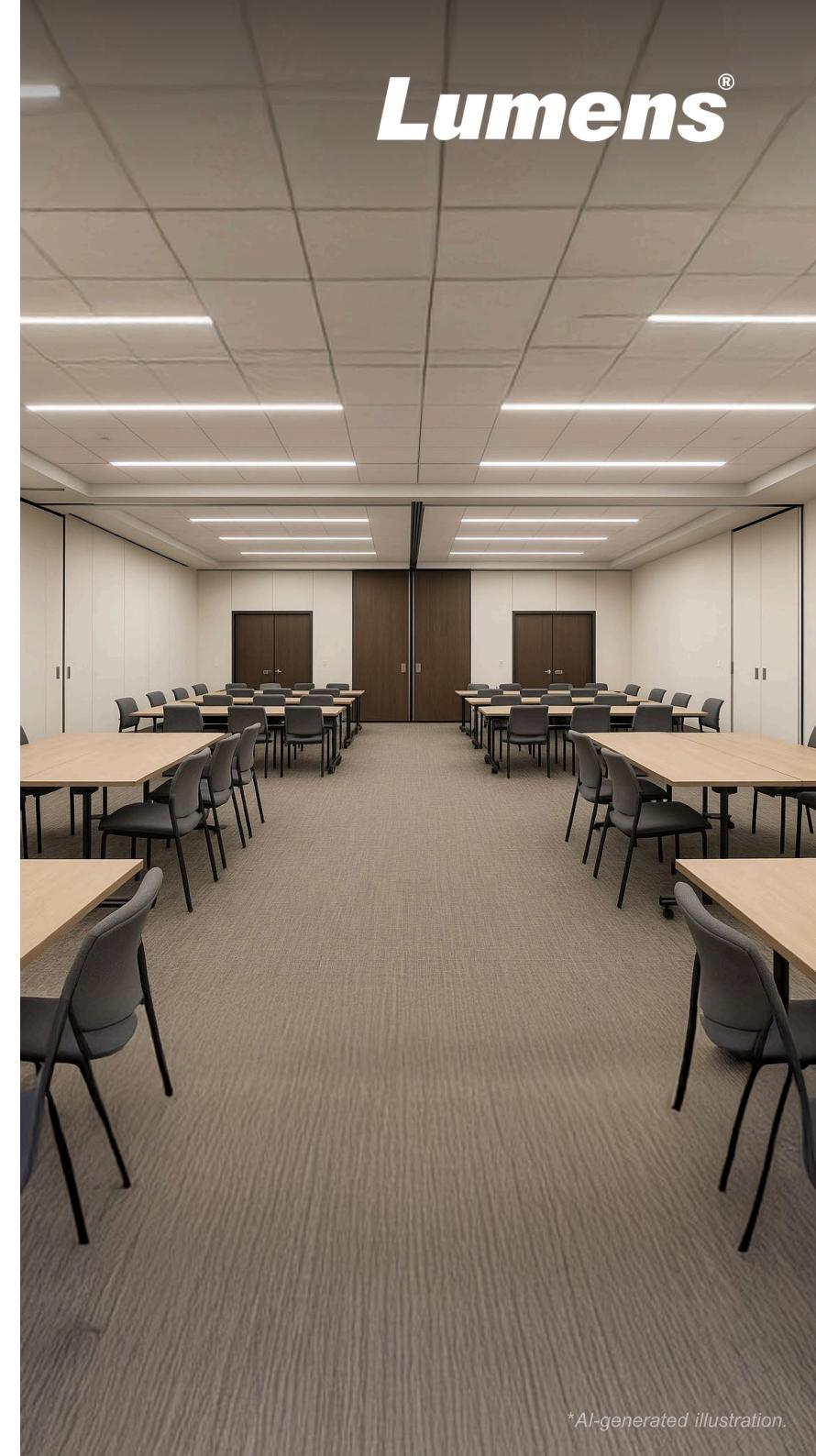
The CaptureVision LC200 System handles recording, source switching and live streaming in a single device. Furthermore, all equipment can be centrally monitored and managed via touch panels and the Lumens Deployment Tool, making daily operations simple and efficient.

4. Customer Feedback

Lumens solution enabled the organization to upgrade its corporate auditorium into a future-ready hybrid environment that supports efficient communication, interactively and business growth. The space now enables seamless interaction between in-room and remote participants, while allowing employees to use their own devices for quick and intuitive content sharing.

Built on a scalable IP-based architecture, the solution delivers reliable performance, simplified management, and long-term flexibility. Automated video production, recording, and streaming reduce operational overheads, assisting teams to work efficiently and collaboratively. For management, the result is a strategic investment that improves efficiency, minimizes complexity, and supports the business' evolving needs.

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5. Products



**Lumens
VC-TR61**

1. The Virtual Camera Operator

Equipped with built-in artificial intelligence, this camera automatically detects and smoothly tracks the presenter as they move. It ensures the speaker remains the focal point of the video without requiring a human to manually control the camera.



**Lumens
VC-BC601P**

2. The Context Capture

Tasked with capturing audience views or wide-angle shots of the venue. It works in tandem with the tracking camera to provide remote viewers with an immersive, multi-angle visual experience.



**Lumens
OIP Bridge**

3. The Connectivity & Hybrid Backbone

These AV over IP devices form the system's core. The OIP Series enables low-latency signal routing and the instant switching between room layouts, while the OIP Bridge connects user laptops to the IP network. OIP Bridge encoders and decoders deliver both flexible space management and instant "Bring Your Own Meeting" (BYOM) readiness for Teams or Zoom.

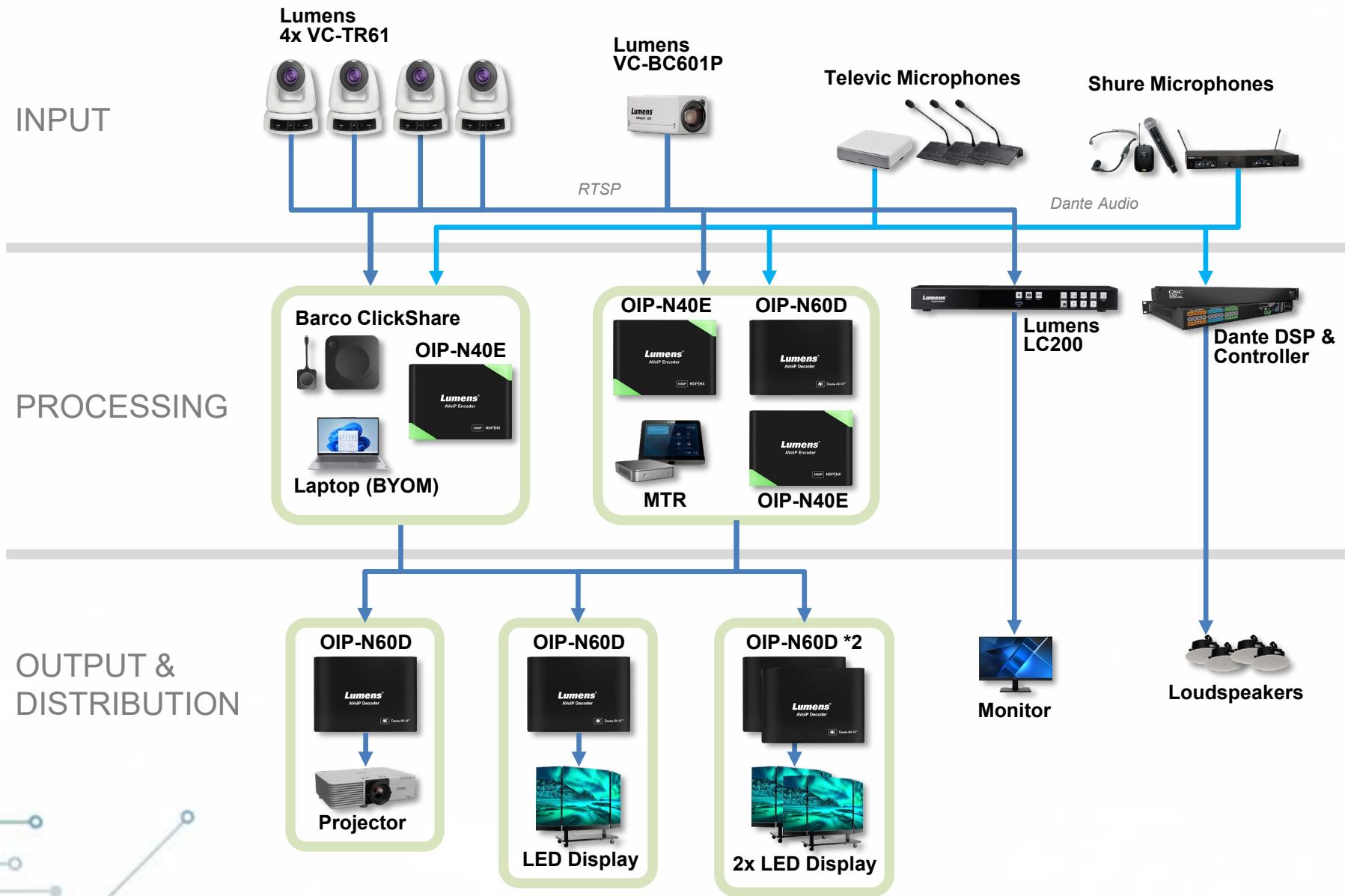


**Lumens
LC200**

4. The Multimedia Studio

A versatile media processor that handles recording, streaming, and switching simultaneously. It captures multiple sources (such as video inputs and presentation slides), provides branded custom screen layouts, and streams events live to the Internet, making it the core tool for corporate training and archiving.

6. Solution Architecture



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