

CASE STUDIES

CLEAR SOUND, NATURAL HABITAT**Enhancing Adelaide Zoo's Penguin Enclosure with Renkus Heinz UBX Series****PROJECT REQUIREMENTS**

The Adelaide Zoo's Penguin Enclosure presented a unique audio challenge. The enclosure required a solution that would cover a substantially wide listening area but with a short throw distance, and the available speaker locations were very limited. It was crucial that the Zoo's visitors could hear the keeper's presentations clearly without overwhelming the keepers themselves or disturbing the animals in the enclosures opposite the Penguin exhibit.

THE SOLUTION

Given the constraints, Renkus Heinz UBX Series speakers were identified as the ideal solution. Having previously used Renkus Heinz products successfully in the same venue, Horder Communication Solutions (HCS) installed two compact UBX column speakers at the rear of the Penguin enclosure. The speakers were carefully positioned to blend seamlessly into the environment.

Each UBX speaker is a passive, 100V IP64-rated column, equipped with four 3-inch full-range drivers. These speakers offer tight vertical dispersion and constant directivity, which allowed the horizontal dispersion to effectively cover the wide public viewing area. Meanwhile, the controlled vertical dispersion ensured that the sound remained clear and pleasant for the Zoo's patrons without spilling over into areas where it wasn't needed, thus protecting the animals and keeping the environment comfortable for everyone involved. To complete the system, another Amber Technology staple, the Australian Monitor HS250-V2 mixer/amplifier was selected as the headend. This choice provided a simple yet effective solution for managing the audio needs of the enclosure.

Jared Vaiciulis from HCS praised the outcome, stating, "A fantastic result! The viewing audience was completely covered in challenging outdoor circumstances, and while walking within the enclosure, the keepers are free of being blasted by their own voice while presenting."

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INSTALLATION

The installation was successfully completed by Horder Communication Solutions, who ensured that the audio system met the unique demands of the Adelaide Zoo's Penguin Enclosure, delivering a clear, focused sound that enhanced the visitor experience without disturbing the surrounding environment.

Installation completed by:
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