

Vue brings audio to school auditorium

Executive Summary

Kinross Wolaroi School in Orange NSW is an independent, Uniting Church, co-educational, day and boarding school for K-12 students. The DPA Chapel is the school's assembly and performance hall, used for performances by the school's music and performing arts students, as well as assemblies and school celebrations.

Colton Computer Technologies were commissioned in January 2016 to upgrade the DPA Chapel's audio system.

Project Objectives

Provide a stage audio solution that caters for a broad variety of events, from small group functions through to full auditorium performances, for both musical and spoken delivery.



Project Challenges

The main issue with the previously installed system was that it was approximately 6m away from the listener and pointed directly at the floor. As a result, the higher the Sound Pressure Level (SPL) the less intelligible the speech or presentation was. Therefore, the boxes needed to be as discreet as possible without being mounted directly to the roof.



The acoustics of the room were a high consideration during the design. Being a large hall with polished wood on almost every surface, reflections were the main enemy of intelligibility. There are also two floating walls that can be moved to create performance spaces of different sizes, either by closing off the room from the main auditorium, or opening it up to create a walkway around the stage.

Product Solution

The solution was to hang the Vue AudioTechnik boxes from catenary wires and fire them across the hall so that a lower SPL but higher intelligibility could be achieved.

The system was scoped as there were intelligibility issues in the main chapel with the existing system. Six Vue i-series dual 4.5 boxes were installed to replace a set of ceiling speakers and some assorted point and shoot 15" and Horn boxes.

Results

The DPA Chapel is used for many different events, including Leader Induction services, musical performances and celebration luncheons for Alumni. Since the 2016 school year commenced, both the staff and students at Kinross Wolaroi have noticed the difference in audio quality from the Vue install. They are very pleased with the new audio system as they can now hear what is happening in front of them and as a result feel much more involved in the event process.

