



# AUSTRALIAN EVENT AWARDS

Congratulations to 2009 Winners!

## WINNER

### Best Achievement in Technical Production

**Auditoria Pty Ltd**

for their work on World Youth Day 2008



Auditoria was responsible for the design of the vast majority of the technical production elements including production communications, radio communications, simultaneous translation, technical data networks, CCTV, video production and AV links to external sites. Auditoria were also responsible for audio, and this submission is for the excellence in design and implementation for the audio system for Randwick Racecourse.

The audio system for Randwick Racecourse was required to deliver highly intelligible speech and full bandwidth music to the entire audience area, which had the capacity for approximately 300,000 people, and covered an area the size of 20 Sydney Domains. We were also required to deliver audio to the media tribune and host broadcaster for transmission to the world.

The complexity in designing an audio system of such scale is significant. Whilst the design challenges of smaller audio systems still exist, there are many additional challenges which are unique to systems of this scale.

These issues include:

- distributing audio signal over long distances to over 70 loudspeaker locations without signal degradation,
- building a data network that would enable control of remote loudspeaker systems from a central point,
- maintaining a consistent sound experience to the entire audience area with over seven different loudspeaker products and over 70 individually designed array configurations,
- delivering it all on a scale that had never been seen in Australia before, and with a very limited budget.

[Back to List of Finalists](#)



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