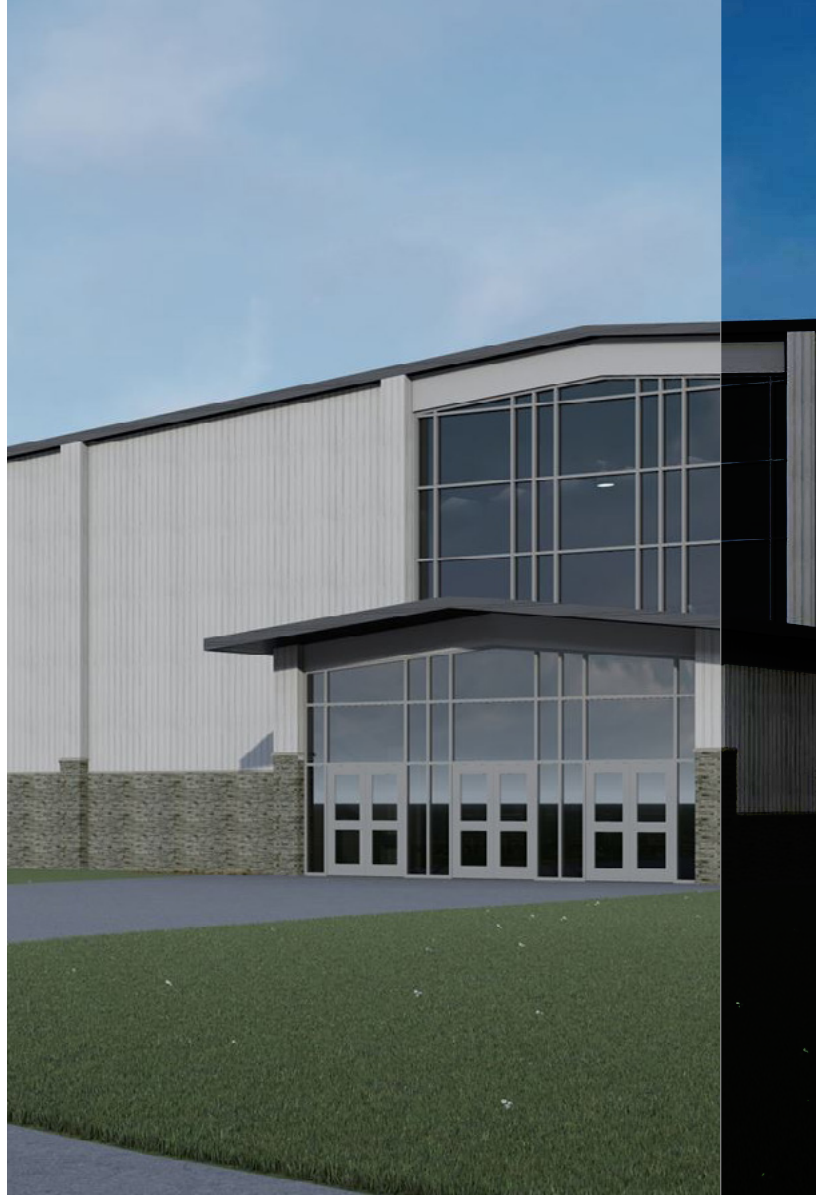


# Case Study

Ozark Empire  
Fairgrounds



# AAON Flexible Solutions.

Ozark Empire Fairgrounds in Springfield, Missouri, was built in 1941 as part of the Works Progress Administration and became an important economic venue for the community, competing nationally to host a wide range of events. The original building was remodeled as an all-purpose arena in 1962 and hosts rodeos, car shows, antique sales, tradeshow, wedding receptions, RV/boat sales, livestock/animal events, liquidation sales, community events, and more.

With its increasing popularity, Ozark Empire recognized the need for a dedicated arena to accommodate more events and larger audiences. The new design includes a 100,000 sq. ft. facility with a mezzanine capable of holding over 6,000 attendees. The replacement arena also features an attached annex to support smaller events and classes.



AAON quickly responded with a flexible, efficient solution.

- 11 RN units with a combination of Energy Recovery and Economizer offer the flexibility to meet the needs of any event.
- AAON factory controls allow the units to safely run cooler discharge temperatures, leading to improved energy efficiency and smaller ductwork.
- AAON's streamlined approach and cutting-edge software allowed for accurate and rapid system design to meet demanding lead times.
- Situated in the heart of the country, the regional location of AAON's factory enabled faster delivery.

"The main level is 100,000 square feet. We also have four concession stands, two restaurants, an annex pavilion, and the AG learning center. The ability for us to be able to control the humidity and the air conditioning of this building is awesome."

CASEY OWEN, GENERAL MANAGER,  
OZARK EMPIRE FAIRGROUNDS

## The new venue design provided challenges for AAON to solve.

- The building has a large barn door that leaves the venue open to the elements. The HVAC system must maintain the conditioned space regardless of the season or the position of the barn door.
- The system has to support small events (200 people) up to a full stadium (6,300 people).
- The system must maintain air quality during livestock events and monster truck rallies.
- The entire HVAC system had to be designed and ordered in a very short timeframe.



"It has a deep meaning for the community to see this venue here in Springfield. It'll be something that we will be proud of for a long time."

AARON FIELDS, PRESIDENT  
FIELDS MECHANICAL SYSTEMS

## AAON's industry-leading Rep force is ready to tackle your next big project.

Regardless of the challenge, AAON has the tools, units, and controls to fulfill project requirements and exceed your expectations. Contact your local AAON Rep to learn more or schedule a facility tour to discover how our products serve as your solutions.





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