



# River Spirit Casino, Tulsa USA

## The Venue

Owned and operated by the Muscogee Nation, the River Spirit Casino, located in Tulsa, Oklahoma, is a premier entertainment destination offering a range of gaming, dining, and live entertainment experiences. Among its highlights is the Grid Iron Sports Bar, the largest sports viewing bar in the state, delivering an unparalleled viewing experience for patrons.

## Audiotek Design Team

Ash Attwood, Chris Kmiec, and Darren Parfitt



## Technology Partners

Martin Audio, Taylorleds, Q-SYS, Tripleplay, and Samsung.



Taylorleds

SAMSUNG



## Fabrication Supplier

i5 Design Build



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## Project Scope

The project aimed to:

- Design and install a new, advanced audio and video (IPTV) system throughout the Grid Iron Sports Bar, two TopGolf® swing suites, the Locker Room banquet suite, and the VIP lounge.
- Ensure seamless integration of audio and video elements to create an immersive viewing experience.

## The Challenges

### 1. Spatial Considerations:

- The venue's expansive layout required careful planning to ensure even audio coverage and unobstructed sightlines for all patrons.
- Integrating large-format video displays into a dynamic and visually stimulating environment demanded precise placement and calibration.
- Large windows, which open onto the street, presented visual and auditory challenges.

### 2. Technical Requirements:

- The system needed to support a variety of content, from live sports broadcasts to special events, with consistently high-quality audio and video.
- Ensuring system reliability during peak operating hours was critical.
- Integrating AV-over-IP services with the existing network infrastructure.
- Complex programming to allow individual control of over 60 TV screens and multiple video walls with multiple sources.

### 3. Acoustic Environment:

- Managing sound levels in a bustling, high-energy environment posed challenges in minimising echo and ensuring speech intelligibility.

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## The Solution

The overall solution developed by the Team for this space, maximised flexibility and functionality while maintaining both the quality and value required by the client.

To address the challenges, the team implemented a tailored solution using innovative AV technology. In addition, i5 Design conducted daylight studies to ensure all screens remained visible throughout the day. The installation included:

### Key Components

#### Audio System:

- High-fidelity ceiling and wall-mounted speakers from [Martin Audio](#) ensured even sound distribution across the venue.
- Advanced DSP (Digital Signal Processing) provided precise control of sound levels and zones.
- Acoustic modelling, using EASE software, ensured consistent speaker coverage and minimised street noise spillage into the venue.

"We selected Martin Audio, due to a very strong worldwide relationship with the Martin Audio team and Audiotek. Our experiences with Dom Harter, Dan Orton, and Brad Stephens go back 20 years, and we trust them to delivery every time. The range of Martin Audio products keeps getting better and better, and we were able to choose the perfect product for each requirement in the design" Chris Kmiec

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## The Solution

### Video System:

- A stunning main video wall consisting of 60 high-definition screens, provided by [Taylorleds](#), seamlessly integrated to create a single, continuous display for maximum visual impact.
- Multiple large-format LED displays strategically positioned for optimal visibility from any seat.
- High-resolution projectors and screens delivering dynamic content in the TopGolf® swing suites.

"Once again, our partnership with Audiotek has resulted in an extremely good result for the client, as well as the team on site being a pleasure to work with" Daniel Scamman, i5 Design

### Control Systems:

- Centralised control panels, powered by [Q-SYS](#), allowed seamless switching between different content sources.
- Intuitive interfaces enabled staff to manage the system effortlessly.

## Outcome

The new AV system has transformed the Grid Iron Sports Bar into a premier venue for sports fans and eventgoers alike. Patrons now enjoy:

- Immersive, high-quality audio that enhances the excitement of live sports and entertainment.
- Crystal-clear video displays visible from every corner of the venue.
- A dynamic atmosphere that elevates the overall customer experience.

This project demonstrates the importance of combining innovative technology with thoughtful design and meticulous execution. The River Spirit Casino continues to set new standards for entertainment venues, and the Grid Iron Sports Bar stands as a stunning example of what's possible with state-of-the-art AV design.

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## Kit List

### Grid Iron:

- Taylorleds LED video walls
- Samsung LFD
- Martin Audio ceiling speakers and subwoofers
- Tripleplay IPTV

### Locker Room:

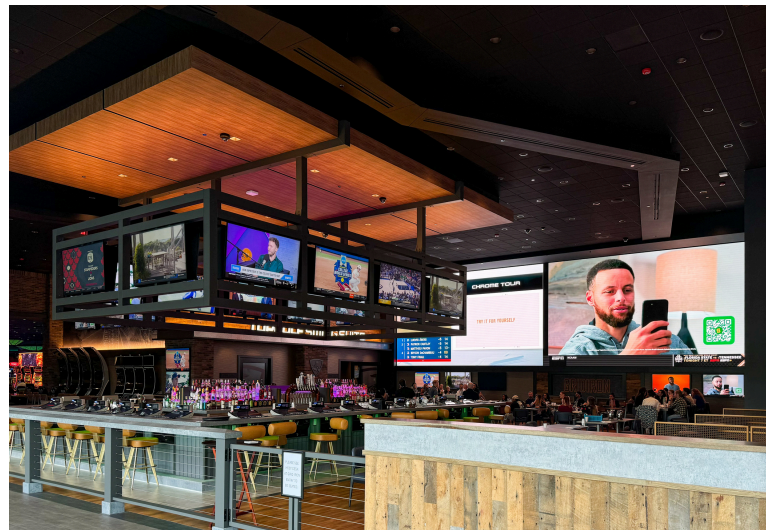
- Taylorleds LED displays
- Martin Audio speakers
- Tripleplay IPTV

### VIP Lounge and Swing Suites:

- Samsung LFD
- Martin Audio speakers
- Tripleplay IPTV



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