SOFTWARE-BASED AUTOMATION AND DESIGN FOR DIVISIBLE ROOMS

Veritas

Veritas Discovers the True Benefits of the Q-SYS Platform

📍 Pune, India

Digital transformation is a concept that data management giant Veritas has spearheaded in hundreds of organizations. In fact, today ninety-four percent of Fortune 100 companies rely on Veritas to reveal data insights that drive competitive advantage across the globe. Their largest facility in Southeast Asia (a massive 232,000 square feet) stands as a hub for talent as well as a focal point for future growth, but it needed a major audio, visual and control overhaul to support such goals.

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>
> **Mradul Sharma**
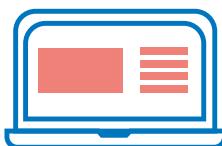> *Managing Director of 3CDN Workplace Tech Pvt Ltd.*

Challenges

Though founded in California, the reach of Veritas can be felt internationally, and they've expanded in kind to continue providing the highest quality of service. Their Southeast Asian facility, inherited from an important acquisition, did not meet with the high Veritas standards for employee experience or for their tech-forward brand. The team selected Q-SYS to support them with their mission. The vision: to allow audio and visual technology to take center-stage, providing a streamlined aesthetic and experience for employees, all while supporting a bring-your-own-device culture. "We wanted to have a seamless design – one involving the least number of boxes possible," stated Mradul Sharma, Managing Director of 3CDN Workplace Tech Pvt Ltd. "Yet at the same time, it needed to meet our extensive requirements. We could not find any solution on the market to equal Q-SYS. And thankfully for us, Q-SYS easily integrates with Microsoft Teams and Zoom so there were no compatibility issues to consider."
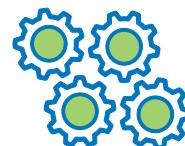
Software-Focused

Stakeholders recognized that less is more, requiring that hardware be kept at a minimum to achieve their lofty goals.
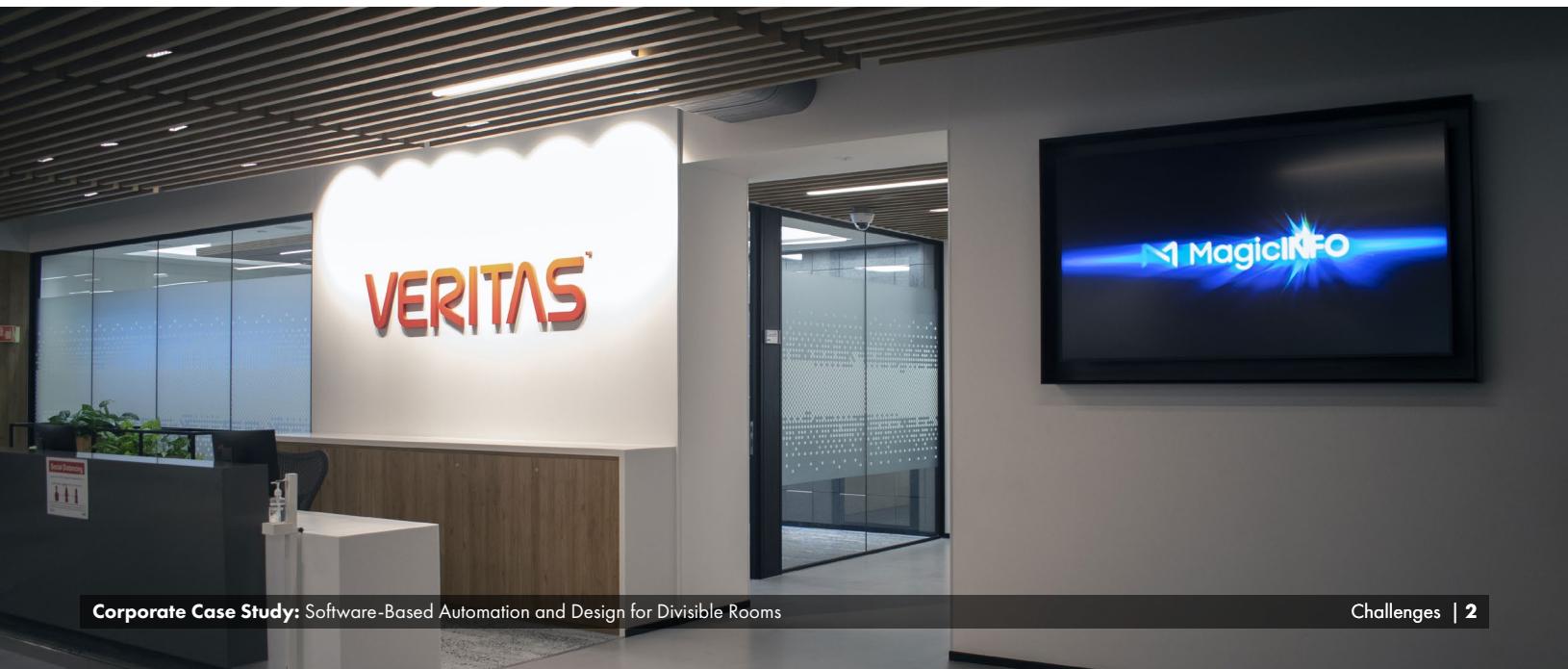
Bring-Your-Own-Device Friendly

The room needed to accommodate for a corporate culture that allowed a variety of web conferencing solutions run through individual laptops.

Easy Automation

They required a system allowing for easy automation of audio, visual and environmental elements.

Solutions

After an extensive evaluation process, Veritas partnered with 3CDN as the principal consultants and Godrej AV Solutions as the AV systems integrator. Together they developed concepts for a host of areas – one of the most nuanced being their divisible space, or multipurpose room. This space consists of a total of three rooms that can be combined to accommodate a wide variety of use cases, including town halls, allhands meetings and training events. Some of these events necessitated broadcasting to other offices as well as different floors of the same building.

Flexible quality, integrated controls

The team selected the Q-SYS Core 110f integrated processor to handle local automation of the room's audio, video and environmental elements. This includes AV factors such as the sound system and wireless microphones, as well as multiple Q-SYS PTZ-IP Conference Cameras, which are easily managed via Q-SYS. Specific automation examples include powering the video walls, handling the camera privacy mode, enabling microphone mute and unmute, and setting default audio levels – all designed for an improved user experience. The team also took advantage of the room combiner feature within Q-SYS Control. This gives them configuration flexibility when combining or separating audio signals depending on the air wall arrangement.

Building a solid foundation

The system leverages a Q-SYS I/O Frame (now available as the updated QIO Series network I/O expanders) to physically locate input and output connections to nearby sources and destinations, and offers up to four I/O cards enabling up to 16 channels of input and/or output. The team also added a Q-SYS CDN64 Dante Bridge Card to provide a link for up to 64x64 channels from any of their Dante edge networks. To avail themselves of best-in-class networking solution, the team selected the Q-SYS NS Series network switch. This provides plug-and-play capability to meet any Q-SYS, AES67 or Dante performance requirements with no configuration necessary, equaling faster overall deployment.

Courtesy of Veritas
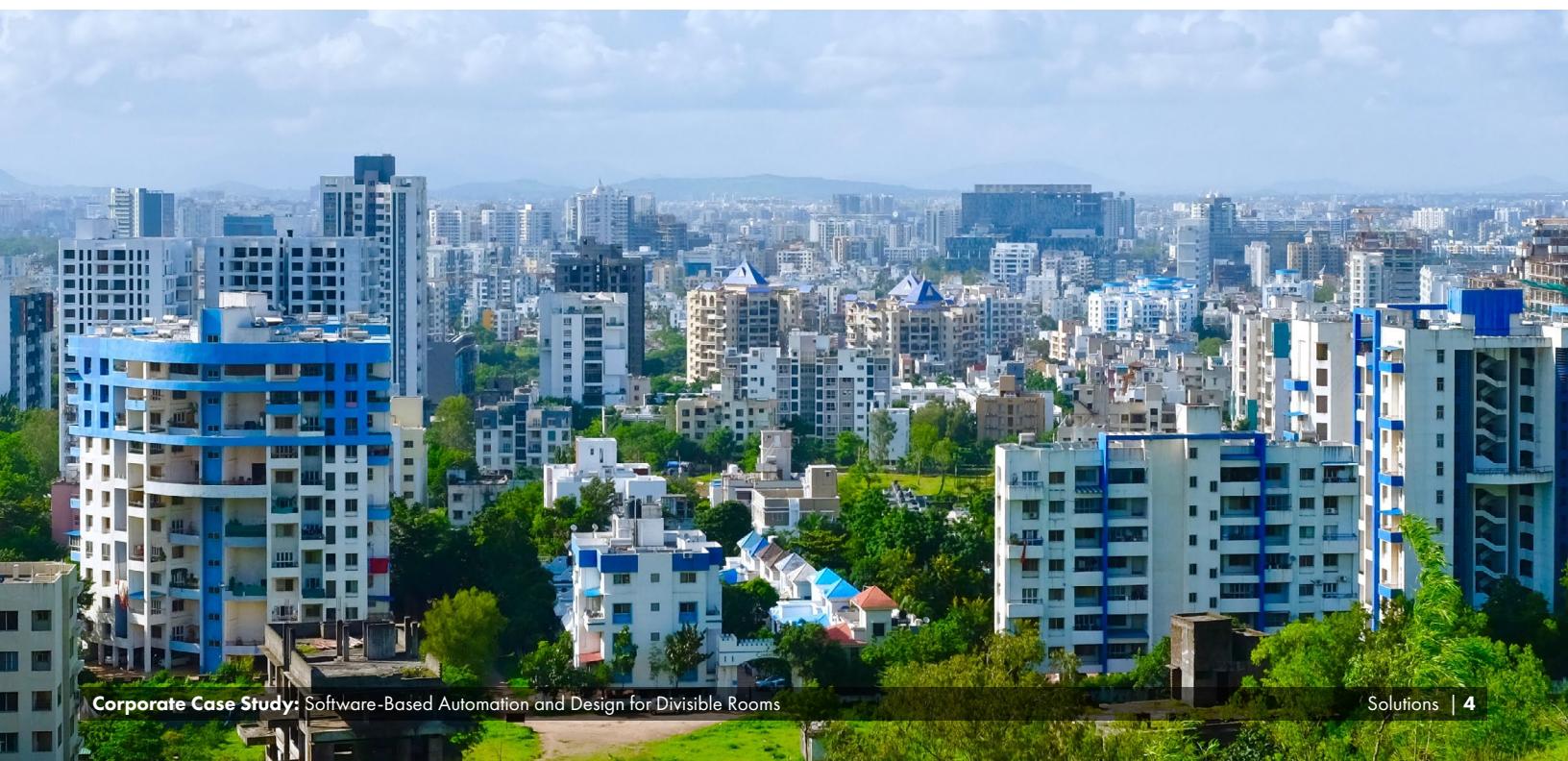
Solutions

Flexible communication

To keep the divisible space open to as many use-cases as possible, a conscious choice was made to leave the room video conferencing agnostic and in support of a bring-your-own-device culture. In keeping with this theme, six Q-SYS NV Series network video endpoints are stationed throughout the space. These integrate Q-SYS video cameras and audio via USB into all major UC&C conferencing applications, such as Microsoft Teams or Zoom. Now participants are able to connect a single, driverless USB to integrate quickly and easily into their chosen web conferencing application.

A clear future

To ensure clarity of sound, Q-SYS AcousticCoverage Series loudspeakers are mounted to the ceiling of this flexible space, powered by three Q-SYS SPA Series power amplifiers. Two large DLED video walls act as the main display, and a Q-SYS touch screen controller is mounted next to each of the video walls to facilitate alternative access points to cameras, broadcast sources, volume controls and more. This suite of solutions from Q-SYS made up a system that not only passed the rigorous Veritas compliance standards, but also contributed to an award-winning design at the 2021 Innovation Awards. Veritas has created a system that truly exemplifies their tech-forward ethos.

Inavation Awards
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Q-SYS Equipment List

Model	Pcs Used	Description	Image
Core 110f	1	Q-SYS Audio, Visual and Control Processor Networked I/O: 128 x 128 Local I/O: 24	
NV-32-H	6	Q-SYS Network Video Endpoint 3 x 2 HDMI I/O software-configurable as encoder or decoder	
PTZ-IP 12x72	5	Q-SYS Conference Camera Resolutions up to 1080p/60 Motorized pan, tilt, zoon (PTZ)	
AC-C6T	26	Q-SYS AcousticCoverage™ Series Loudspeaker Ceiling mount loudspeaker, 6.5 "	
SPA4-60	2	Q-SYS SPA Series Energy Star Power Amplifier 4 Channel	
SPA2-60	1	Q-SYS SPA Series Energy Star Power Amplifier 2 Channel	
I/O Frame	1	Q-SYS I/O Network Interface 4x I/O card slots for configurable I/O options	
UCI Deployment License	1	Q-SYS feature license Create and deploy custom UCI without any programming experience	

Q-SYS Equipment List

Model	Pcs Used	Description	Image
CDN64	1	Q-SYS Dante Bridge Card, 64 x 64	
NS-1124P	1	Q-SYS NS Series Gen 2 NETGEAR-manufactured network switch Pre-configured to meet performance requirements for Q-SYS, AES67 and Dante	
TSC-80W-G2-BK	1	Q-SYS Touch Screen Controller (wall mount) 8.0" (203 mm) screen dimension 1280 x 800 resolution	
TSC-116W-G2-BK	1	Q-SYS Touch Screen Controller (wall mount) 11.6" (295 mm) screen dimension 1920 x 1080 resolution	

Q-SYS is a globally recognized manufacturer of audio, video and control (AV&C) solutions for huddle rooms to stadiums—and everything in between. Our systems make it easy for your team to design and integrate flexible, scalable solutions and deliver the native IT integration and standards-based technology your customers expect.

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