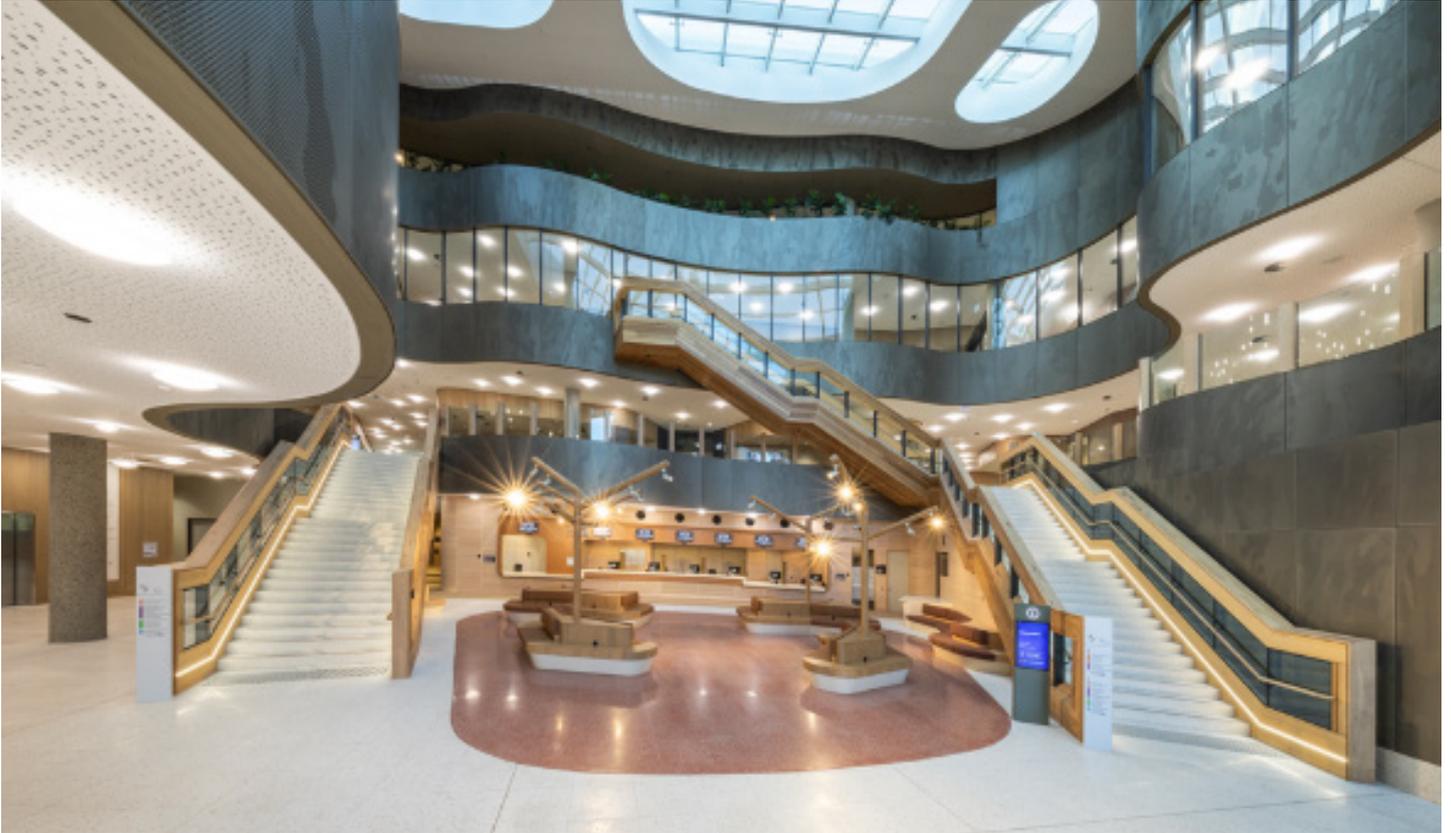


WYNDHAM COURTS | ACCESSIBLE JUSTICE THROUGH ADVANCED HEARING ASSISTANCE



HOW WILLIAMS AV INFRA-RED AND WI-FI SYSTEMS SUPPORT INCLUSIVE COURTROOM EXPERIENCES

The newly constructed Wyndham Courts complex, one of Victoria's most modern and multifaceted judicial facilities places accessibility at the forefront. With 13 multi-jurisdictional courtrooms, four hearing rooms, mediation and remote witness spaces, and more than 60 digital signage displays, the technology brief was extensive. Yet among the most critical requirements was the ability to provide secure, compliant, and highly intelligible hearing assistance for people with hearing loss.

To meet this need, consultants Umow + Wooster and integrator Prime Technology Solutions deployed a combination of **Williams AV Infra-Red (IR) and Wi-Fi-based hearing augmentation technologies** throughout the facility. Their work earned a Judges' Commendation at the 2025 Audio Visual Industry Awards, recognising innovation in delivering accessible, reliable, and secure AV experiences within a complex environment.

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WHY INFRA-RED LEADS IN COURTROOM SECURITY

For the Wyndham Courts project, hearing augmentation was implemented using a Williams AV SoundPlus® T3 medium-area infrared transmitter as the primary solution. Infrared technology remains the preferred choice for courtrooms because it delivers secure, physically contained audio. While IR signals can pass through glass, the design of the courts—with solid walls, controlled sightlines, and minimal glazing—ensures that audio cannot be intercepted outside the room.

Infrared systems also offer reliability and simplicity, operating independently of networks or encryption, and are inherently resistant to interference. They support standard IR receivers and hearing aids with telecoil or neck-loop compatibility, ensuring that participants with hearing loss can access proceedings clearly and comfortably.

Additionally, IR technology meets Australian accessibility standards (AS 1428.5 for communication for people who are deaf or hearing impaired, and IEC 60118-4 for induction loop performance), making it a compliant, trusted solution for court environments.

KEY PERFORMANCE HIGHLIGHTS

- * Coverage of up to 2,972 m2 per transmitter — suitable for large courtrooms and hearing spaces.
- * Clear, interference-free audio.
- * Full compliance with relevant Australian standards (e.g. accessibility and induction-loop standards).

Complementing the IR system, Wi-Fi-based assistive listening is also used in some areas — offering flexibility for public, waiting, and breakout spaces where personal devices or hearing-aid streamers can be used.

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INTEGRATION, DESIGN AND INSTALLATION EXCELLENCE

What distinguishes Wyndham Courts' hearing-assistance deployment is the level of integration achieved. Key aspects included:

- * Early collaboration between AV specialists, architects, and joiners to ensure IR transmitters, wiring, and receivers were discreetly embedded in the build.
 - * Modular pre-builds off-site that streamlined installation, ensuring that hearing-assistance components slot neatly into cabinetry, ceilings or wall panels without disrupting courtroom aesthetics.
- Testing and prototyping at mock-up courtrooms — allowing real users (judges, clerks, staff) to verify that audio quality, coverage, and ergonomics met requirements before final installation.

OUTCOMES AND IMPACT

Reliable, secure hearing-assistance delivery across all courtrooms and hearing areas. Accessibility compliance achieved without compromising the architectural or aesthetic integrity of the complex. Hearing-impaired individuals and those using hearing aids can engage confidently, receiving clear audio for proceedings, testimonies, and communications.

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