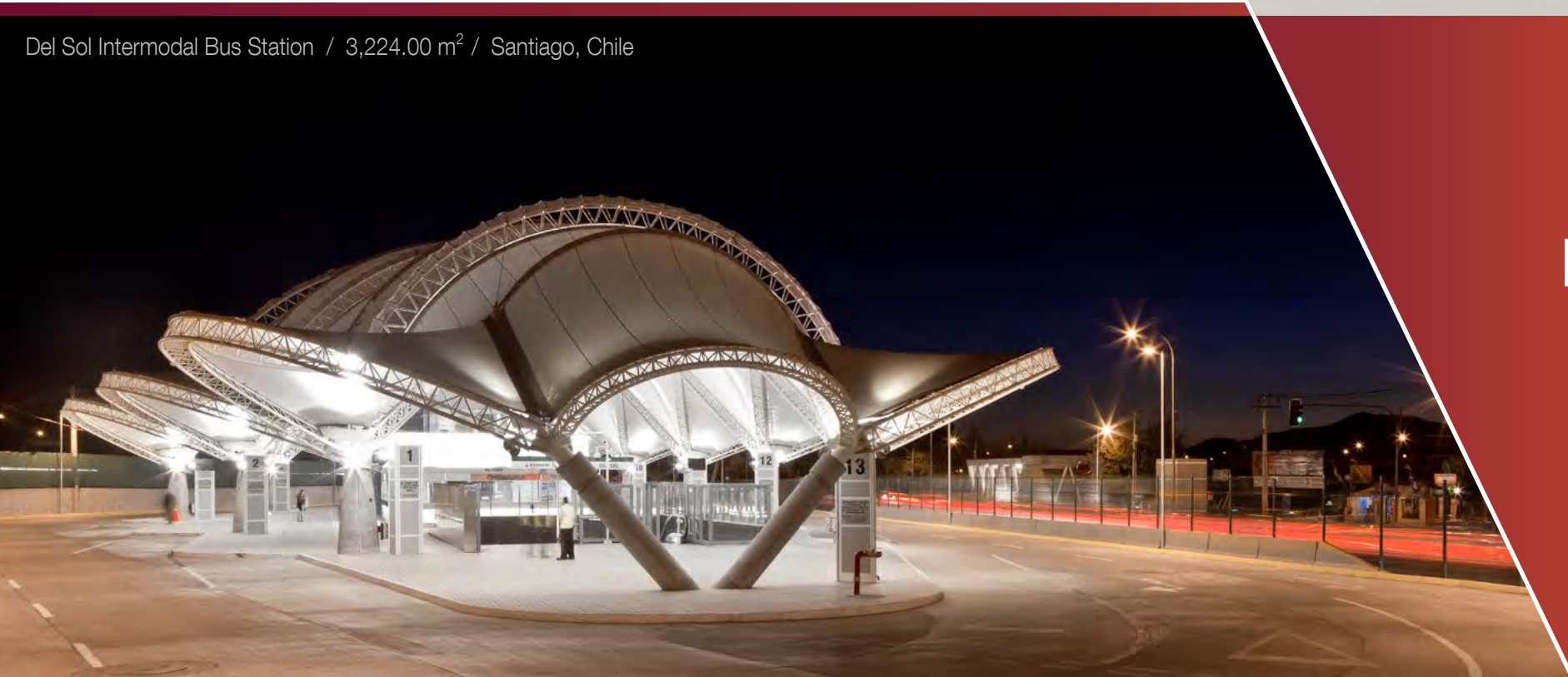
Laguna Sur Metro Station / 2,279.00 m^2 / Santiago, Chile

cidelsa
TENSILE STRUCTURES



Del Sol Intermodal Bus Station / 3,224.00 m^2 / Santiago, Chile

CITIES OF THE FUTURE

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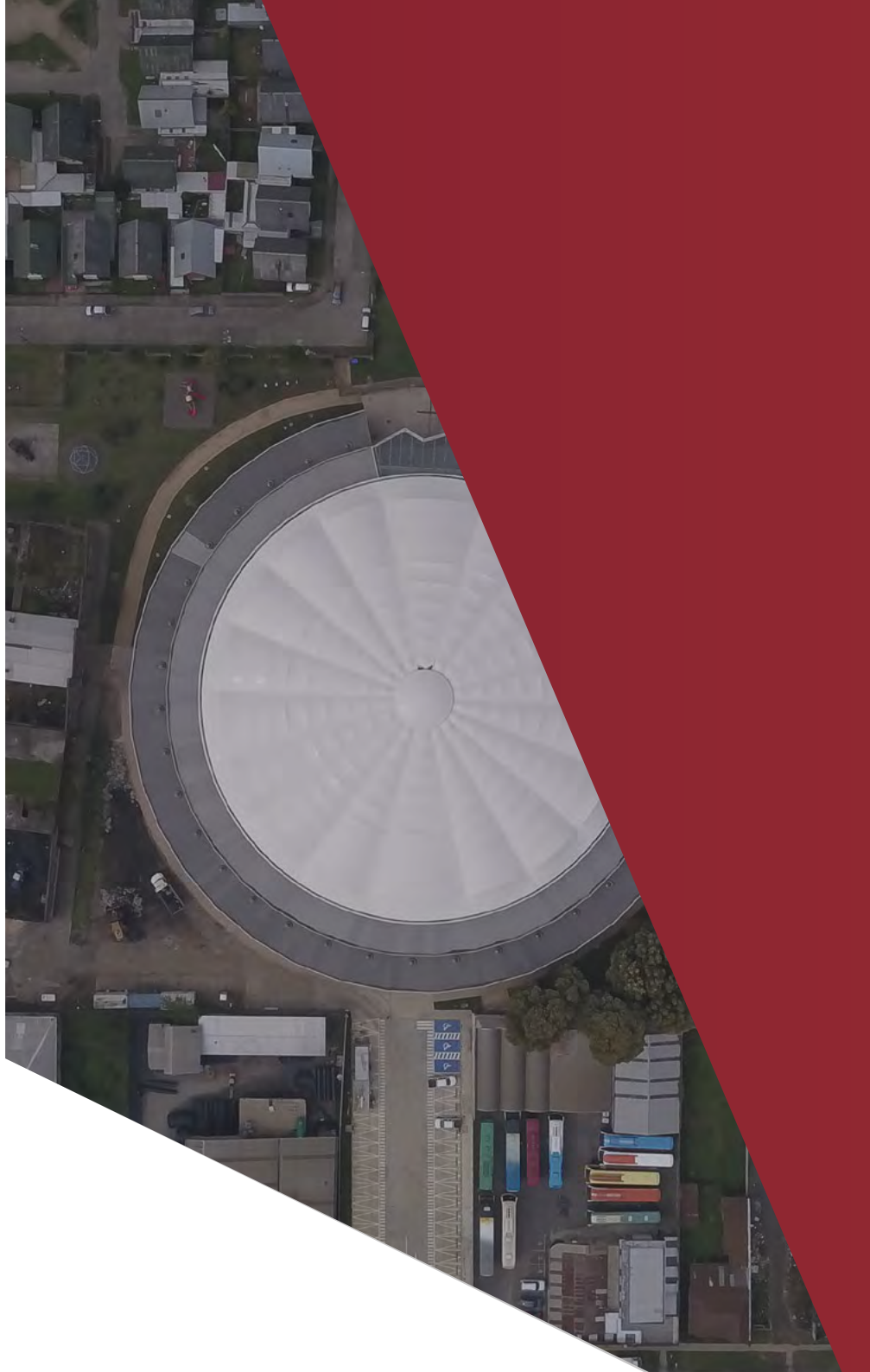


CIDELSA TENSILE MEMBRANE STRUCTURES

We are a company specialized in tensile membrane structures with over 30 years in the Latin American market. Our constant technological development translates into an ample array of solutions and concepts which allow us to stay at the forefront of innovative design.

Lucio Fariña Fernández Municipal Stadium / 7,800 m^2 / Quillota, Chile.

CONSULTANCY AND DESIGN

Our staff of architects and specialized engineers utilize only the latest technology in architectural, structural and industrial design. Every stage of the development and execution of the project is carried out with software that guarantees maximum precision and accuracy.

AESTHETICS, FUNCTIONALITY AND SUSTAINABILITY

DESIGN AND REGULATION

- Unlimited possibilities in shapes and colors.
- Attractive and harmonious compositions.
- Enables the creation of large covered spaces with open plants that can be adapted to irregular areas.
- Amplifies and maximizes visibility in covered spaces.
- Anti-seismic.
- Built under all ASTM standards,
- Meet all requirements for UV protection and anti-flame treatment.

ECONOMY

- Its construction process, the simplicity of its elements and its low weight allow the reduction of the time needed to execute the work.
- Easy assembly, disassembly and relocation makes it a feasible alternative for temporary and itinerant solutions.
- The covering materials do not fade and have a long life span.

TECHNOLOGY

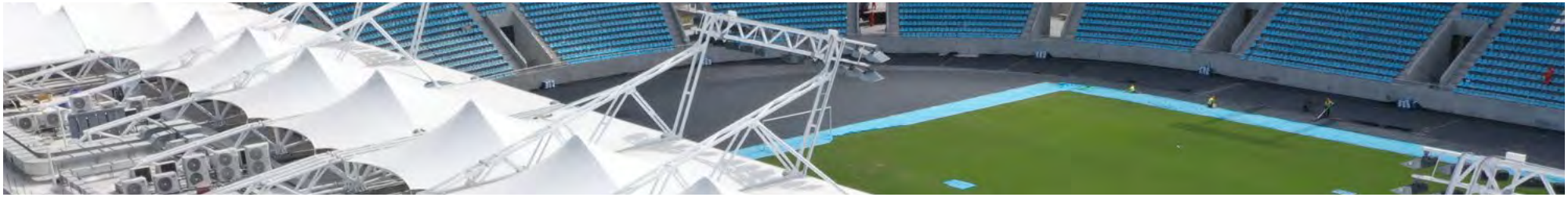
- The progress made by the textile industry motivates architects and designers to search for new formal solutions for architecture.
- Resistance and durability tested in aggressive climatic conditions and in permanent buildings.

ENERGY EFFICIENCY

- Reduced energy consumption through better light efficiency.
- White BO-treated membranes reduce the incidence of heat to the interior space.
- A double layer with membrane and insulation systems provide thermal and acoustic benefits to the system.

MEMBRANE

The technical developments achieved in the research and manufacture of synthetic materials has led to obtaining lighter membranes with greater mechanical efficiency (tensile and shear strength), greater chemical resistance (to ultraviolet rays, among others), with a variety of percentages of translucency and opacity, as well as meshes in a range of colors for use in shaded areas. Our quality control laboratory allows us to put our materials, geometry, unions and finishes under tension tests.



DESIGN AND STRUCTURAL CALCULATION

Our specialists determine the adequate type of metal, as well as the appropriate treatments for the finishes, ensuring the durability of the work. Our quality control follows the complete process of each project from beginning to end.

ASSEMBLY

The installation process in each project is carried out by a team of specialists with vast experience in assembly at height, led by an expert supervisor during the entire execution of the work. This allows us to guarantee our process and the permanence of our final product over time.

QUALITY ASSURANCE

One of Cidelsa's mandatory guidelines is to perform a rigorous control during the whole membrane manufacturing process. A specialized laboratory allows us to carry out tension and seal resistance tests, ensuring compliance with the project's technical specifications. The monitoring of the cut and finishes of patterns and fabrics is carried out to confirm their congruence with the membrane manufacturing plans.

OUR COMPREHENSIVE PROCESS

- Architectural design
- Structural Engineering.
- Membrane development and manufacturing
- Manufacturing and assembly of metal support structures and accessories.
- Logistics and handling of materials and equipment.
- Quality Assurance
- Project management and supervision.

THE MEMBRANE AND ITS TRANSFORMATION

The membrane's transformation process is high quality and meets all safety, protection and environmental agent resistance standards. The manufacturers of the raw material are recognized as the best at an international level. To transform these materials, we have cutting-edge technology, prestigious software and personnel experienced in:

- Interpretation of plans and details

- Computer-aided tracing and cutting

- Organization of materials

- Welding, finishing work

- Packaging and logistics

PVC

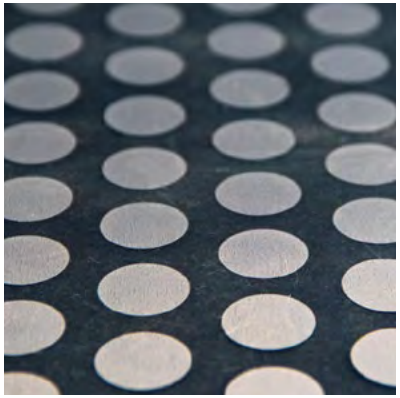
MEMBRANE

MESH

ETFE

TRANSPARENT

PATTERNS



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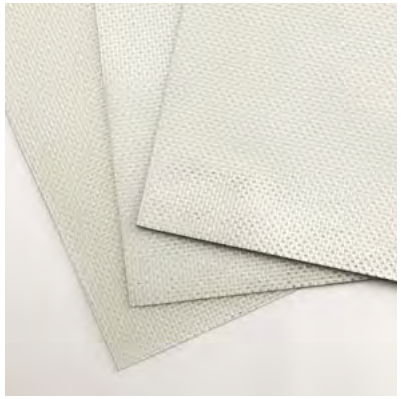
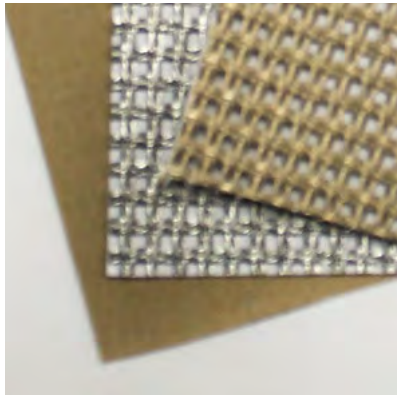


MESH



50 YEARS OF EXPERIENCE IN HIGH FREQUENCY WELDING

Cidelsa has a high frequency manufacturing plant with more than 110KW of installed capacity, having manufactured more than 4 major sports stadium projects simultaneously in 2008.

A recent project, Impala, the largest minerals warehouse in Latin America, has been realized with an average monthly production of 26,000 m², a record production (cut, high frequency welding and finishing) of panels and fabrics, with a total area of 120,000m² for the project.

30 YEARS OF EXPERIENCE IN TENSILE MEMBRANE STRUCTURES

For more than 30 years, Cidelsa has designed and executed important works in Peru, Chile, Argentina, Ecuador, Colombia, Mexico, Guatemala and the USA; it has a staff of skilled professionals who innovate in the field of Textile Architecture and who have been recognized internationally through awards in design and architectural quality.

RECOGNIZED INTERNATIONALLY

Cidelsa has been recognized with the International Achievement Award in 2007, 2008, 2011, 2015 and 2017 for the following works: Alameda del Río, Lima Sur Plaza, Barena Plaza, Casa Andina, the British Peruvian School (Peru), the District Secretariat of the Environment (Colombia), as well as Train Stations and the Intermodal Bus Station (Chile).

OUR RECOGNITIONS

British Peruvian School - Kindergarden Playground / 856 m^2 / Lima, Peru

Laguna Sur, Parcelas and Monte Tabor
Metro Stations / 6,757 m^2 / Santiago, Chile

TOP WINNER MEJOR OBRA EN LA CATEGORÍA TENSOESTRUCTURAS

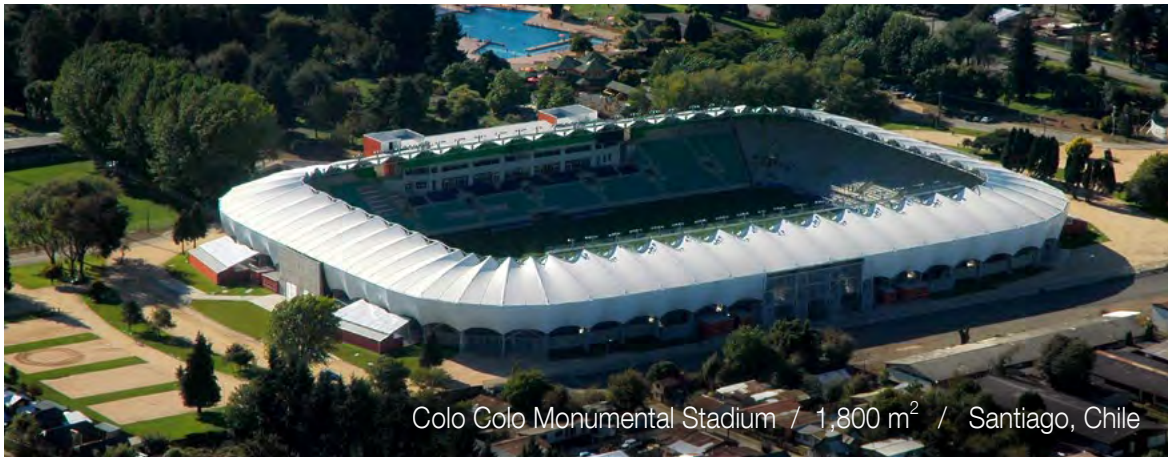
2017 IFAI AWARD OF EXCELLENCE
INTERNATIONAL ACHIEVEMENT AWARDS

BEST IN CATEGORY
FABRIC STRUCTURES

Impala Mineral Warehouse
Max. light: 80m / Height: 34m
Covered area: 120,000 m^2
Lima, Peru

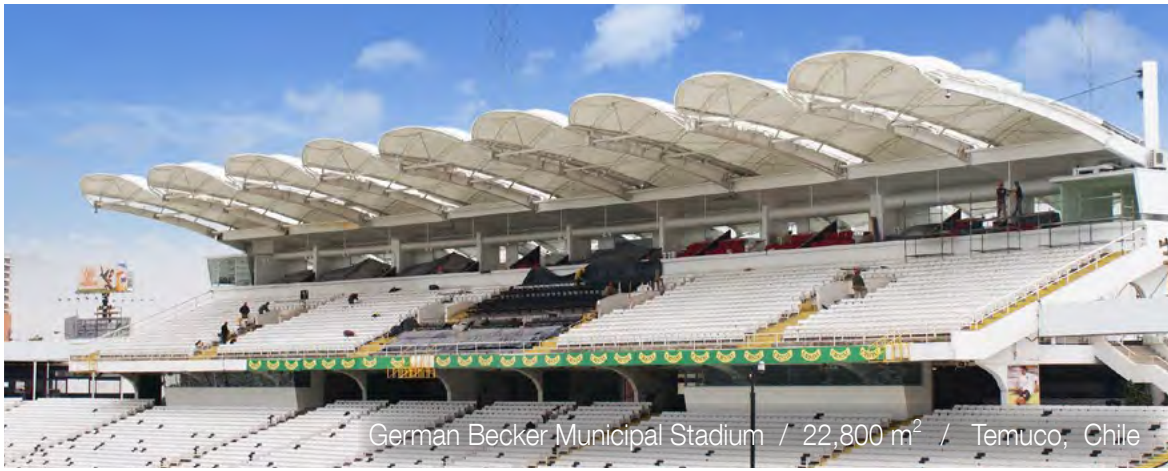
Peruvian National Stadium / 20,7745 m^2 / Lima, Peru

Nelson Oyarzún Arenas Municipal Stadium / 6,800 m^2 / Chillan, Chile

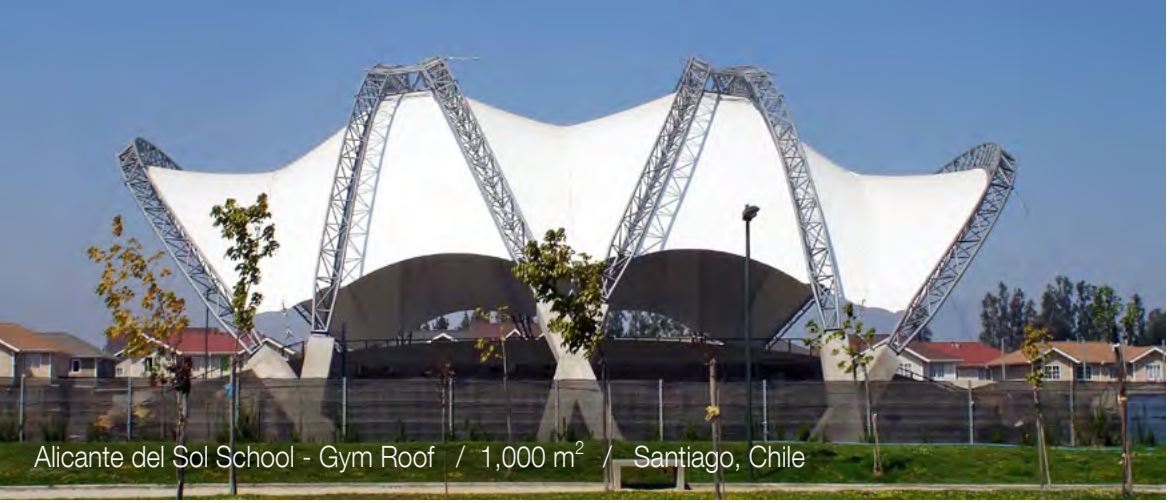


Colo Colo Monumental Stadium / 1,800 m^2 / Santiago, Chile

Lucio Fariña Fernández Municipal Stadium / 7,800 m^2 / Quillota, Chile

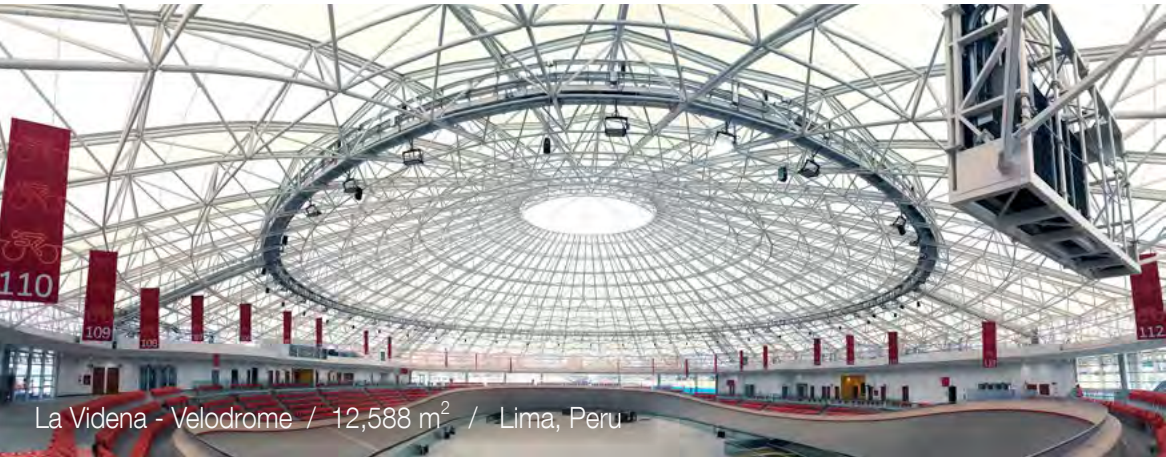


German Becker Municipal Stadium / 22,800 m^2 / Temuco, Chile



Alicante del Sol School - Gym Roof / 1,000 m^2 / Santiago, Chile

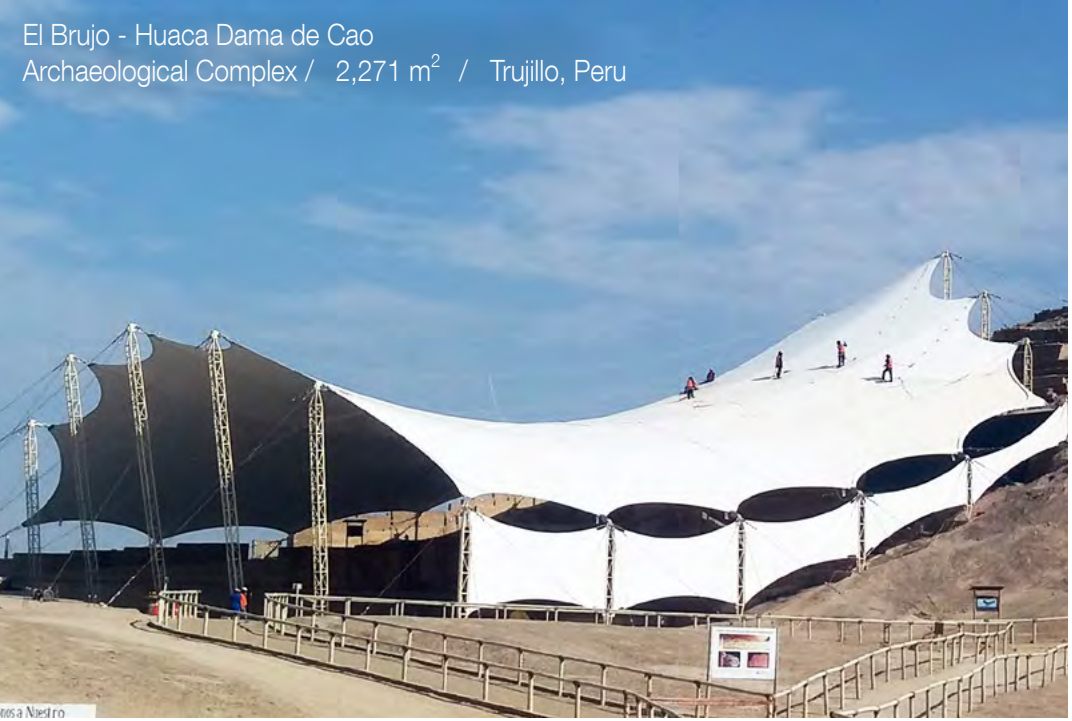
Liceo Excelencia San Pedro - Tennis Court
948 m^2 / Santiago, Chile



La Videna - Velodrome / 12,588 m^2 / Lima, Peru

Los Lagos Fiscal Stadium / 986 m^2
Los Lagos-Puerto Montt, Chile

Softball Stadium / 2,250 m^2 / Cali, Colombia


El Brujo - Huaca Dama de Cao
Archaeological Complex / 2,271 m^2 / Trujillo, Peru


Playa Blanca Club - Cafeteria / 529 m^2 / Lima, Peru


Peruvian National Museum
380 m^2 / Lima, Peru


Casa Bodega y Quadra Museum
830 m^2 / Lima, Peru


Pablo Neruda National Railway Museum / 4,998 m^2 / Temuco, Chile

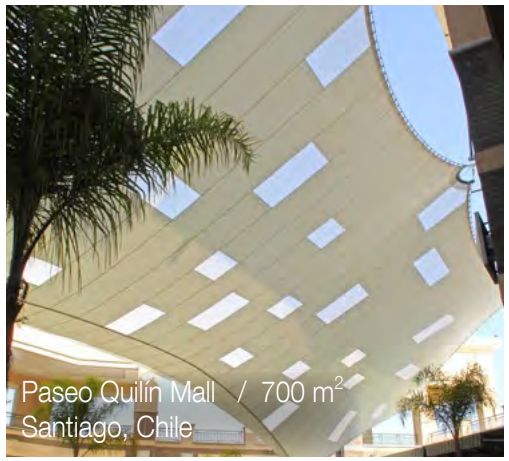

La Rinconada Park - Food Court / 1,308 m^2 / Lima, Peru

CULTURAL CENTERS AND ENTERTAINMENT

Lambramani Shopping Center - Corridors / 603 m^2 / Arequipa, Peru

Real Plaza Chiclayo Shopping Center / 1.660 m^2 / Lambayeque, Peru

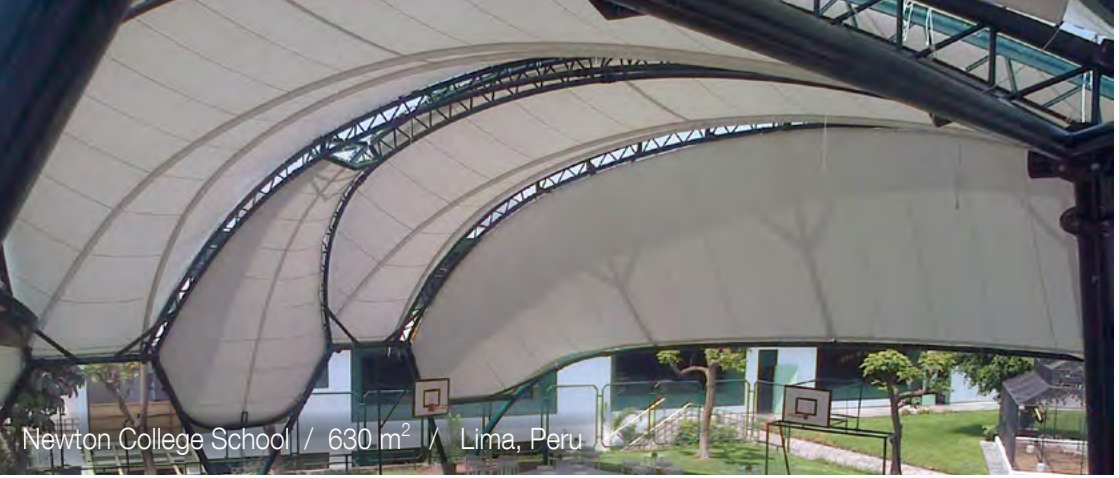
Centro Sur Plaza
980 m^2 / Cali, Colombia



Paseo Quilín Mall / 700 m^2
Santiago, Chile

Megaplaza Independencia - Food Court / 1,166 m^2 / Lima, Peru

La Serrezuela Mall / 2,241 m^2 / Cartagena, Colombia

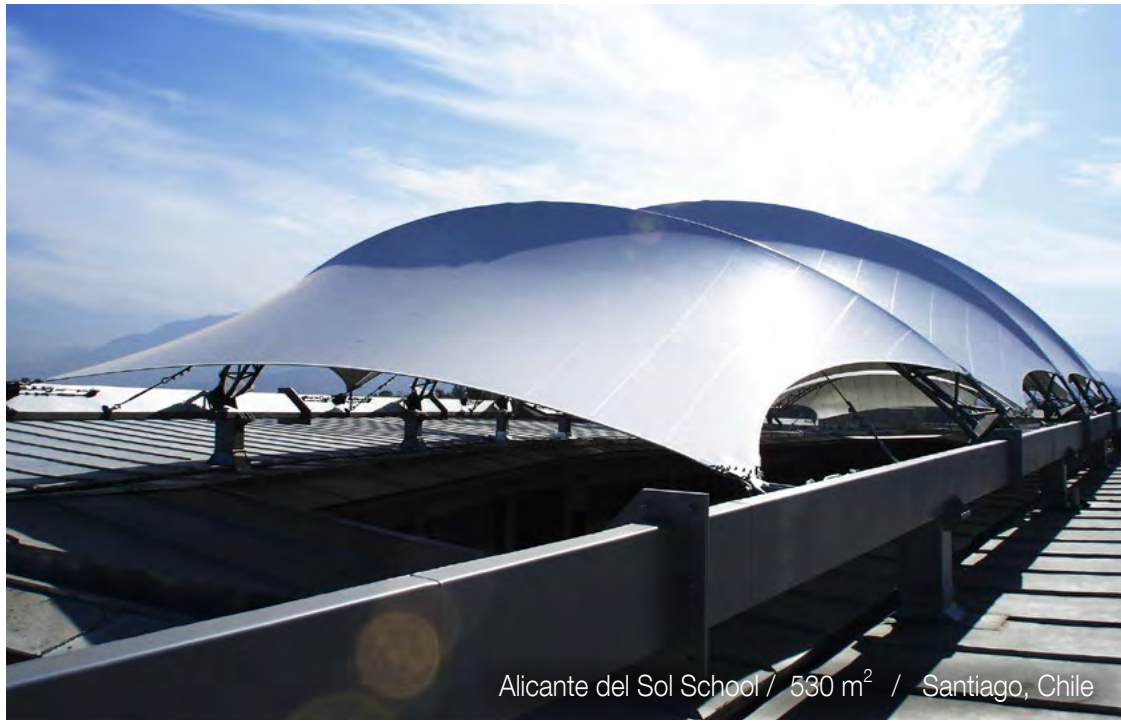


Newton College School / 630 m^2 / Lima, Peru

Newton College School - Early years Playground / 895 m^2 / Lima, Peru

ESAN University - Terrace
621.35 m^2 / Lima, Peru

Private University of the North - UPN SJL / 468 m^2 / Lima, Peru



Alicante del Sol School / 530 m^2 / Santiago, Chile

EDUCATIONAL ESTABLISHMENTS

Villa María School - Main Playground / 1,053.65 m^2 / Lima, Peru

UPC - Cafeteria / 299 m^2 / Lima, Peru

Innova Schools
5,276.40 m^2 / Lima, Peru

Del Sol Intermodal Bus Station
3,224 m^2 / Santiago, Chile

Mirador Station / 3,000 m^2 / Santiago, Chile

Pedreros Station / 3,000 m^2 / Santiago, Chile

TRANSPORT

Monte Tambor Station / 2,251 m^2 / Santiago, Chile

Carlos Valdovinos Station / 3,000 m^2 / Santiago, Chile

Cerro Moreno Airport
8,245 m^2 / Antofagasta, Chile

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YouTube