



The Future of Community Recreation

FLEXIBLE INDOOR-OUTDOOR SPACES ENGINEERED FOR
YEAR-ROUND COMMUNITY USE



Flexible indoor–outdoor spaces engineered for year-round community use

Modern municipalities are rethinking traditional natatorium design as operating costs, sustainability goals, and maintenance challenges continue to rise. Retractable roof natatoriums offer a flexible, energy-efficient alternative to conventional enclosed aquatic facilities.

All-aluminum retractable systems, help reduce HVAC, lighting, and dehumidification demands through natural ventilation and daylighting, delivering operational energy savings of up to 30% annually. Unlike traditional steel structures, aluminum does not rust or corrode, significantly reducing long-term maintenance, repainting, and lifecycle costs. These systems also improve indoor air quality by allowing fresh air circulation and reducing chloramine buildup, creating healthier, more enjoyable environments for swimmers, staff, and spectators alike.

Beyond operational benefits, retractable natatoriums create bright, open, experience-driven aquatic environments that attract greater community engagement and year-round usage. Construction costs are comparable to traditional brick-and-mortar facilities, while delivering stronger long-term value through reduced operating expenses and enhanced durability.

With more than 1,300 projects worldwide, OpenAire provides proven retractable roof solutions backed by a minimum five-year parts and labor warranty, a rarity in the construction industry.

For municipalities seeking sustainable, flexible, and financially resilient aquatic infrastructure, retractable roof natatoriums are becoming the future of natatorium design.





Adaptable Community Spaces

Recreation, Wellness, & Civic environments designed for long-term use

The future of municipal aquatic facilities lies in flexible, sustainable, inclusive, and financially resilient community destinations. Communities are increasingly prioritizing facilities that:

- Serve multiple generations
- Maximize year-round utilization
- Reduce operational costs
- Improve environmental performance
- Support health and wellness
- Create memorable visitor experiences
- Strengthen community identity

Planning Benefits of an OpenAire Enclosure

- Supports phased capital improvements with easy expansion options
- Integrates with existing buildings or future additions
- Improves asset utilization
- Can be implemented at existing facilities (yes you can cover your existing outdoor pool!)

While aquatic centers remain complex investments, thoughtful planning and modern design approaches can significantly improve both community outcomes and long-term operational success.

Ideal Applications

- YMCA aquatics and natatoriums
- Municipal recreation centers
- Community pools and splash facilities
- Fitness and wellness spaces
- Multi-use event halls
- Senior and family activity centers

Community Impact

- Increases year-round programming capacity
- Improves wellness and family participation
- Extends seasonal recreation use
- Supports civic placemaking & community gathering
- Reduces lifecycle maintenance costs



Built for Performance

OpenAire's all-aluminum retractable roof systems help municipalities create adaptable recreation environments with lower maintenance and long-term durability.

Operable roof systems bring in daylight and fresh air to improve comfort while helping reduce cooling, dehumidification, and daytime lighting demand.

Flexible enclosure design supports future expansion as programming, attendance, and community demand grow.

Key Benefits:

Lower Lifecycle Maintenance

Aluminum framing reduces corrosion, repairs, and long-term/future upkeep

Reduced Energy Demand

Daylighting and natural ventilation can lower energy use and lighting costs by up to 15% yearly

Designed to Expand

Extend the enclosure length as attendance and programming needs grow

Higher Space Utilization

Convert pools, gyms, fitness spaces, and event halls into all-season flexible environments

Reliable Budget & Delivery

One partner manages design through installation keeping budgets on track including a minimum 5-year complete warranty





1989

Founded

90+

Employees

1300+

Projects

Partial list of Municipal Clients





Lower maintenance + Reduced energy demand = Greater year-round utilization

OpenAire delivers custom retractable aluminum roof enclosures for community centers, recreation facilities, YMCA buildings, aquatic halls, fieldhouses, wellness spaces, and civic gathering venues.

Why municipalities choose OpenAire:

- Corrosion-resistant aluminum for long-term durability
- Operable roof systems that support daylight and natural ventilation
- Reduced HVAC, dehumidification, and lighting loads and costs
- Expandable gable end design for phased future growth
- Reliable project delivery with early budgeting and engineering support
- Long term warranty and experience



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