

# CASE STUDY MULTISPORT

## EDINBORO UNIVERSITY EDINBORO, PA



**APPLICATION:**.....MULTISPORT DOME  
**SIZE:**.....231' W x 371' L (85,701 sq. ft.)  
**FEATURES:**.....LOW BIAS CABLE SYSTEM ADD STRUCTURAL SUPPORT  
EXTERIOR BANNER WITH SCHOOL LOGO  
HEATED FOR USE DURING WINTER SEASON

### CHALLENGE

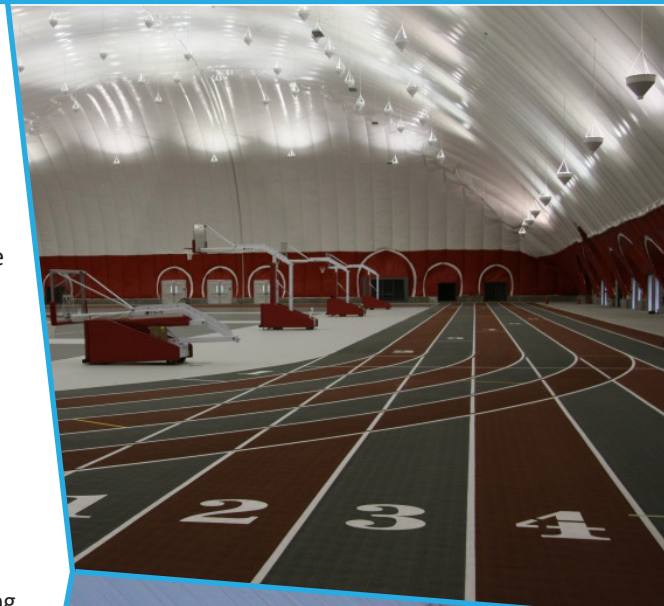
- Build a cost-effective indoor sports facility for Edinboro University athletes that is energy efficient and designed to withstand heavy snowfall.

### SOLUTION

- Arizon designed, manufactured and installed a climate-controlled, air-supported building over the school's track with an open-span court area in the center for basketball, volleyball and other sports.
- The building is highly energy efficient, as it uses an opaque panel design with R-12 insulation and a high-efficiency HVAC system to keep the dome heated during winter.
- A low bias cable system gives the dome extra support to handle high snow and heavy winter winds without damaging the exterior fabric.

### RESULT

- With approximately one third of the investment required to construct an indoor sports complex using "traditional" building materials, Edinboro University is able to provide state-of-the-art indoor facilities for volleyball, basketball, track and other sports for its student athletes.
- The dome's high grade insulation and high efficiency HVAC system creates a comfortable interior space at a low cost to operate year-round.
- Built with safety in mind, students can enjoy the dome rain or shine- even during snow storms.



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