



Sphere at The Venetian Resort



255 Sands Ave
Las Vegas, NV 89169

Client

MSG Las Vegas, LLC

Contractors

MSG LV Construction, LLC

Architect

Populous

Other Major Specialty Consultants/Vendors

Atrium Serapid Lift: Show Canada

Bowl Audio System: Holoplot

LED Media Facade: SACO

LED Media Plane: SACO

Seating: Irwin Seating

Specialty Low Voltage: Archkey

Start Date

September 2018

Completion Date

September 2023

Project Cost

\$2.3 Billion

Project Financing

MSG Entertainment Corp.

Project Challenges

Unique, one-of-kind spherical design

Supporting a remote, out-of-state client

Cumming's Role

Cumming served in a commercial manager capacity providing cost management and estimating services.

Project Overview

Cumming served as commercial manager for MSG Las Vegas, LLC and provided cost management and estimating services for the Sphere at The Venetian Resort, a music and entertainment arena near the Las Vegas Strip. Upon completion in 2023, the sphere will reach 366 feet high and span 516 feet wide at its broadest point for a total of 875,000 sq. ft., setting the world record for the World's Largest Spherical Structure, according to the WORLD RECORD ACADEMY. The sphere has nine levels, including the basement, where a VIP club will be located. Seating for more than 17,000 people will cover two-thirds of the interior, leaving the remaining space for the stage.

Overall Scope of Work

As the commercial manager for the Sphere at the Venetian Resort, Cumming worked on behalf of MSG to minimize risks and maximize the value of their project. Our team supported various aspects of the development including:

- Continuous cost estimating
- Value engineering
- Bid analysis
- Change order management and negotiations
- Domestic and international materials escalation studies



\$360M
TOTAL DETAILED
ESTIMATES COMPLETED



Project Challenges

UNIQUE, ONE-OF-A-KIND SPHERICAL DESIGN

Building a massive, spherical shape was an unprecedented and incredibly ambitious project, requiring use of the world's fourth-largest crane. "This was not a traditional ground-up cost management assignment," said Raj Adusumalli, Cumming's project director who oversaw the team for the entire 24-month duration. "This was an endeavor to create the world's first and largest spherical entertainment venue, and our team was ready for the challenge." There were numerous electrical and mechanical elements requiring Cumming's cost management team to fully and accurately estimate every package with the highest level of detail.

The project was originally scheduled to open in 2021. However, construction was suspended in March 2020 due to the COVID-19 pandemic. In August 2020, MSG announced that construction had resumed on the project, with the opening rescheduled for 2023.

In October 2021, MSG hired Cumming Group to serve as commercial manager with responsibility for providing estimates on all packages and reviewing escalations. Our team of experienced cost specialists provided hundreds of estimates and cost studies along with subsequent cost guidance to the client.

SUPPORTING A REMOTE, OUT-OF-STATE CLIENT

Communication is key on any construction project. Our team understands the importance of this and provided vital information to the owner, who was located both in New York and London, on a frequent basis. By providing continuous estimates and analyses of project costs in a timely manner, MSG was able to make well-informed design and business decisions. Our approach led to the early identification of potential cost issues.

"Thank you for your excellent performance and support over the past couple of years. This project wouldn't have turned out the same without the assistance of Cumming Group. Their expertise in reviewing and analyzing subcontractors' change orders provided MSG with insights into their pricing and recognized errors and omissions in the subcontractors' evaluation. We look forward to future collaboration with Raj and his team."

Gerry Tan, VP Commercial
MSG LV Construction, LLC



Project Outcome

The final result captures the client's creative vision for the world's first spherical entertainment venue, with the latest in audio visual technology including a 16K resolution wraparound LED screen that spans 580,000 sq. ft., haptic technology in the seats, and more than 160,000 speakers as well as a sound system in the floorboards.

The project is on track to be completed in September 2023. "We've enjoyed working with MSG and are honored to be a part of this monumental, record-setting project in Las Vegas," said Adusumalli. "We look forward to continuing our partnership with MSG as they expand their sphere concept to other cities around the globe."



At Cumming Group, we are passionate about helping our clients execute large-scale, complex projects on-time and within budget. Our project and cost-management services are specifically tailored to each client's needs and add meaningful value at every step of a project's development.

Drawing on deep expertise in the communities and sectors we serve, we anticipate and solve problems, deliver solutions, and drive results. Since opening our doors in 1996, Cumming has grown to 50+ offices globally, and is now home to more than 2,000 team members – including many of the brightest minds in the industry.

Program + Project Management
Cost Management + Estimating
Planning + Scheduling

2,000+
TEAM MEMBERS WORLDWIDE

50+
OFFICES WORLDWIDE

27
YEARS IN BUSINESS

300+
BILLION \$ IN COMPLETED PROJECTS

#14
RANKING ON ENR'S TOP 100 PM/CM LIST

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