



CUSTOMER SUCCESS STORY

Southern Cross Station

A fit-for-purpose Sennheiser wireless solution that delivers in some of the harshest RF conditions imaginable

Challenge

Southern Cross Station in Melbourne faced communication challenges due to its outdated paging system, which broadcasted the same message across all 16 platforms, lacking zoning. In collaboration with InSight Systems, the station aimed to enhance its announcement capabilities. However, the station's environment, acting as a Faraday cage with high voltage cables and electromagnetic interference, required a robust wireless system that could operate seamlessly despite these challenges.

Solution

Sennheiser collaborated with InSight Systems to enhance communication at Southern Cross Station's four regional train platforms. Extensive RF mapping determined the need for Sennheiser's A5000-CP antennas due to the challenging environment. The software modeling recommended eight helical antennas for each platform, strategically placed at public information display structures. Despite the A5000-CP's noticeable appearance, performance prevailed over aesthetics. InSight Systems chose wireless microphone systems from Sennheiser's G4 range for the project, including ew300 handheld systems, antenna combiners, and receivers.

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“The Sennheiser aspects of this job were a breeze, [...] it was so easy to get all the frequencies we wanted and to get the antennas we needed... Sennheiser made the RF design simple.”

Myke Ireland, Director of Technology at InSight Systems

FACTSHEET

Products installed	EW 300 G4-865-S-GW x3, SKM 300 G4-S-GW x 4, LA2 x 3, A 5000-CP x 24, AB 3700 x 12, ACA 3 x 3, MME 865-1 BK X 4, BA 2015 x 6, CHG 1 KIT x 3
Country	Australia
Region	APAC
Industry	Public Transport
Integrator	InSight Systems
Profile	The public transport hub of Melbourne, Australia. Southern Cross Station serves over 1.2 Million people every week and is Victoria's primary metropolitan, regional and airport gateway.

SENNHEISER