



Waterparks

Bring the outside in
with an OpenAire facility

Ten top reasons waterpark



1 The weather is perfect every day OpenAire retractable roof enclosures and operable skylights bring buildings to life. They open up when it's warm to let in the sun and heat. And they close when it's cold or rainy, offering users year-round enjoyment in unique, beautiful spaces; and ensuring operators can draw crowds no matter what the weather brings.

2 Natural light and illumination Traditional construction simply doesn't allow as much natural light. OpenAire roof and sidewall glazing options include glass, polycarbonate and EFTE. An OpenAire roof creates an exceptionally bright and spacious environment.

3 A playful mood An OpenAire roof opens quickly, bathing guests with fresh air and sunshine on beautiful days, and providing a comfortable enclosed environment on chilly days. Opening up the roof creates the mood of joy and playfulness; of a leisurely drifting cloudscape; a calming natural breeze and the sense of warmth that comes with access to unfiltered sunlight.



6 Maintenance free Unlike steel framing, OpenAire's maintenance-free, thermally broken aluminum framing system stands up to moist, chemical aquatic atmospheres and never needs to be repainted.

7 Natural ventilation With a retractable roof enclosure, an opened enclosure produces natural ventilation, which substantially reduces a waterpark operator's reliance on running a mechanical system for dehumidification and ventilation. This reduced reliance on mechanical ventilation generates substantial energy savings in the long-term.

developers choose OpenAire



4 Fun every season of the year By offering the best of both worlds – fresh air and sunshine in good weather, and natural light and warm surroundings on chilly days – OpenAire buildings draw more visitors and patrons in every season. For operators in cold climates, OpenAire buildings make entirely new attractions possible.



5 Energy efficient When the roof is open, heat rises. Air conditioning and dehumidification aren't needed; offering incredible energy savings. And when the roof is closed, thermal breaks and vapor barriers control condensation, and air filtration reduces the need for air conditioning and long-running dehumidification systems, all of which means energy savings of up to 27% over traditional construction.



8 Protection from chloramines OpenAire's thermally broken aluminum systems are resistant to deterioration from chloramines. This means they're always attractive and won't need repainting.



9 Lower life-cycle costs With a maintenance-free aluminum truss structure and decreased dependence on artificial lighting, dehumidification and air conditioning, OpenAire structures cost less to operate and maintain, offering tremendous long-term value.



10 A complete solution and partner OpenAire designs custom solutions to meet the needs of your facility aesthetic, site and audience. Whether you're looking for modern lines or rustic charm, OpenAire will create a stunning venue, from design to construction.

Completed Projects



Jay Peak Resort

Jay Peak, Vermont

The Jay Peak water park is the tallest OpenAire enclosure in North America. Measuring 140' (42m) wide and 280' (85m) long and 43' (13m) high at the sidewalls, it contains over 40,000 square feet. The design includes a curved cupola at the apex that houses a 55' (17m) high slide-tower. Plus, the structure can handle 80lbs. per square foot (3.83 kPa) of snow load, which is a vital design feature for Jay Peak, located in Vermont, which has a higher snowfall than some Rocky Mountain ski resorts.



Aqua Sferra Waterpark

Donetsk, Ukraine

The Aqua Sferra dome is a milestone in the design of indoor water parks. Its sheer magnitude and scale - combined with the ability of the roof to retract - creates a stunning landmark. At 278' (85m) in diameter, covering 61,000 square feet (5,667 m²), and standing 86' (26m) high, the Aqua Sferra water park is enclosed with the largest all-aluminum freestanding retractable dome ever constructed. The dome was designed, manufactured and installed by OpenAire and features four retractable, triangular shaped roof panels measuring 80' (24.4m) at the base and 80' (24.4m) along the arch. Powered by 16 motors and riding on 432 wheels over 1,926' (587m) of track, the massive roof opens in less than 10 minutes bathing the guests of Aqua Sferra with fresh air and sunshine on beautiful sunny days, and providing a comfortable enclosed environment on cold and rainy days.

CONTACT US TODAY TO FIND OUT HOW
YOU CAN BRING SKY INTO YOUR DESIGN.



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