Visual Synergy

Avison Young Case Study

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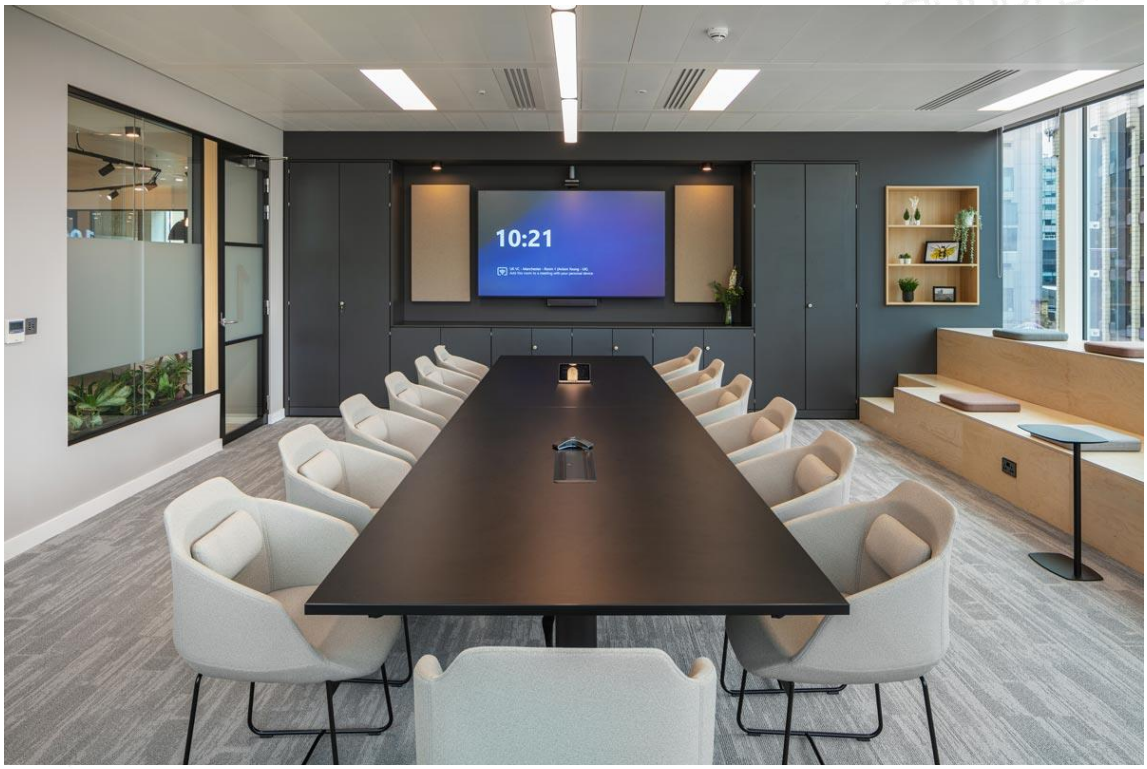
Comprehensive AV System Relocation and Upgrade for Corporate Headquarters

Project Overview

Our client, a multinational corporation, undertook a strategic office relocation involving the decommissioning, transport, and reinstallation of AV systems across multiple meeting rooms. The goal was to provide seamless hybrid collaboration capabilities while optimising costs through equipment reuse and system upgrades.

Project Scope

- Decommission and relocate AV equipment from the existing headquarters to the new corporate site.
- Deploy dedicated **Yealink Microsoft Teams Rooms (MTR) systems** in collaboration rooms requiring native Teams experience.
- Deploy **Q-SYS integrated AV processing and control systems** in separate meeting spaces to deliver advanced audio, video, and control capabilities.
- Reuse as much existing AV equipment as possible to minimise costs and environmental impact.
- Upgrade network infrastructure and install complementary peripherals for improved user experience.
- Ensure minimal downtime and disruption through detailed planning and phased execution.



Phase 1: Planning and Site Survey

- Conducted comprehensive site surveys at both old and new locations to audit existing AV equipment, infrastructure, and room layouts.
- Categorised rooms by usage patterns and technology needs, identifying which would host Yealink MTR systems and which would be fitted with Q-SYS integrated AV.
- Created detailed asset lists to plan equipment decommissioning, transport, and reinstallation logistics.
- Coordinated with IT, facilities, and end users to define timeline constraints and room availability.

Phase 2: Decommissioning and Equipment Preparation

- Systematically decommissioned AV equipment room-by-room to avoid operational disruption.
- Carefully disassembled Yealink Teams Rooms kits including MVC series cameras, microphones, MCore Pro PCs, and touch panels.
- Removed Q-SYS Core 110F processors, NV-21-HU encoders/decoders, pendant speakers, and Sennheiser Team Connect microphones with full cable labelling for efficient reinstallation.
- Packaged sensitive electronics securely for safe transport.
- Assessed condition of all equipment; identified items requiring servicing or replacement.
- Documented and updated asset inventory throughout the process.

Phase 3: Network and Infrastructure Upgrades at New Site

- Installed new network backbone with Netgear M4250 managed PoE switches designed to support AV device power and data requirements.
- Installed structured cabling for AV devices, ensuring appropriate bandwidth and low-latency connections.
- Mounted Samsung and Philips commercial displays, with appropriate mounting solutions from Visual Synergy to maximise aesthetic and ergonomic factors.
- Integrated Barco ClickShare wireless presentation systems in key collaboration rooms.

Phase 4: Installation and Integration

Yealink Microsoft Teams Rooms Deployment

- Installed Yealink MVC400, MVC500, MVC640, and MVC860 systems in 15 rooms designated for Microsoft Teams collaboration.
- Set up MCore Pro mini PCs, wireless expansion microphones, and touch control panels.
- Configured each room's Yealink system for optimal camera framing, audio pickup, and Teams account integration.
- Conducted user training sessions to facilitate seamless adoption of Teams Rooms functionality.

Q-SYS Integrated AV Deployment

- Installed Q-SYS Core 110F processors in 20 rooms requiring advanced AV processing and control.
- Deployed QSC Acoustic Design pendant speakers and JBL Control speakers tailored to room acoustics.
- Mounted ceiling Sennheiser Team Connect beamforming microphones for clear, hands-free audio capture.
- Configured Q-SYS NV-21-HU encoders and decoders to enable AV-over-IP video routing.
- Programmed Q-SYS control interfaces with custom room automation and simplified user control panels.

Phase 5: Testing, Commissioning, and Handover

- Performed extensive testing of Yealink MTR systems for audio clarity, camera tracking, Teams meeting functionality, and wireless microphone range.
- Conducted Q-SYS system validation including audio DSP tuning, video switching integrity, and control system reliability.
- Coordinated simultaneous AV system tests with network and IT teams to validate interoperability.
- Provided detailed handover documentation, including system schematics, user guides, and maintenance schedules.
- Delivered onsite training workshops and remote support during initial user adoption phase.

Outcomes and Benefits

- Successful relocation and upgrade of AV systems with zero meeting room downtime exceeding 48 hours.
- Cost savings of approximately 30% by reusing high-value AV components and minimising new hardware purchases.
- Enhanced hybrid meeting capabilities via dedicated Yealink Teams Rooms optimised for Microsoft 365 environments.
- Advanced AV control and integration with Q-SYS delivering scalable, high-quality audio and video experiences.
- Future-proof network and AV infrastructure supporting easy expansion and technology upgrades.
- Strong user satisfaction demonstrated through post-deployment surveys and increased room utilisation.