



Arizona Cardinal

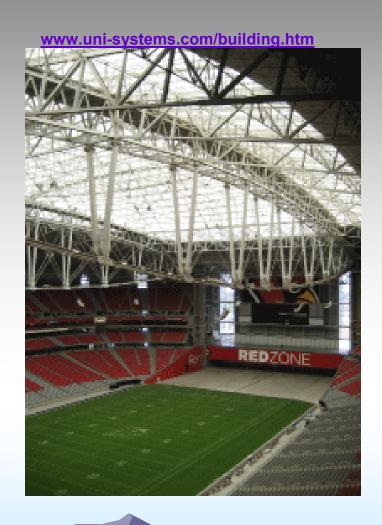


The new BIRDS NEST



Retractable Roof

- 12 minutes to open and close
- Cable-driven, rides on arc
- Panels are 258 ft by 185 ft
- Has 100,000+ square ft
 Teflon fabric called "birdair"
 - Reduces need for interior lighting
- Maximum .25 mph from 0 to 14 degree along arc



Roll-out Field

- 45 minutes to roll in or out
- Weighs 19 million lbs
- Slides out on 542 wheels
- 76 wheels are powered by 1 hp engines
- Rolls at .125 mph



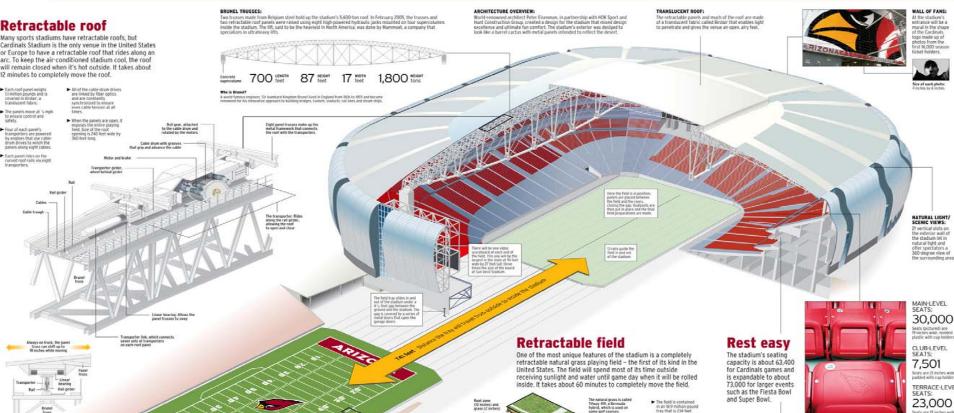


The new The Arizona Cardinals' \$455 million state-of-the-art stadium is being hailed as one of the top 10 sporting structures in the world. In addition to a retractable roof, it contains the first completely retractable field in the United States.

BIRDS NEST

Retractable roof





Plastic drainage mat





TERRACE-LEVEL 23,000

LOFTS:

The luxury lot The Susury Not! amenities include preferred parking, an exclusive enfrance, private restrooms, multiple felevisions, and cotoring. The per season cost of

a loft is between \$65,000 and \$125,000 niches wide, each with its own cup holder and adjacent table to put food, etc.

ANGLE OF STADIUM: The stadium is aligned along a slight northwest-to-southeast axis to offer the maximum sun exposure for the grass field and maximum shade for patrons.

SPORTSMAN'S PARK:

63,400

14,000

310

Quel frame (10) (orner ment)

50

10

18

1.250

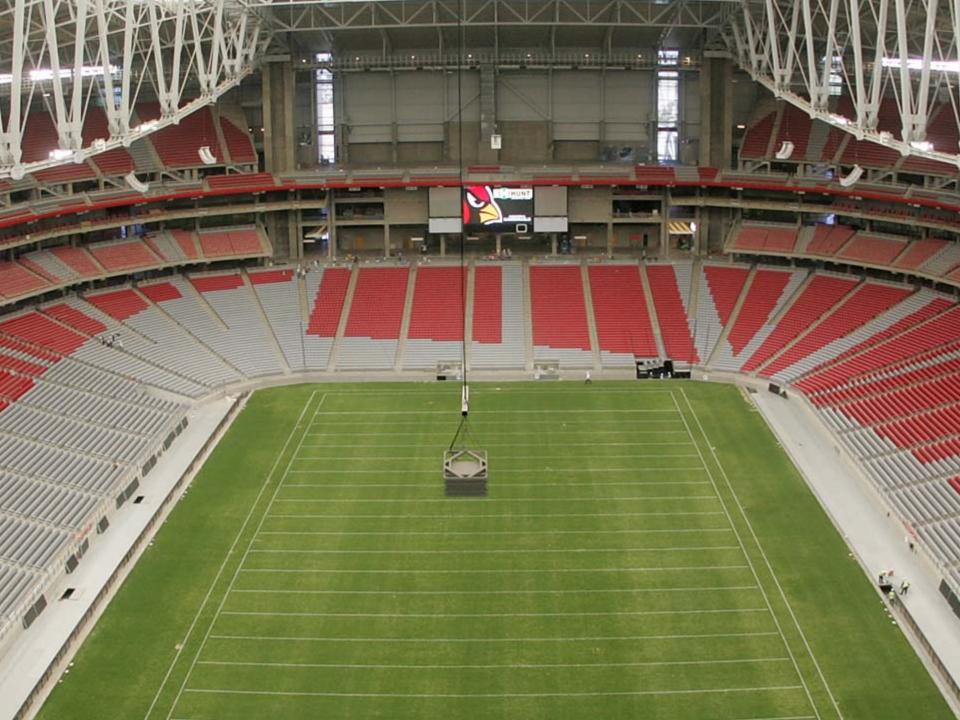
2,300

3,500 Jobs added during the construction phase of the stadiur

\$400M

SIPARCONE

Irrigation pipin and irr-ground sprinkler heads



Cost of Design/Facts

- The Data of the Stadium
- Estimated cost
- Stadium area
- Concrete stadium floor area 152,000ft2
- Field tray weight

 Field dimension
- Seating capacity
- Lower bowl seating
- Upper deck seating
- Club seating

\$450 million

160acres

At most73,000

29,000

26,000

7,000

(Above) Denver Broncos 100% grass playing field

Alternative Ideas

(Below) Dallas Cowboys Retractable Roof Stadium



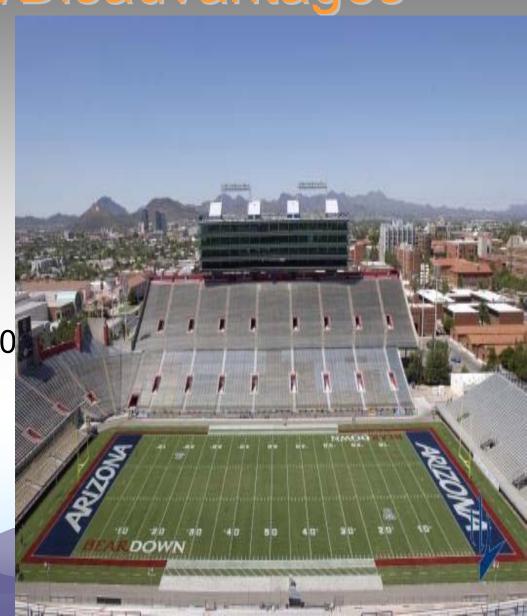
Advantages/Disadvantages

Advantages

- The stadium is aligned in a certain direction for maximum sun exposure
- Fully air conditioned
- The construction provided 3500 jobs and it added \$400 million to the economy

Disadvantages

Huge Cost





Problems of Implementing

- Higher taxes for Arizona residents
- Emergency evacuation
- Naming rights controversy
- Parking: the stadium provides 6,000 stalls compared to the 70,000+ capacity



