

Case Study Review

AUDIO VISUAL SHOWCASE.

VISION ONE TECHNOLOGIES



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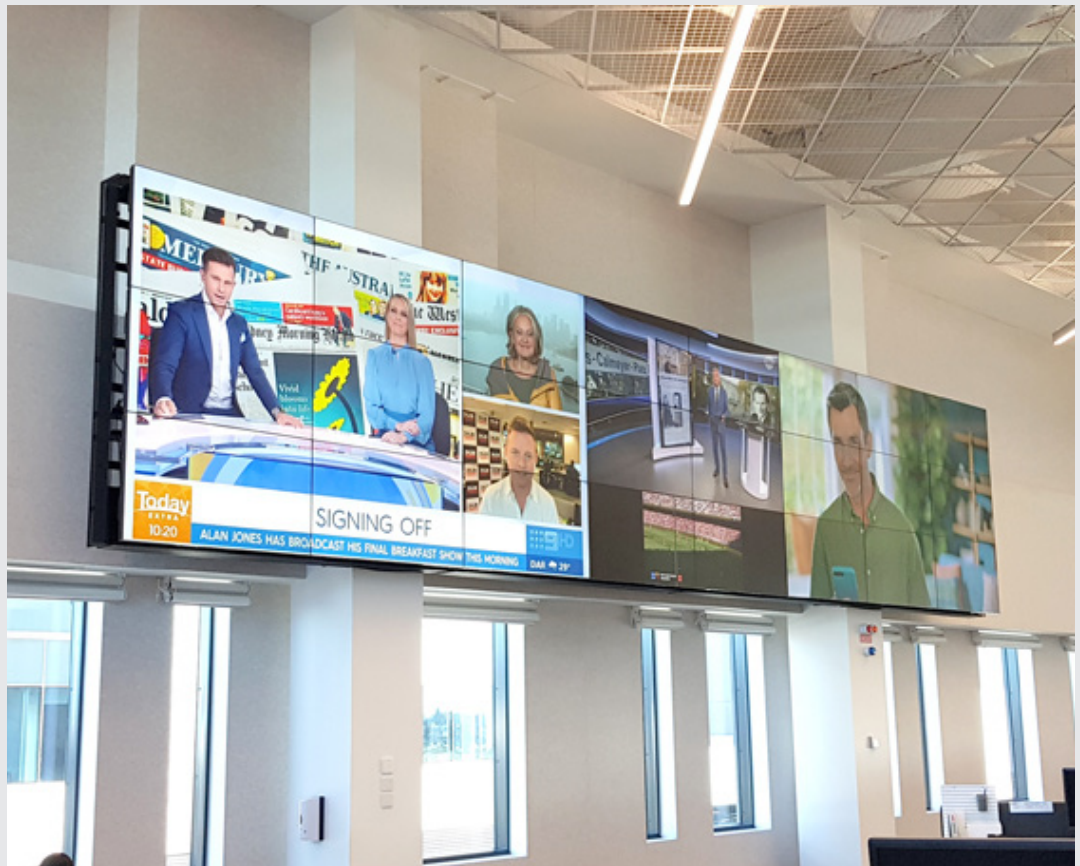
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CASE STUDY ONE

ESTA



ESTA provides the critical link between the Victorian community and the state’s emergency services agencies. It provides Victoria’s 24-hour emergency call-taking and dispatch services for police, fire, ambulance and VICSES.

In 2018-19, ESTA implemented its Integrated Strategic Plan 2023 (ISP2023), a five-year road map to align its core services with the expectations of its partner agencies and the community. One of the core directives involved strengthening service resilience and surge management by moving to an “all services at multiple sites model.” Primarily, this involved a move of core facilities to a new site at Williams Landing.



OPERATIONS

The operations floor was provided with a video wall in addition to several other monitors mounted throughout the operations floor. All monitors were digitally addressable via IP controllers and video signal customisable over a network-based application. The monitors were configured to show 1 of, or a mix of feeds that include but are not limited to Free-to-Air, Pay TV, safe city cameras, VICPOL air wing, CCTV, BOM weather feeds, call queues and other analytics from Genesys).

VIDEO WALL

The video wall comprised of 8x rows of 3x NEC 55" Ultra Narrow Bezel S-IPS Video Wall Displays. The video wall and 8x vantage point display panels were deployed to display selected video from sources as located within the AV rack and connected to a Crestron DM-NVX system. A set number of preset display modes were configured via 21.5" Crestron Touch Screen Controllers, enabling users to quickly "call" familiar source-input templates and layouts.

ASSOCIATION

As part of this move, ESTA – with the guidance of Lucid Consulting Australia – contracted the design and integration team at Vision One to develop and deploy audio visual turnkey solutions to support the needs of the new facility.

Vision One Technologies are proud to be associated with, and to deliver this major project with the collaborative assistance of Crestron ANZ and AT Control Pty Ltd.

STRUCTURE

The video wall was supported by a custom-fabricated structure, designed and engineered in collaboration with the design and construction team at Ultralift Australia.



CASE STUDY ONE

Meeting Room Video Conferencing

The conference rooms were configured for daily presentation and Polycom hard codec video conferencing functions. Sources were selected from local inputs within each meeting room, or from sources located within the central AV rack for video and audio playback. 10" Crestron Touch Panels facilitated the following:

- Source selection and routing – including USB routing for video conferencing.
- Power control.

The Polycom conference camera located at the front of the room provided for video capture of the participants from the video conferencing codec. Audio reinforcement was provided via in-ceiling speakers. 2x wireless presentation units and hard-wired laptop connection were also provided at the tabletop. In other rooms, additional video conferencing was provided via Crestron's flagship Smart Sound Bar for Video Conferencing solution. The new Crestron UC Smart Sound bar is the front of the room solution with exceptional audio and image quality that brings out the best in every meeting, in any size room, with a single USB connection.



Crestron Powered Integration

The system at ESTA was configured via IP distribution of media, via the acclaimed Crestron DM-NVX system. Our inputs featured IP signals, MATV, Set Top Box inclusive Foxtel and Free-to-air and PCs and Laptops. Our system featured “encoders” and “decoders” at every source/display location, offering maximum signal distribution flexibility and Pixel Perfect Processing technology.

1 PRESENTATION AREAS

We wall-mounted a combination of 55"-86" NEC display panels and Audac IMEO1 Sound Bars with Bluetooth connectivity. Via Crestron touch screens, selected video and audio sources can be chosen, pulling content from any NVX encoder located as part of the Crestron DM-NVX system.

2 HUDDLE SPACES

Fully interactive huddle spaces with multi-touch monitors mounted to the wall. Screens were fully integrated with the ability to cast between each screen and individual utilisation of individual screens. These rooms are intended for interactive collaboration use with users being able to drive source devices via a USB connection.



CASE STUDY TWO

Toorak College

Toorak College – one of our partner schools in Mount Eliza, Melbourne – maintains a commitment to ensuring that their students thrive in a world full of challenges.

To achieve this, the school needed new leading-edge programs, collaborative facilities and first-class resources. With this vision and the school's continued educational excellence in mind, the new Science and Technology Centre was born. The aim of the building's new leading edge laboratories and flexible learning spaces was to enable spontaneous collaboration and innovation across scientific disciplines, encouraging every student to step beyond their level of comfort. Vision One Technologies were appointed to deliver outstanding audio, visual and technology experiences in each space, to perfectly compliment the directive and dedication to an ever-evolving school curriculum.





SUPERLABS

The superlabs (4x classrooms in total) are immersive, fully-integrated, touch control-powered audio and visual spaces that operate both independently and in unison. Each lab was fitted with the following bill of materials: 4x LG 55" Semi-Commercial Display Panels mounted on either side of the main science bench; 1x Epson EB-2265U 5,500 ANSI Lumens WUXGA Projector, projecting on the concertina whiteboard wall; 9x Flush-Mounted Ceiling Speakers; 1x Kramer VIA GO Wireless Presentation Device; 1x Ceiling-Mounted PTZ Optics PTZ Camera, mounted above the science bench.

THEATRE

The Amphitheatre is the building's ground-level technology spectacle. Featuring an LG 3x3 Video Wall on Pop-Out Wall Brackets, we complimented this visual component with an Audac Audio System consisting of 2x AXIS Designer Column Speakers, 2x MERO6 6" High End in-Wall Speakers, an SMQ350 Power Amplifier with DSP and a PRE116 Stereo Preamplifier/Mixer. The video wall and column speakers were installed in a purpose-built wall recess to match the design cosmetic.

RESULT

"The Science and Technology Centre will be a welcoming environment that will allow students to transform spaces to suit the needs of the learning experience."



CASE STUDY THREE

Ave Maria College

Audio visuals works in the new Helence Province at Ave Maria College included touch screens, Juno hearing augmentation and Crestron control in a range of classrooms.

Ave Maria College in Aberfeldie recently completed an exciting new classroom extension and refurbishment project. As a preferred technology partner for AV, Vision One worked in tandem with the school to deliver an effective, user-friendly technology solution for each of the new spaces.

OVERVIEW

Ave Maria College in Aberfeldie recently completed an exciting new classroom extension and refurbishment project. As a preferred technology partner for AV, Vision One worked in tandem with the school to deliver an effective, user-friendly technology solution for each of the new spaces. 25x classrooms were fitted with 75" Clevertouch Interactive Touch Screen Display Panels. Clevertouch embraces immersive learning with intelligent digital classroom environments.

TOUCH

Each interactive panel comes packed with free apps and software designed to meet curriculum requirements in order to deliver more engaging lessons. 25x Front Row Juno Hearing Augmentation Devices were also installed to compliment the visual technology in each classroom. Utilising the Juno system makes speech easier to understand and sound from multimedia easier to hear.

DISPLAYS

We also installed a large 98" NEC C981Q Display Panel on a portable trolley with simple HDMI connectivity for presentation. Slim bezels and a modern appearance compliment state of the art architecture, allowing this display panel to integrate perfectly into interior designs. Finally, 10x LG 55" 55UU640C Display Panels were installed and paired with BrightSign Media Players for digital signage. BrightSign's state-of-the-art technology is found around the world, powering digital signage in every vertical market. BrightSign hardware is known for ultimate reliability and an extremely robust operating system purpose-built for digital signage.

RESULT

Our interactive touch screen roll-outs at Ave Maria College re-affirms the school's commitment to interactive, user-friendly collaborative technologies.



CASE STUDY FOUR

Presbyterian Ladies' College

PLC (Presbyterian Ladies' College) has been renowned as a leader in girls' education for over 140 years. Nurtured within a Christian environment, girls are encouraged to develop a respect and concern for others, to acquire leadership skills and self-discipline and to have a sensitive, informed understanding of other cultures.

The IT team at PLC contracted the technology experts at Vision One to design and deploy a digital video wall solution in time for the 2019 Christmas Nativity performance in the Betty Caldwell Hall. With only a week to make the arrangements, Vision One began by supplying and installing 8x NEC X555UNS Video Wall Displays to form two 2x2 configurations.





SOLUTION

The 55" NEC X555UNS utilises S-IPS panel technology to provide a superior signage solution for building video walls with excellent off-angle viewing and far less color shift than traditional video wall panels. Each video wall was strategically installed on either side of the main stage. For content, we installed a Vivi Wireless Presentation Device behind each video wall panel. Vivi is a wireless presentation and screen mirroring tool built exclusively for the education sector. It enables teachers and students to display, capture, annotate and save content in real time.

EXPLORE

The IT team at PLC contracted the technology experts at Vision One to design and deploy an audio visual solution in the new Junior School "Exploratorium." Collectively, we determined that the ultimate collaborative solution would involve providing different "methods" of tech in each corner of an open-space. This would allow for both isolated and collaborative learning environments, with an obvious cross-over between each equipment solution.

TECH CHOICE

We installed 2x Epson EB-1485Fi 5,000 ANSI Lumens Finger-Touch Interactive Laser Projectors, 75" and 86" LG Display Panels, Audac IMEO1 Sound Bars and Extron Wall Controllers.





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