CHARLES DARWIN UNIVERSITY

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PROJECT SUMMARY

Charles Darwin University (CDU) envisioned a state-of-the-art Education and Community Precinct at Cavenagh Street, Darwin, Northern Territory. The new multi-story campus was designed to foster student engagement and collaboration by integrating cutting-edge technology across lecture rooms, meeting spaces, and communal areas.

PROJECT REQUIREMENTS

The new construction required advanced Unified Communications (UC) technologies alongside comprehensive audiovisual (AV) solutions. The goal was to ensure a robust, future-ready infrastructure capable of supporting seamless communication, high-quality audio and video conferencing, and inclusive learning environments.

THE SOLUTION

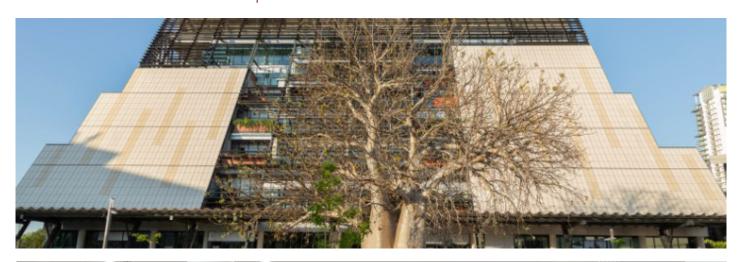
Audiovisual Projects (NT) secured the contract for this significant initiative, delivering a comprehensive solution featuring multiple Amber Technology brands. The proposal balanced exceptional functionality with cost-efficiency, meeting the University's high standards while adhering to budget constraints.

IMPLEMENTATION DETAILS

- 1. Unified Communications and Video Conferencing:
 - * Yamaha ADECIA RM-CG Ceiling Microphones: Deployed across approximately 90 lecture and student spaces, these microphones deliver crystal-clear audio and unmatched coverage for video conferencing. The competitive pricing of the ADECIA RM-CG made it a standout choice, offering premium auditory performance within budget.
 - * Aver CAM520PROADV PTZ Cameras: Installed in ceiling-mounted configurations across more than 60 rooms, these cameras provide high-quality video for conferencing. Their exceptional value for money resonated with the University's decision-makers.
 - * Aver VB 342+ Video Conferencing Bars: Implemented in 30 huddle spaces, these bars combine quality and affordability, catering to smaller zones.

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2. Document Cameras:

* Aver F17-8M Document Cameras: Installed in 36 lecture and teaching spaces, these compact devices deliver 8MP resolution, enabling detailed content capture for enhanced student engagement.

3. Hearing Augmentation:

* Williams AV WFT8D Wavecast Transmitters: Five 8-channel transmitters were deployed to support a total of 40 audio channels for assisted learning. The system streams audio seamlessly through the University's Wi-Fi access points.

4. Public Address System:

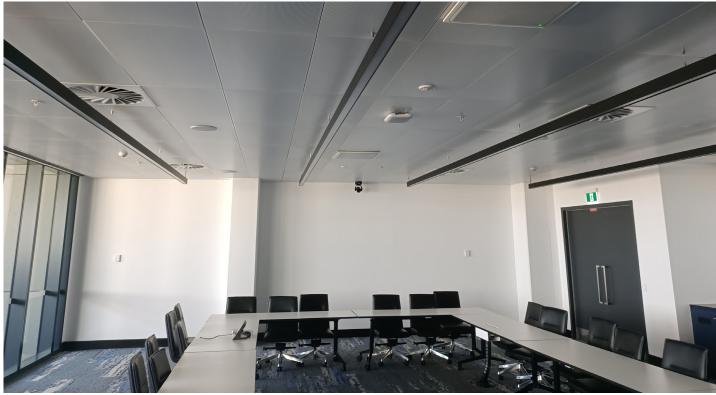
- * Levels 1 and 2 feature a six-zone public address system powered by **Australian Monitor IS4250P 4-channel Power Amplifiers** with Dante Expansion. These amplifiers drive **Australian Monitor QFC6CS coaxial speakers**, ensuring clear and even sound distribution across public and common areas.
- * Multi-purpose studios, galleries, seminar rooms, and large festival learning spaces utilize **Australian Monitor QF60CS and QF80CS Ceiling Speakers** for comprehensive audio distribution.



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OUTCOME

The completed solution successfully met the University's requirements, providing a versatile and scalable AV and UC infrastructure. The design and installation by Audiovisual Projects overcame several challenges, delivering a system that integrates cutting-edge technology to enhance interaction and collaboration. Max Di Toro of Audiovisual Projects commented, "Our design and installation team did a great job, and despite some tricky challenges along the way, the audio-visual equipment proposed and installed, together with the brands supplied by Amber Technology meant that CDU was pleased with the outcomes. Without a doubt, the Charles Darwin University Education and Community Precinct is equipped with smart, cutting-edge technology, facilitating interaction and collaboration between students, teachers, and the community."

Contact Information

Audiovisual Projects

Website: www.avprojects.com.au

Max Di Toro: 0423 766 041 | Email: maxditoro@avprojects.com.au Michael Di Toro: 0413 839 993 | Email: michaelditoro@avprojects.com.au

Office: 1800 287 765 1300 114 569 Amber Technology

www.ambertech.com.au







