

projects



cougar stadium

Client: Brigham Young University

Location: Salt Lake City, UT

Seat Count: 65,000

Opening: 1996

Project Type: Renovation

AD Scope: Audio

Brigham Young University is home to the BYU Cougars and Cougar Stadium, which was originally built in 1964 and expanded in 1982. It was decided that renovation was needed on the tail-end of the football stadium's sound reinforcement system--loudspeakers, power amplifiers and processing---to improve sound quality to match the video programming.

Designing a system that would not have an adverse impact on nearby residential areas was at the top of the list of design goals. The prior system had generated a number of complaints from nearby residents. Other goals were uniform coverage, overall smoothness, and the capability to deliver full bandwidth music throughout the stadium from a single source location.

AD determined that the most appropriate location for the new loudspeaker cluster would be in the scoreboard structures. This approach presented potential drawbacks: the cluster would be required to deliver sound more than 700-feet with the desired smoothness and fidelity; yet, space inside the scoreboard structure was limited. The solution involved development of new loudspeaker technology. The stadium now enjoys excellent coverage and clarity, without affecting neighboring residents.