

Exploring Alternative Construction A Sprung Structures and Myrtha Pools Case Study Idaho Competitive Aquatics



Facility Resource Hub Webinar Series brought to you by:





Partnership Update



- CSCA has set up a Facility resource hub powered by Myrtha Pools in partnership with WTI-<https://cscs.org/facilities.aspx>
- All CSCA Coaches, PSO's and Clubs can access this content
- PSO's are encouraged to provide a link to the resource hub and will be extended free start up consulting conversations to activate facility advocacy strategies.
- Myrtha and WTI provide 2 additional Webinars in 2025
 - May 1 Must haves for Sport training Venue Design
 - June 19th Developing your Facility business plan

Panelists

Part 1 Setting the Stage

- Dan Thompson Myrtha Pools Canada Country Manager
- Chris Hindmarch-Watson CSCA Executive Director

Part 2 Panel Discussion

- Dan Thompson, Moderator
- Mike Mintenko , Myrtha Pools USA Director of Sales
- Lynne Douglas, Sprung Structures, Regional Business Development Manager
- Stu Isaac, President ISG Consulting

Hypothesis- Canadian Coaches, Clubs and Entrepreneurs working with municipalities or alone have the capability to build their own sustainable facilities providing positive cash flow and return on investment.

Imperatives

- Functional Revenue Centric Design
- Professional Management
- Focused on, learn to Swim and Daily Training and Competitions.
- Strong Diverse Advocacy Booster Groups



Paradigm Shift

From



To

- Pools Lose Money(Cost of doing Business)
 - Poor Business Plans
 - Coaches/Clubs as Renters
 - Coaches not at the planning table
 - Award Winning Buildings with Pools
 - Swimming for Some
 - Combative Stakeholder Relationships
- Pools Make Money(100% plus cost recovery)
 - Entrepreneurial Proactive Revenue Focused Business plans
 - Coaches/Clubs as Owners
 - Coaches an important part of the planning table
 - Functional buildings with award winning Pools
 - Aquatic Learning Centers for All
 - Collaborative Stakeholder Relationships

Case Study

Coach/Community Trust- Partnership

- All in cost of the facility-\$18.8MUSD (\$275 per square foot)
- 8 X 50 M Tank with 2.5 M lanes
- 6x25 M Tank with 2.5M lanes
- Traditional construction same footprint costed out at \$38.8M
- Construction 100% privately funded
- \$7M Dollar Mortgage- 8 year pay down period
- 18 months to positive cash flow

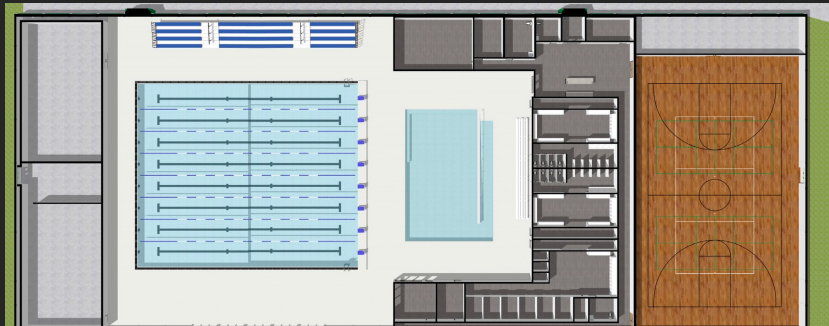
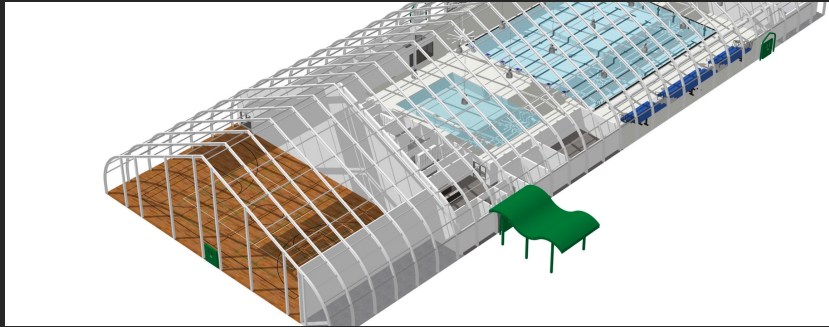




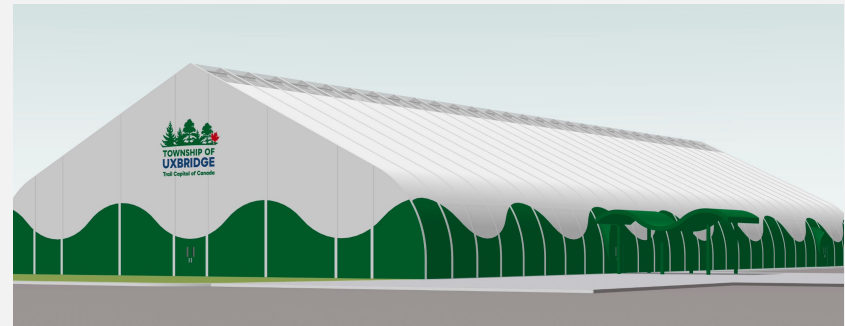
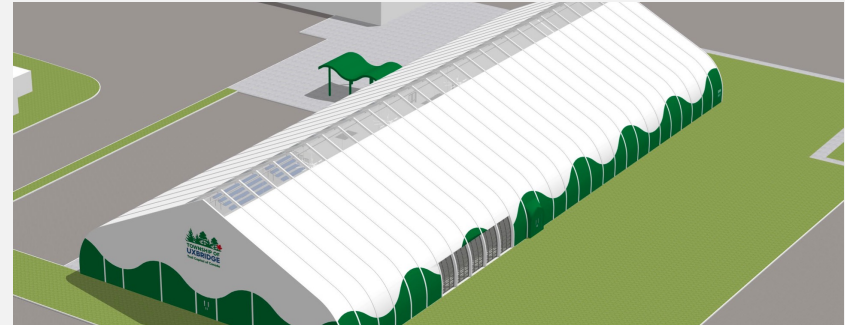
The background is a solid dark purple color. It features several decorative elements: a cluster of white dots in the top-left corner, a larger, irregularly shaped area of white dots in the top-center, a smaller cluster of white dots in the bottom-left corner, and several large, soft-edged, organic shapes in a lighter shade of purple scattered across the background.

Panel Discussion

Community Training Centre Concept Township of Uxbridge (Proposed)



- \$14M for the Aquatic Centre /\$16M with the Gym



Who to Contact

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Lynne Douglas

Sprung Structures, Regional Business Development Manager

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Stu Issac

President, ISG

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WTI Presents Must have's and Current trends in Design of Aquatic Learning & Training Centres

Up Next MAY 1



- Coaches, Clubs, and Community Advocacy groups are front line stakeholders in conversations with consultants, municipal staff and philanthropic donors. WTI the world's leading water consultant will explore aquatic trends in design with the aim of helping aquatic stakeholders articulate their needs in the context of other recreation and leisure interests. The goal of the session is educating participants on design options, empowering participants on how to sell revenue centric sport training and learn to swim programs while still enabling community recreation programs.
- This session will talk to fundamentals of good sport training environments(lane width, Head walls, Bulkheads, Depth, deck space , timing systems, Scoreboards, Stands, Amenity Rooms, Storage, Dry land space, HVAC, and much more.
- WTI will rely on their extensive design portfolio and draw upon case studies and client testimonials where relevant.

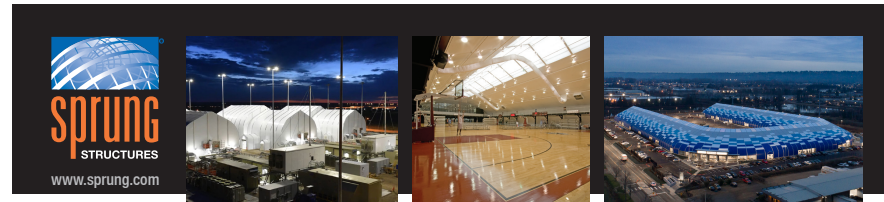


Back up Slides



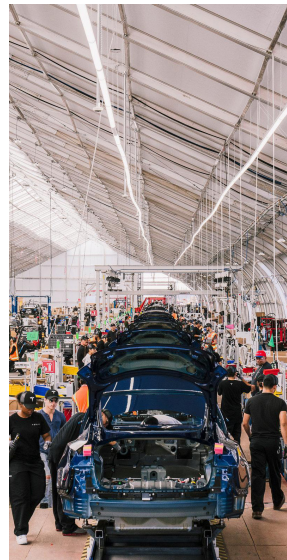
Why Consider Engineered Technology Solution?

- New structure 50-year warranty on aluminum Structure Sprung Structure/25 on the Membrane structure plus 25-year Material Warranty on Myrtha Tanks.
- Plug and display Modular approach will see completion within 1 year start to finish
- Modular sustainable Construction provides strong talking point for grant applications
- New structure has the potential to earn over 40 LEED credits and will be viewed as a sustainable building for CSRIF.
- New structure will produce 50% of embodied carbon that a traditional construction bricks & mortar construction
- New structure will reduce operating costs by estimated 30%.
 - Saving on heating(R 45 installation)
 - Saving on chemicals(superior filtration)
 - Savings on water consumption(regenerative media)
 - Savings on power requirements(High efficiency pumps)
- New structure will create 60% more water area hence driving the ability to develop incremental revenue from enhanced programs and regional municipalities and 3rd party rentals.
- The therapy tank provides an opportunity to create a hydrotherapy clinic driving incremental revenue



Rapidly built, tensioned membrane structures for all industries.

12,000+ projects | 100+ countries | Est.1887



Core Capabilities

Sprung's precision-engineered, clear-span structures are built with military-grade, rust-free aluminum alloy and tensioned membrane.

- Built within weeks
- Immediate shipping from inventory
- 30' to 200' wide, by any length
- Minimal foundation requirements
- Relocatable, reconfigurable, expandable and resilient
- Permanent or temporary use
- Airtight building envelope
- Energy-efficient insulation packages
- Meets most building codes and standards around the world
- Application-specific structural and design options
- Durability for extreme climates and severe weather

Differentiators

- **International expertise:** With projects in 100+ countries, we understand the complex nature of business in different nations and have the experience to support clients anywhere.
- **Aluminum vs. steel:** Sprung's military-grade aluminum alloy offers significant advantages over steel construction, including corrosion resistance (ideal for coastal areas), lighter weight, superior performance, malleability and durability. Our aluminum substructure is backed by a 50-year pro-rata guarantee.
- **Speed:** Inventory with immediate shipping is available for urgent projects. Non-insulated structures can be built at a rate of up to 2,000 square feet per day (1,000 square feet per day if insulated).
- **Build anywhere:** Our structures have minimal foundational requirements and can be erected on existing concrete, asphalt parking lots or natural earth.
- **All-weather durability:** Engineered for extreme climates, with past performance in severe weather including hurricanes, blizzards and sandstorms. The fire-resistant exterior architectural membrane endures temperatures from -60°F (-51°C) to 122°F (+50°C).
- **Permanent or temporary:** Structures are engineered for permanence but can be reconfigured, expanded, disassembled or relocated.
- **Options for any application:** Diverse structural and design options (including fiberglass insulation packages and customizable entryways) support application-specific demands.
- **In-house leasing program:** Options to lease or purchase.

Sprung Instant Structures Ltd.

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Market Sectors

NON-INDUSTRIAL

- Government
- Disaster Recovery
- Commercial
- Hospitality
- Sports & Recreation
- Corrections
- Places of Worship
- Education
- First Nations/Native American Tribes
- Homeless Navigation Centers

INDUSTRIAL

- Military
- Aviation
- Manufacturing
- Transportation
- Environmental
- Construction & Warehousing
- Oil & Gas
- Mining
- Power/Energy
- Controlled Environment Agriculture

Core Applications

- Offices and administrative centers
- Aircraft hangars
- Disaster-response shelters
- Pandemic facilities
- Homeless navigation centers
- Fire stations
- Gymnasiums, arenas and fitness centers
- Dining halls
- On-mountain day lodges
- Controlled-environment agriculture
- Large-vehicle maintenance
- Manufacturing
- Bulk storage
- Mine production
- Modular multipurpose space
- Oil and gas
- On-site warehousing
- Public works salt storage
- Research facilities
- Shipping/receiving expansion
- Safety facilities

Past Performance

Sprung has completed over 12,000 projects globally. We deliver proven, rapid-build solutions engineered for long-term use, which is why hundreds of the most recognized and established operations and businesses in the world have chosen us to meet their structural facility needs.

Select Past Projects

- Fort Wainwright Alaska – 2020 Stryker tank maintenance
- Tesla – Model 3 production facility
- Rio Tinto – Mongolia warehousing
- USPS – San Francisco, CA sorting facility
- Operation Desert Storm – MRAP maintenance facilities, 11 bases erected in 6 weeks from order
- U.S. Virgin Islands Department of Education – emergency schools after Hurricanes Irma and Maria
- City of Los Angeles – “A Bridge Home” initiative
- Ford Motor Company – Kentucky plant warehouse
- SpaceX – Boca Chica, TX assembly plant
- Denver Airport – Snow management equipment warehousing
- FedEx – Oakland, CA Cargo sort facility
- Blue Origin – Kent, WA corporate headquarters
- Government of Ontario – COVID-19 pandemic response facilities

Select Clients

- AECOM
- Apple
- Bechtel
- BHP
- Blue Origin
- Boeing
- City of Los Angeles, Homeless Division
- Denver International Airport
- DynCorp International
- Facebook
- Federal Emergency Management Agency
- FedEx
- Fluor
- Ford Motor Company
- General Dynamics
- Google
- Halburton
- Harvard Business School
- Hilton Hotels
- Honeywell
- Lockheed Martin
- Marriott Hotels
- Mercedes-Benz
- NASA
- NEU Communities
- Northrop Grumman
- Oshkosh Corporation
- Raytheon Technologies
- Rice University
- Rio Tinto
- Rivian
- Roy F Weston Inc.
- Saddleback Church
- SpaceX
- Tesla
- The Salvation Army
- U.S. Army Corp of Engineers
- U.S. Postal Service
- U.S. Virgin Islands, Department of Education
- UPS Inc.
- Vail Resorts

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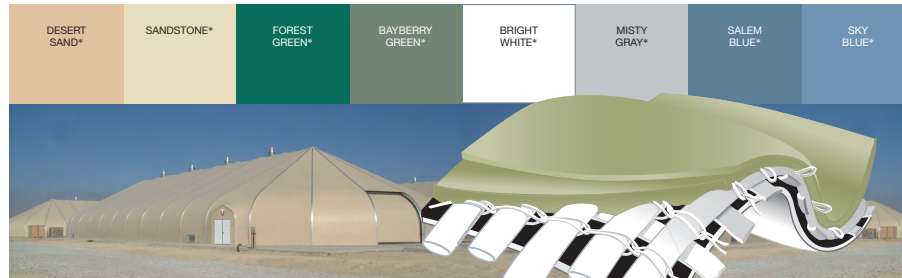
Our Aluminum Substructure Far Outperforms Steel

While conventional building construction still relies on steel as its primary substructure material, every Sprung structure is built to last with a far superior aluminum material. Aluminum substructures offer greater versatility and performance, and arrive on site prefabricated and ready to assemble quickly and easily. Because of their strong and versatile aluminum substructures, Sprung structures can withstand extreme weather and environmental conditions.

Advantages of Sprung's Aluminum Substructure

- **Rustproof**
Unlike steel and wood, aluminum performs extremely well in humid conditions.
- **Lightweight**
Aluminum is about 1/3 the weight of steel.
- **Strong**
Aluminum meets or exceeds building codes for strength.
- **Versatile**
Aluminum can be extruded into virtually any shape. Connections are butted, not welded.
- **Economical**
The ratio of strength-to-weight equals more value for less weight.
- **Long-lasting**
With an indefinite life expectancy, aluminum actually gets stronger with age.
- **Environmentally Friendly**
Aluminum is 100% recyclable, with no generational loss of quality.

Aluminum has an indefinite life expectancy. It is strong, lightweight and maintenance-free.



www.sprung.com
info@sprung.com

DuPont™ Tedlar®

Architectural Membrane Color Chart

The selected Pantone color numbers are a visual interpretation of the Tedlar colors.

Membrane Color	Pantone Color
Desert Sand	PMS 726-C
Sandstone	PMS 7500-C (70% screen)
Forest Green	PMS 568-C
Bayberry Green	PMS 5625-C
Bright White	White
Misty Gray	PMS 428-C
Salem Blue	PMS 5415-C
Sky Blue	PMS 2148-C

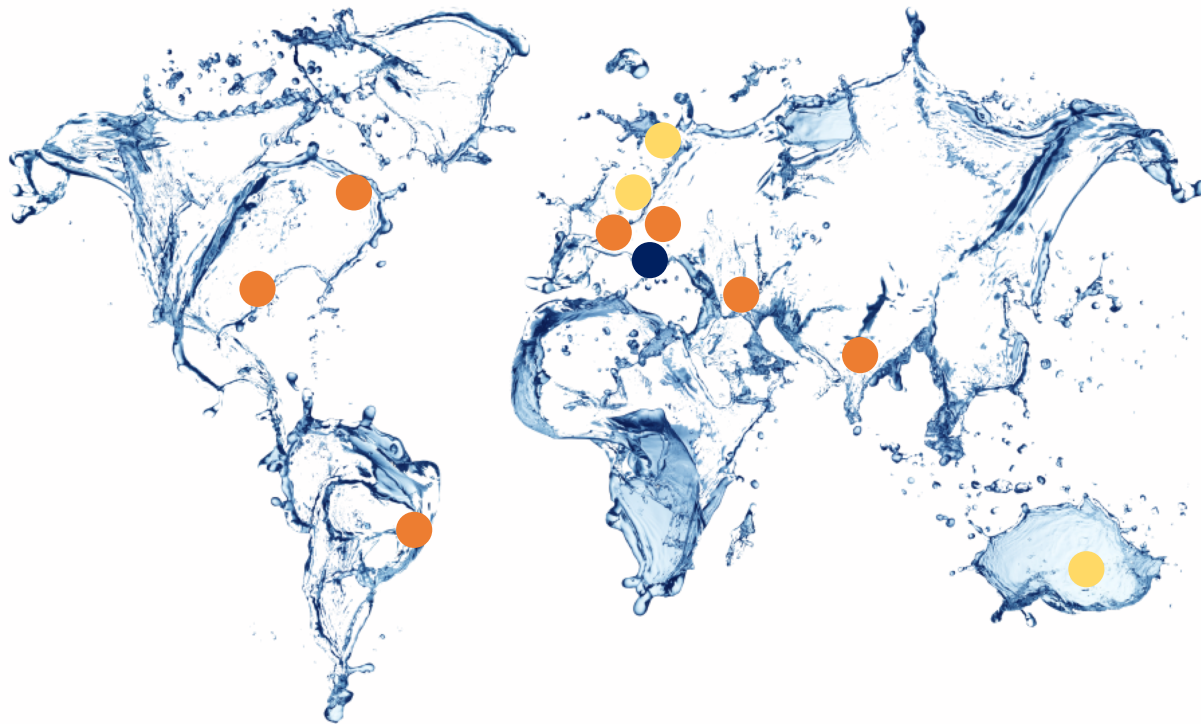
Designed for permanent or long-term applications

- Simply the longest-lasting fabric of its type in the world
- Blackout design prevents solar gain and manages climate control
- Weighs approximately 24 oz. per square yard
- Guards against UV and airborne contaminants
- Dramatically extends membrane life
- High strength, rip-stop design
- Exceptional fire-retardant capability
- Available in large selection of colors
- 25-year pro-rata guarantee

*The above color chips are not true and accurate representations of the actual membrane color. Please request a membrane sample prior to ordering.

Durability, color choices and ease of cleaning are among the many hallmarks of the architectural membrane of your Sprung structure.

THE WORLD'S LEADING STAINLESS-STEEL POOL COMPANY



72

countries

350+

direct employees

7 + 3 upcoming

subsidiaries

400

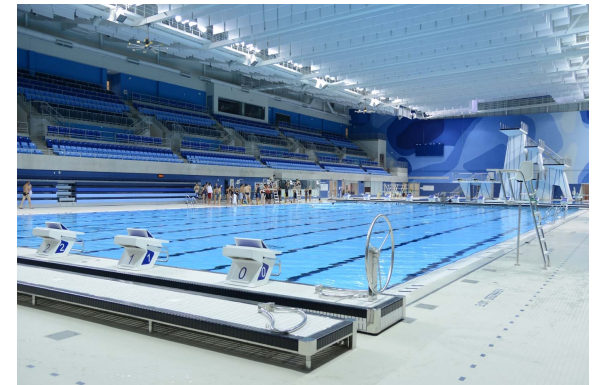
representatives

1.500 swimming pools a year

more than 350

large size pools

But we are also about fun,
leisure and wellness!



Myrtha Technology

Quality Components



Modular Panels

- Hard Bonded PVC
- Marine Grade Stainless
- Lightweight
- Thermo resistant
- 100% Customizable

Resilient Design



Buttresses

- Modular & Scalable
- Millimetric Precision
- No Welds - Bolted
- Seismic Advantages
- Fast Construction

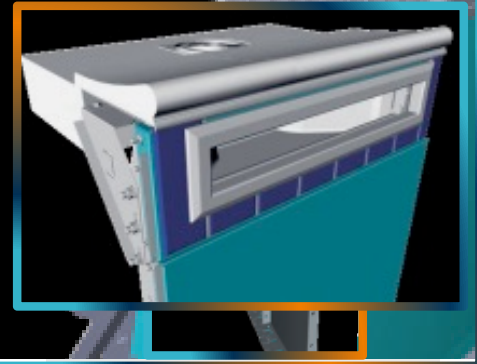
Flexible Waterproofing



Membrane

- Evolution 5
- Easy to Clean
- Inert & Anti-UV
- Durable, Flexible
- Membrane Transitions
- Pleasant, Soft Feel

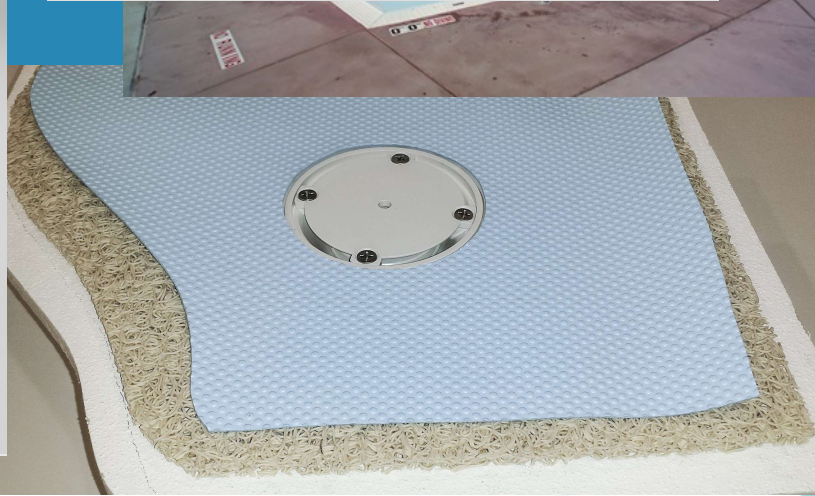
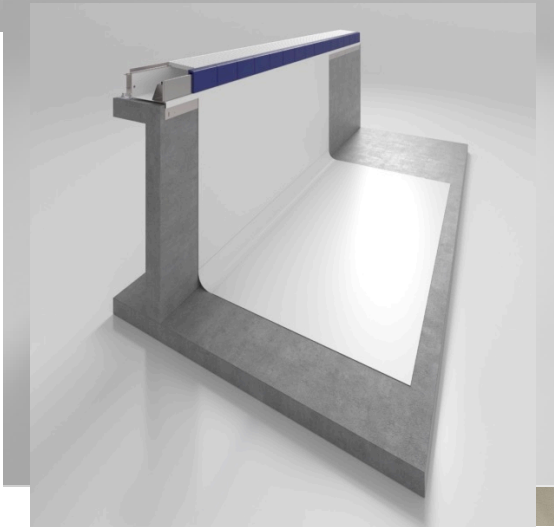
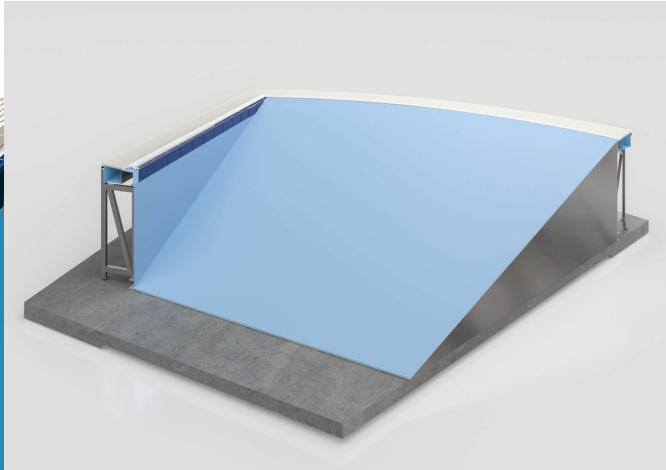
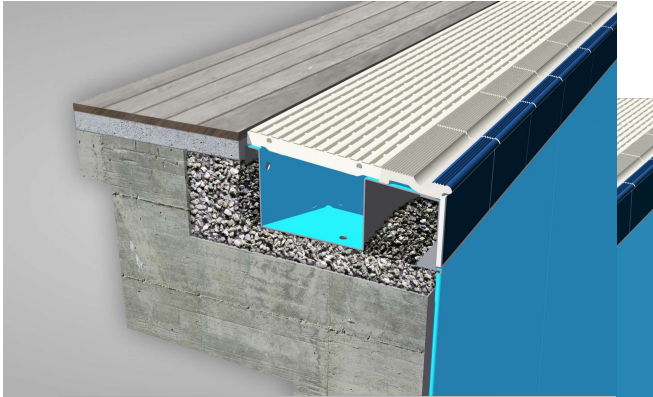
Precise Solutions



Gutters

- Skimmer
- Rimflow
- Hidden Gutte
- Infinity Edges
- Cascades
- Custom

Myrtha RenovAction®



Myrtha Innovation

