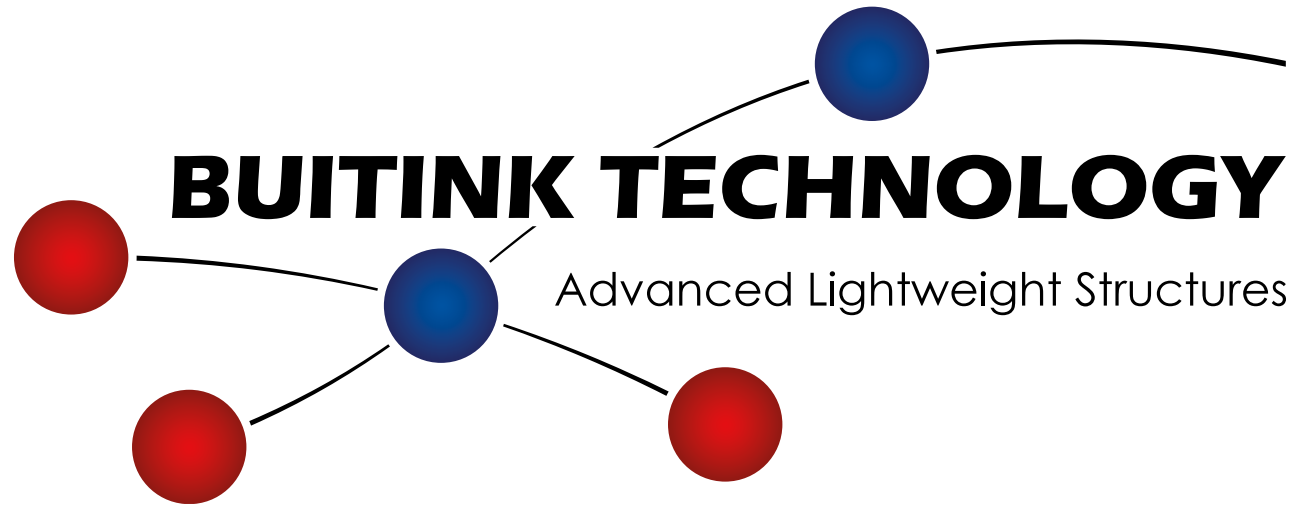




BUITINK TECHNOLOGY

Advanced Lightweight Structures





BUI TINK TECHNOLOGY
Advanced Lightweight Structures





20



22



24



26



40



42



44



46



60



62



64



66



80



82



84



86



100



102



104



106



120



122



124



124

MEMBRANE STRUCTURES

08	ROOF BUS STATION ZWOLLE
10	CANOPY BUS STATION LEIDSCHE RIJN CENTRE
12	CANOPY ON CAMPING ORANJEZON
14	MEMBRANE FOR THE GROWING PAVILION
16	CREMATORY ZORGVLIED - TENSIONED MEMBRANE
18	ABN AMRO - SMOKERS CANOPY
20	LEONIDAS - MEMBRANE COVER
22	PVDV - TENNIS COURT ROOF
24	HOLLAND PTC - TENSIONED MEMBRANE CANOPY
26	FLORIADE - VARIOUS PROJECTS
28	CARRÉ DES ARTS - TEMPORARY CONSTRUCTION
30	TAQA ONSHORE - TENSIONED MEMBRANE
32	SINGAPORE - LILY TREES
34	MONADE - TENSIONED MEMBRANE

(ETFE) AIR-CUSHION ROOFS/FACADES

36	ETFE DOME FOR KRINKELS
38	AIR CUSHION ROOF ZONE.COLLEGE
40	ETFE AIR-CUSHIONS AQUAPARK
42	AIR CUSHION ROOF ATRIUM “EYESCAN OOGZORGKLINIEK”
44	ETFE SKYLIGHTS WALKWAY BISONSPoor
46	ETFE AIR CUSHION ROOF LOBBY BISONSPoor MAARSSSEN
48	ETFE AIR CUSHION DOME BIOSINTRUM
50	ETFE DOMES STATION UTRECHT
52	MADONNA WORLD TOUR - AIR CUSHION ROOFS

54	DE KROMMERIJN - REMOVABLE PVC ROOF
56	SMAC - ETFE WINDOW
58	JINSO - ETFE AIR CUSHION ROOF
60	AIR CUSHION SYSTEM FACADE

SINGLE LAYER ETFE ROOFS/FACADES

62	ETFE PANELS FACADE PARIS
64	ETFE ROOF COURTYARD HUIS BERGH
66	ETFE CLADDING EXTERIOR CANOPY BORDEAUX
68	ETFE SKYLIGHTS CHÂTEAU RANDAN
70	ETFE CANOPY BUS STATION TILBURG
72	WATER RESERVOIR IN FRANCE - ETFE SECOND SKIN
74	ROC ID COLLEGE - ETFE ROOF
76	HVA KOELING BELGIUM - ETFE DOMES
78	ETFE PATIO COVERING

FACADE COVERINGS

80	TEXTILE FACADE CLADDING FOR CHEOPS
82	THIS IS HOLLAND PAVILION - FACADE CLADDING
84	MARKANT - TEXTILE FACADE
86	COMPOST STORAGE IN GEMERT - FACADE CLADDING
88	TIJDELIJKE RECHTBANK - FACADE CLADDING
90	LAURUS - SHOPPING CART

BALUSTRADE CLADDINGS

92	AKZO NOBEL - CANISTERS AND WALLS
94	SINT LUCAS COLLEGE - BALUSTRADE CLADDING

TENSED CEILINGS/WALLS

96	BOLENIUS - CEILING PANELS AND SUNSHADES
98	HOFBAD - TENSIONED CEILINGS
100	TENSIONED WALLS
102	TENSIONED CEILINGS

FLEXTENTS

104	LACOSTE - MEGA STRETCH TENT
106	CHATEAU LA GRACE DIEU - FLEXTENT
108	FLEXTENTS

SPECIAL PROJECTS

110	MARCEL WANDERS - INFLATABLE OBJECTS
112	BNP PARIBAS - DUBUISSON PAVILION
114	EYE - ART INSTALLATION
116	X KWADRAAT - ETFE BUBBLES
118	DUBUISSON - INFLATABLE BALL & MIRRORS
120	FIOLEAF - PATIO ROOF
122	TENSAIRITY - INFLATABLE COVERING
124	SPECIALS

GENERAL INFO

127	CONTACT DETAILS
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MEMBRANE STRUCTURES





ROOF BUS STATION ZWOLLE

Buitink Technology delivered and installed tensed membranes with prints for the roof of a bus station located Hanzelaan Zwolle, The Netherlands.

The size of the covered area is about 13 times 70 meters. On the inside the roof is printed with an artwork, painted by Melle Mijnhardt, Tamme de Boer and Stefan Alberts.

“For visitors of Zwolle the new bus station is the main entrance to the city. Looking up in the travelers tunnel literally an impressive view of our beautiful city is obtained” according to city councillor Ed Anker.





CANOPY BUS STATION LEIDSCHÉ RIJN CENTRE

Buitink Technology did the engineering, fabrication and erection of tensed membranes for a bus terminal in “Leidsche Rijn Centrum” in the Netherlands. The canopy consists of a spatial steel structure of 10 hexagonal tensed so called low point sheets, in between and alongside extended with 18 triangular high point sheets. Additionally 9 high points were placed in the middle of the structure.





hanse staalbouw
meer dan 100 jaar



CANOPY ON CAMPING ORANJEZON

Buitink Technology produced, delivered and installed tensed membranes for a canopy on “Camping Oranjezon” in Vrouwenpolder, The Netherlands.

The canopy consists of five membranes covering a total surface area of about 372 sqm.

As the membrane material is highly translucent a pleasant environment is created, protected against bright sunlight and rainy weather.



MEMBRANE FOR THE GROWING PAVILION

An ode to biobased building on Dutch Design Week 2019 (DDW 2019).

Buitink Technology made and installed a tensed membrane, made of cotton fabric, for the pavillion.

During the Dutch Design Week 2019 the iconic biobased building “The Growing Pavillion” is erected in the centre of the Ketelhuisplein area in the city of Eindhoven, The Netherlands. With this project Company New Heroes and Dutch Design Foundation together with their partners like Fiction Factory, Primum, Krown.bio and Buitink Technology are promoting circular building.







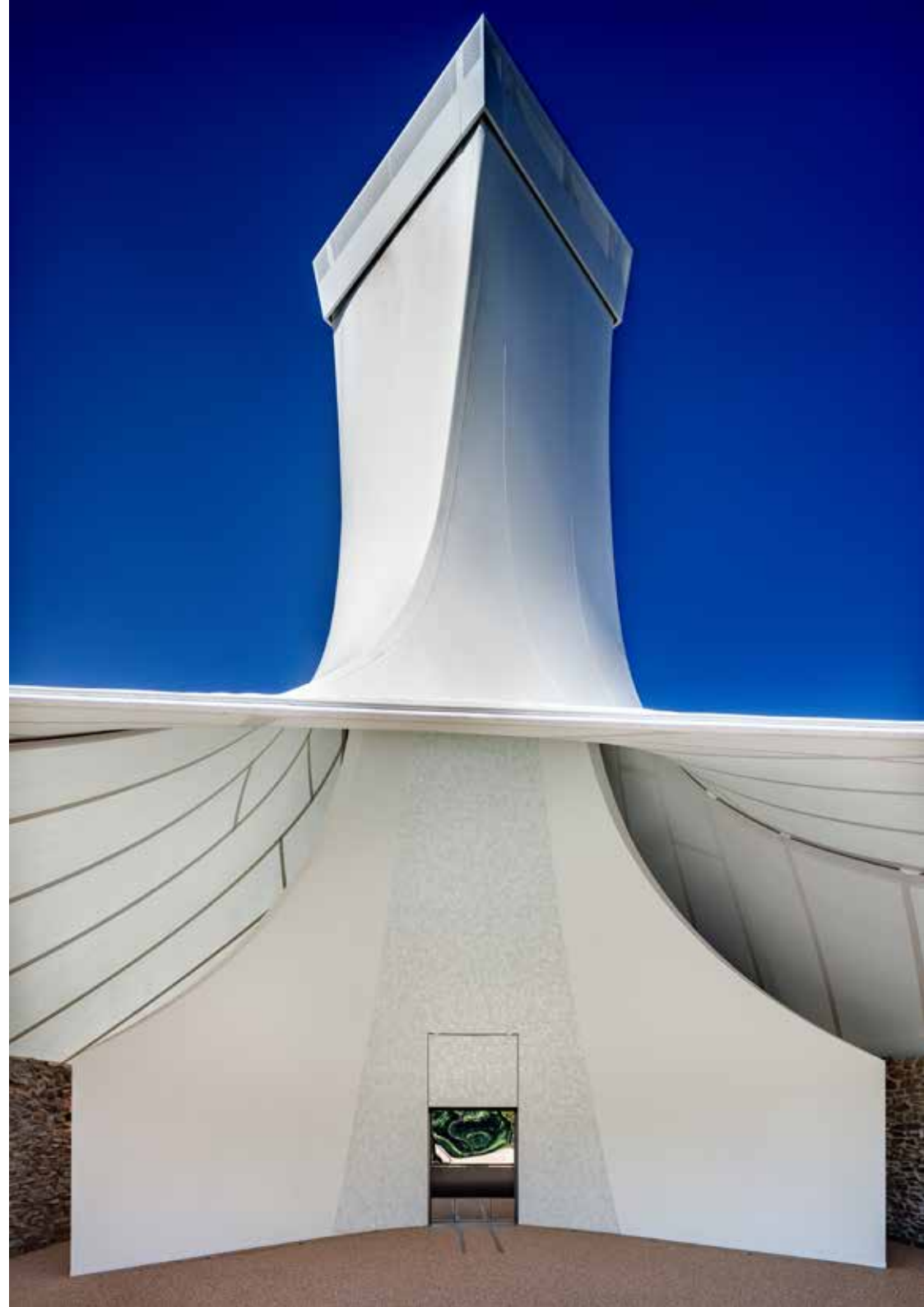


CREMATORY ZORGVLIED - TENSIONED MEMBRANE

Buitink Technology produced and installed a tensioned membrane covering the new crematory *Zorghvlied* in Amsterdam, The Netherlands.

The 16 meter high crematory is covered with a curved and twisted tensioned membrane. The membrane is made of TX30 fabric (a cross link PVDF) of Serge Ferrari, with a guarantee of 25 years.

Architect: Group A





ABN AMRO - SMOKERS CANOPY

Buitink Technology has developed a tensioned membrane canopy on a roof garden of an office building of ABN AMRO in Amsterdam, The Netherlands.

This innovative roof provides protection against bad weather.

Architect: Frijters' Architects









LEONIDAS - MEMBRANE COVER

Buitink Technology has been assigned by Open Cover to deliver and install stretched roof membranes and three fabric walls on the roof of a skating rink and hockey field.

The entire project is realised under supervision of R.H.V Leonidas, Rotterdam, The Netherlands. The covering has a surface of approximately 2.300 sqm. The building is used as a skating rink during winter and as for indoor hockey field during summer.

The roof is made of 10 extended membranes, which are assembled under the steel structure. In the center, the roof is equipped with portable screens, enabling the space to be divided in two parts.





PVDV - TENNIS COURT ROOF

Commissioned by Light Space Technology BV, Buitink supplied and installed two permanent tensioned membranes for the roof of this tennis court.

In close consultation with PVDV and KNLTB the design was created and a covered outdoor court was realized. It offers protection against rain and snow on the court. The club can now be utilised throughout all seasons.

The KNLTB has given PVDV permission to organize competition leagues under this roof. The structures' open character prevents it to be seen as an indoor court. It also meets the provisional principles that are required by KNLTB.

Architect: Guido Bakker Architects

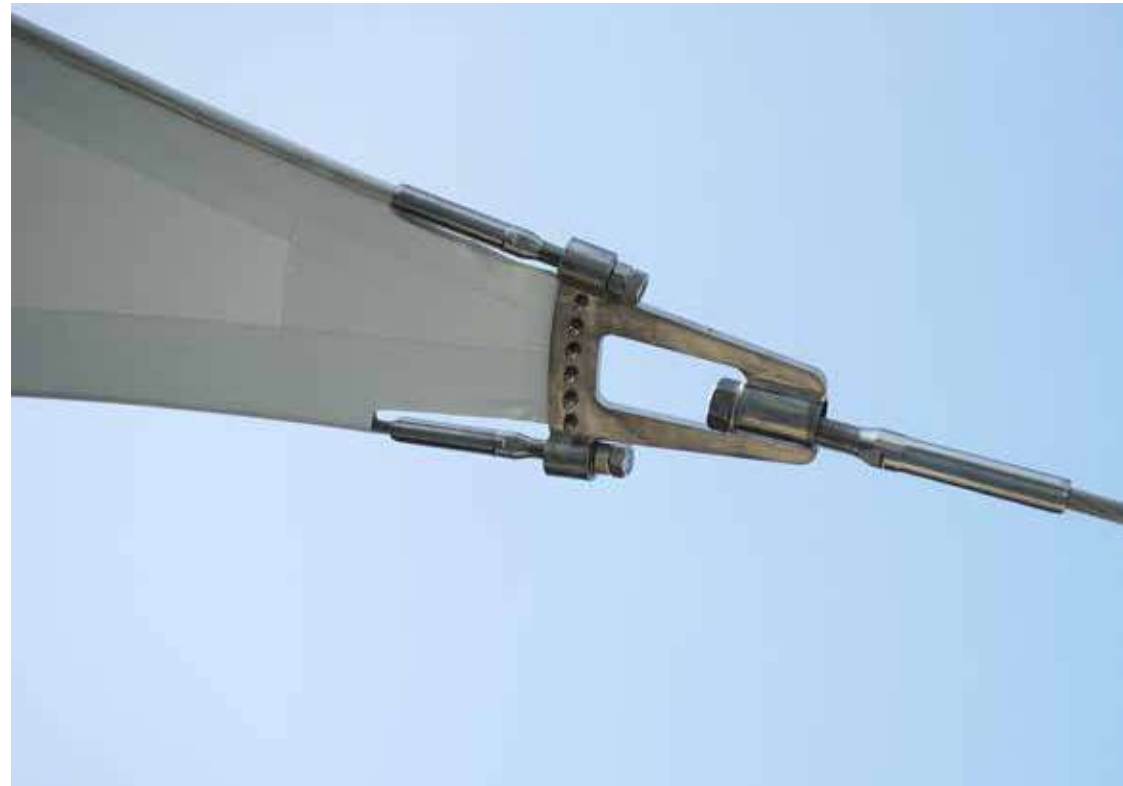




HOLLAND PTC - TENSIONED MEMBRANE CANOPY

Buitink Technology produced and mounted on behalf of J.P. van Eesteren B.V a tensioned membrane canopy for a new site called *Holland PTC Particle Therapy Center* in Delft, The Netherlands.

The canopy has a surface of 80 sqm. The membrane is connected water tight to the wall of the building, other sides tensioned to the facade of the building.









FLORIADE - VARIOUS PROJECTS

Buitink Technology has been assigned by AaDee Infrastructure Industry to supply and install a tensioned membrane as cover for the Floriade Bridge, Venlo, The Netherlands.

The Floriade membrane bridge has a total length of 120 meters, a width of 10 meters and a height of 4.5 meters.

The main bridge has a span of 60 meters. The membrane bridge structure is equipped with a stretched coating of 1000 sqm.

In order to maintain the open character of the bridge, a fine meshed fabric has been used.







CARRÉ DES ARTS - TEMPORARY CONSTRUCTION

In cooperation with and under contract of European Future Structures NV / Veldeman Goup, Buitink Technology has realised the temporary tensioned membrane structure for the courtyard of *Carré des Arts* in Mons, Belgium.

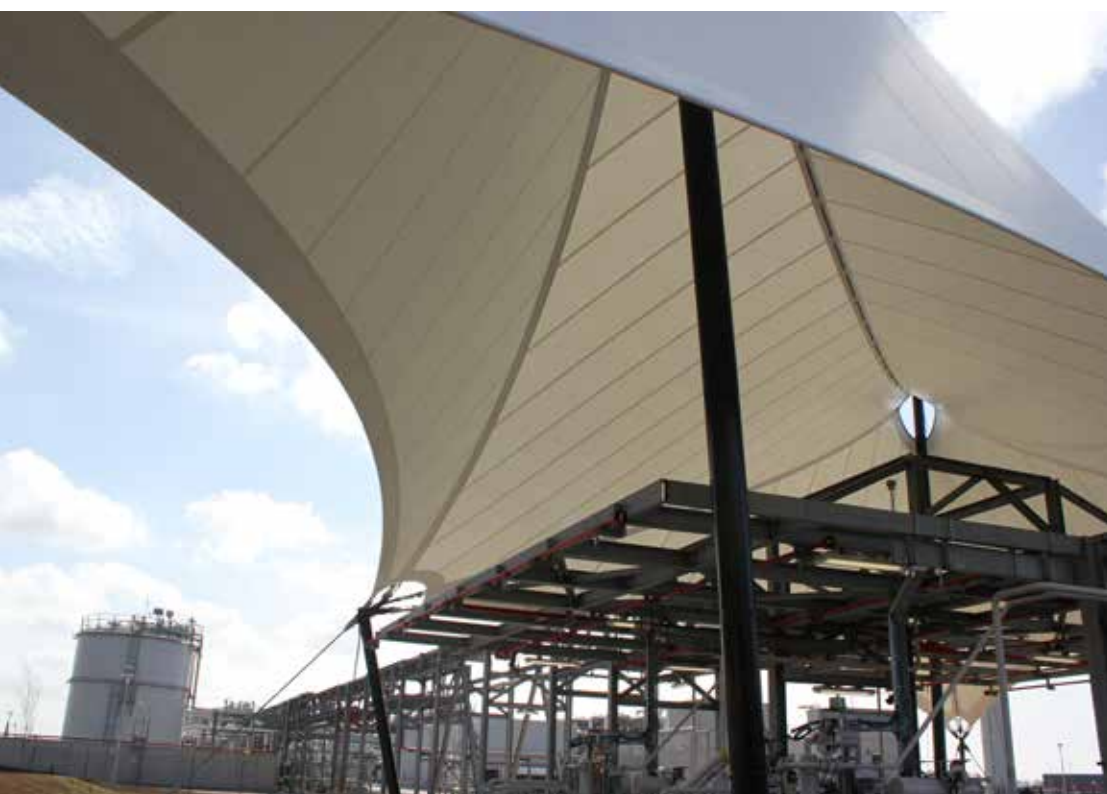
The tensioned membrane is built out of 5 separate modules, connected to each other with stainless steel cables.

Besides the main configuration of 5 modules, it is possible to install only 3 modules. About 60x25 meters of the courtyard is covered by the completed structure.

The membrane modules are mounted on ground level, after which the membrane is lifted by means of integrated lifting systems utilising winches.

Architect: AGWA





TAQA ONSHORE - TENSIONED MEMBRANE

On behalf of TAQA Onshore BV, Buitink Technology produced and installed the tensioned membrane and steel cable systems for the loading dock of their gas storage in Bergermeer, The Netherlands.

The membrane has a surface of 700 sqm. It is made of the TX30 of Serge Ferrari, having a warranty of 25 years!

Architect: Jinx Architecten





SINGAPORE - LILY TREES

Buitink Technology produced and delivered membranes for the *Lily Trees* in Singapore. These are eye catchers in a large (water) play ground and provide shade (sun protection).

Totally 9 "Lily Trees" are placed in the play garden.

Architect: Carve







MONADE - TENSIONED MEMBRANE

Buitink Technology creates innovative ETFE tensile structures and fabric architecture like our movable *Monade* membrane structure.

This specific tensile shade structure can be used as a lounge covering and is storm proof.

The *Monade* tent consists of 17 different colours and has a surface of approximately 900 sqm. Because the *Monade* is constructed out of 8 different parts, it can be installed quickly and can even be installed around a building, tree or any other construction that fits in the inner circle.

Buitink Technology produced the 8 connectable ETFE membranes for the movable membrane structure, which was used during Mysteryland in Hoofddorp, The Netherlands.



(ETFE) AIR-CUSHION ROOFS/FACADES



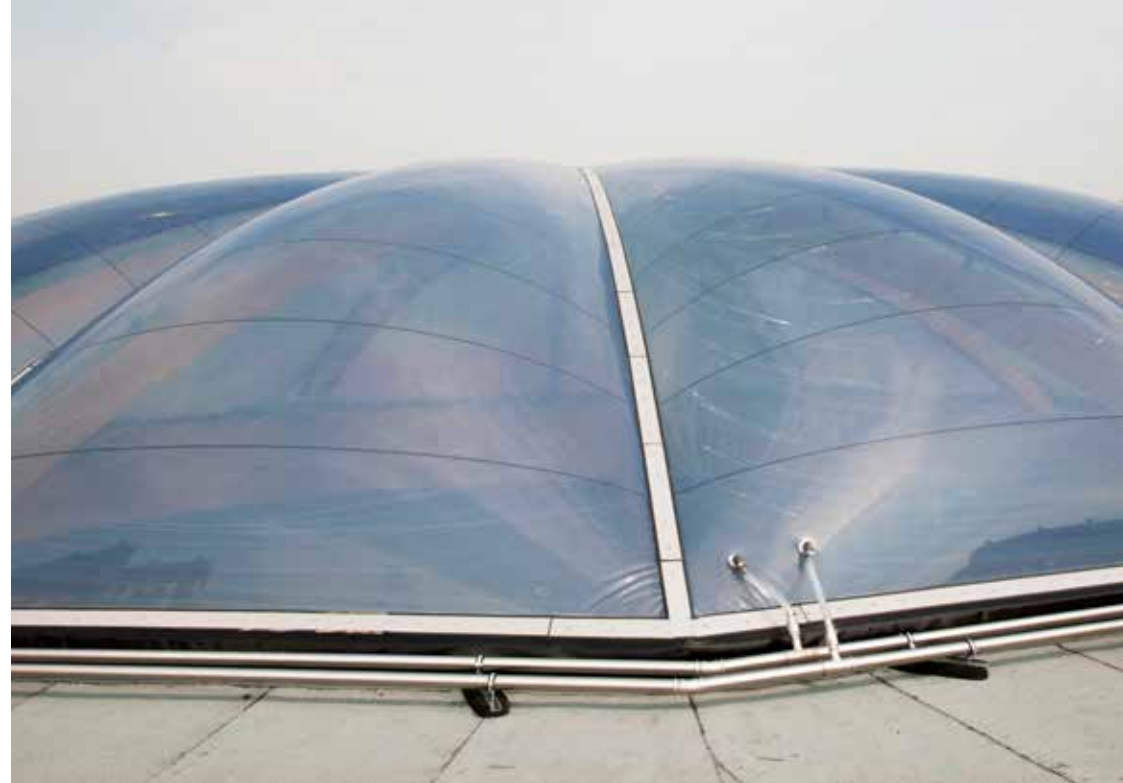


ETFE DOME FOR KRINKELS

Buitink Technology delivered and mounted an ETFE air cushion dome for the new headquarters of “Krinkels” in Breda, The Netherlands.

The headquarters is a two storey building. It’s entrance is a circular atrium with a large round ETFE roof with a diameter of 7 meters. It offers free entrance of natural daylight. This atrium is the main centre of the building, characterized by the monumental tree “Ficus Amstel King”. A symbol for the strong growth of the Krinkels group.





AIR CUSHION ROOF ZONE.COLLEGE

Buitink Technology realized an ETFE air cushion roof on behalf of “Woodteq Houtconstructies” for the new Zone. college in Doetinchem, The Netherlands. A school having so called Green and Innovative education.

The air cushion roof consists of 12 ETFE cushions with a total surface area of about 200 m². The “pie shaped” ETFE cushion arrangement exhibit an outstanding circular roof.









ETFE AIR-CUSHIONS AQUAPARK

Buitink Technology completed the ETFE air cushion roof for the new leisure park "Bellewaerde Aquapark" in Ieper, Belgium.

The overall project comprises two distinct air cushion roofs of respectively 4 and 5 air cushions. Total surface area of the 9 air cushions is 485 sqm.

One single cushion consists of 4 layers of Ethylene tetrafluoroethylene (ETFE) foil (thus 3 air chambers) and is fully transparent for visible light.





AIR CUSHION ROOF ATRIUM “EYESCAN OOGZORGKLINIEK”

Buitink Technology realized an ETFE air cushion roof for the atrium of the “Eyescan Oogzorgkliniek” in Utrecht, The Netherlands. The roof consists of 5 cushions having a total surface area of about 145 m².

The roof consists of 4 layers of ETFE foil (so 3 air chambers). The outer layer is heat reflecting by using a special IR blocking foil. This layer is heat reflecting.







ETFE SKYLIGHTS WALKWAY BISONSPoor

Buitink Technology made inflatable skylights in the new walkway of shopping centre Bisonspoor in Maarssen, The Netherlands. It consists of 6 cushions having a surface area of about 30 sqm. Cushions with a very special and unique shape.

ETFE foil is chosen as material of construction for the skylights due to its self cleaning properties, durability, high degree of transparency and above all for its extreme light weight.



ETFE AIR CUSHION ROOF LOBBY BISONSPoor MAARSSSEN

Buitink Technology realized an ETFE air cushion roof for the new business lobby's dome in shopping centre Bisonspoor in Maarssen, The Netherlands. This roof consists of 5 ETFE air cushions, with a total surface area of about 470 m².

It's unique design and shape being suggestive of dolphins and whales.









ETFE AIR CUSHION DOME BIOSINTRUM

Buitink Technology delivered and installed an ETFE air cushion dome for the BREEAM Outstanding Biosintrum building of Oosterwolde, The Netherlands.

The dome has a free span of 5.8 meter and is made of 4 membrane sheets (i.e. 3 air chambers). An air cushion dome of ETFE foil is extremely durable. Both the foil itself as well as the residual production waste is to be recycled completely. It has a long life cycle of at least 30 years and the material consumption is extremely low (it weighs less than 3 kg/m²). It too has excellent self-cleaning properties and is transparent for the full light spectrum (including UV light).







ETFE DOMES STATION UTRECHT

The Utrecht train station (the Netherlands) square faced a complete make-over. Buitink Technology demonstrated a phenomenal piece of design and engineering work by installing innovative inflatable cushions in the dome at 30 meter height. A total of 49 transparent ETFE foil cushions were placed in the steel framework.



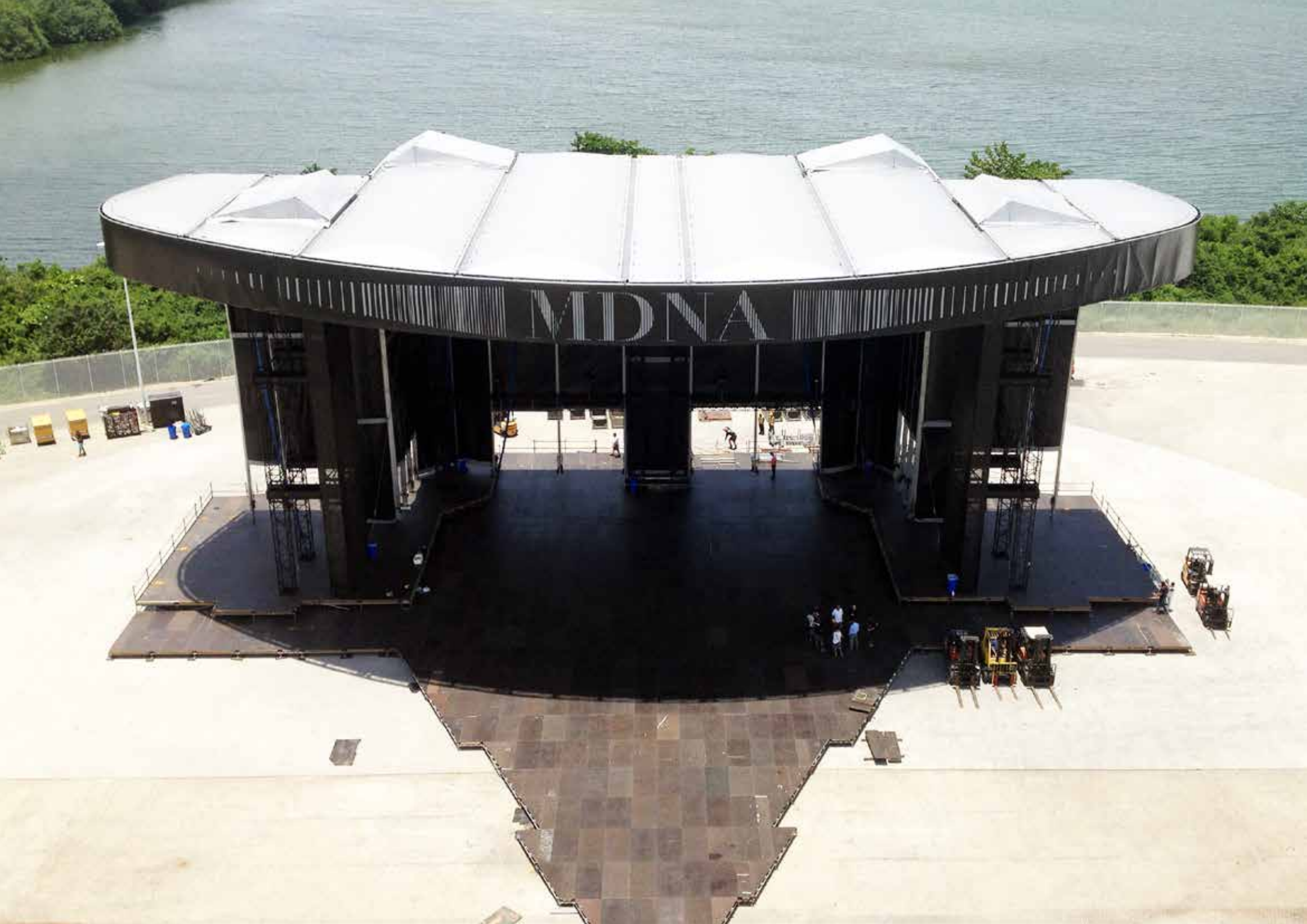
MADONNA WORLD TOUR - AIR CUSHION ROOFS

In cooperation with and under contract of European Future Structures NV / Veldeman Goup, Buitink Technology has realised the inflatable cushions as part of the roofstructure of the four stages used for the Madonna World Tour.

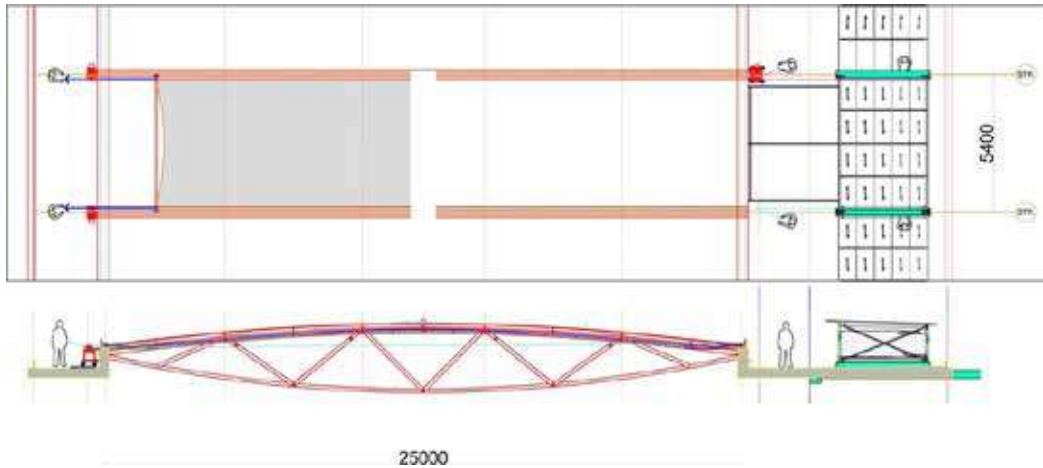
One roof has a surface of approximately 1.100 sqm and consists of 11 separate cushions, the largest having a size of 7x25 meters.

The cushions are filled with air and kept under pressure by means of a blower system that is connected to the cushion system with a plug-and-play connection.

For the MDNA Tour four stages have been built, for which Buitink Technology produced and delivered the cushions, approximately 4.400 sqm in total.







DE KROMMERIJN - REMOVABLE PVC ROOF

Buitink Technology realised a removable and insulated air cushion roof for the new swimming pool *De Krommerijn* in Utrecht, The Netherlands.

The roof consists of 11 air cushions with a total surface of approximately 1.600 sqm. The cushions are composed of two layers of coated fabric.

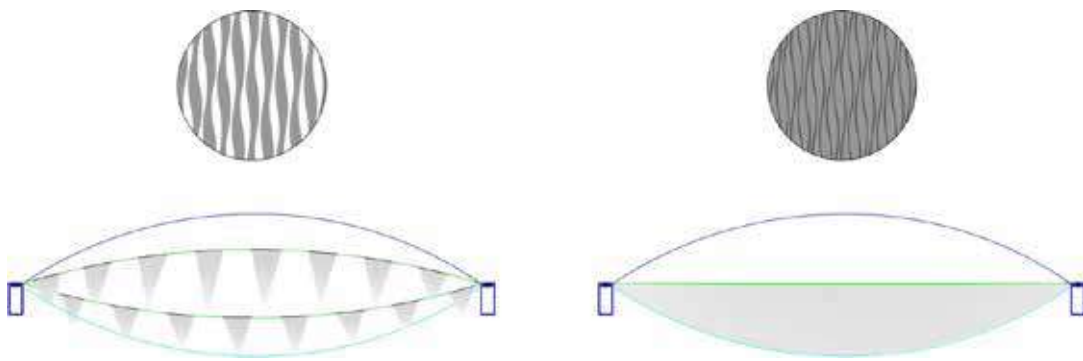
The bottom layer of the air cushions is provided with a layer of vapourproof film, on top of which 10 cm of flexible insulation material is fixed. The air cushions are fixed on 12 beams with a span of 26 meters. The beam structure is stabilised by cables.

During summer the cushions are removed and an open air swimming pool is created. After the summer season the cushions are reinstalled and the swimming pool becomes again winterproof.

Architect: Wehrung Architecten en Jeanne Dekkers Architectuur







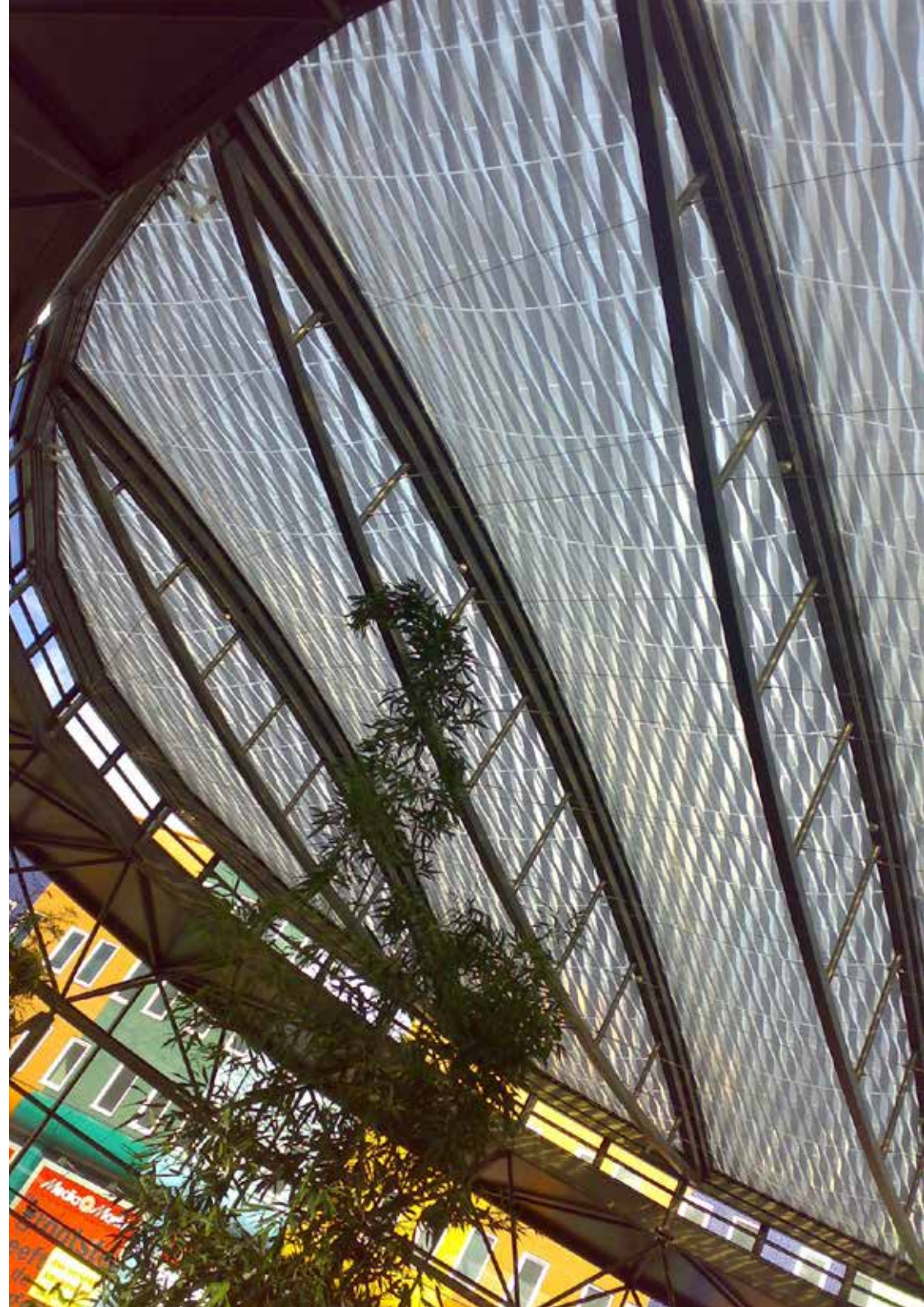
JINSO - ETFE AIR CUSHION ROOF

Buitink Technology has manufactured an ETFE air cushion roof with integrated shading system for *JinSo Pavilion* at the *Arena Boulevard* in Amsterdam, The Netherlands.

The roof area is approximately 600 sqm and consists of 10 air cushions. These cushions are made of four layers, resulting in three air chambers.

What makes this project exceptional is the implemented shading system in the ETFE air cushions. The middle foils of the cushions are equipped with a perpendicular print. By pressing the middle layers against each other, or just by separating them, the degree of shading can be set.

Architect: Cepezed





AIR CUSHION SYSTEM FACADE

Together with French partner Highpoint Structures, Buitink Technology engineered, produced and installed the ETFE air cushion systems in the façade of the new building for the *Maison de la Recherche et de l'Imagination* in Caen, France.

The façade is covered with 15 ETFE cushions, composed of four layers of ETFE film, resulting in 3 air chambers.

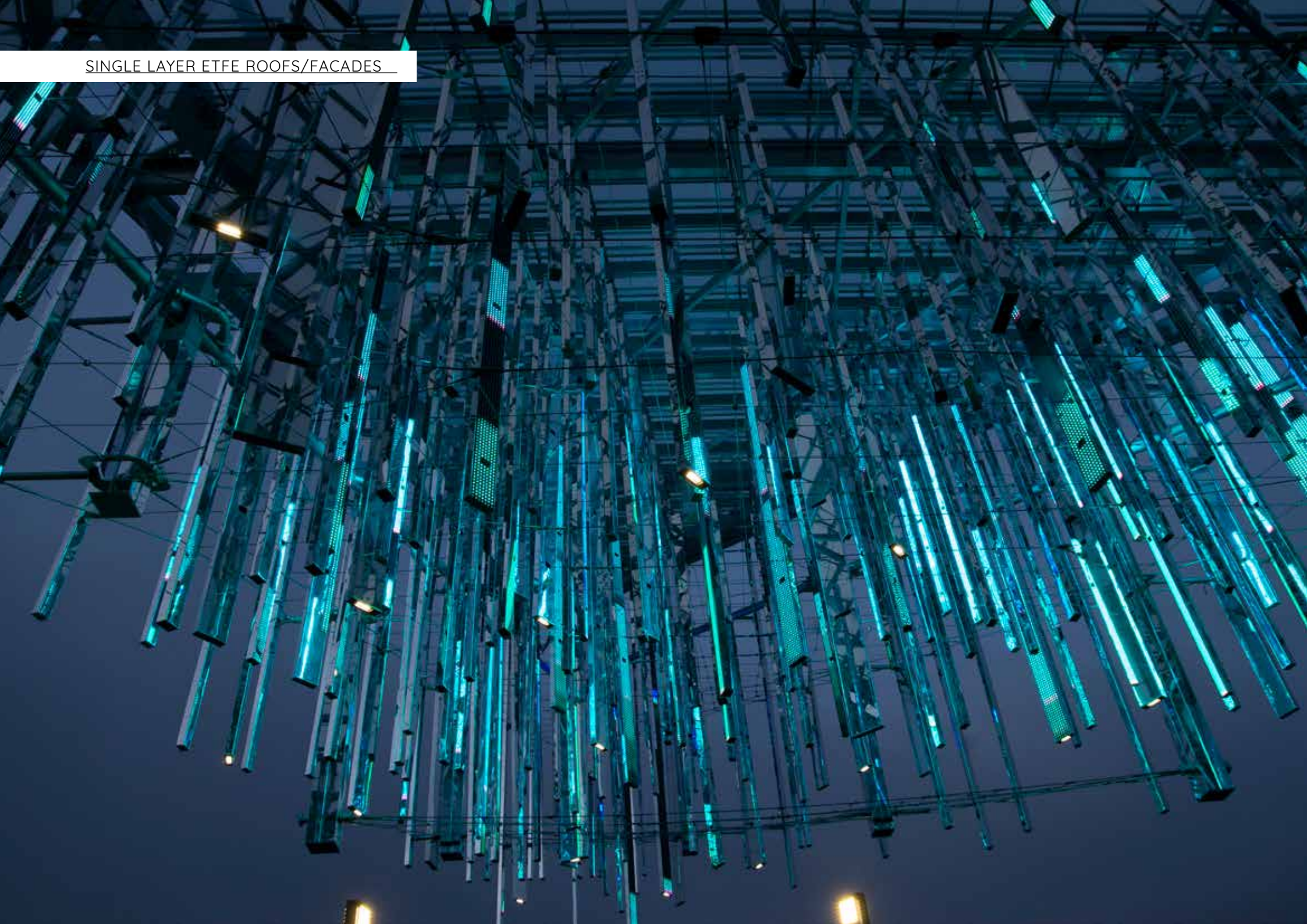
The total surface amounts to 500 sqm.

Architect: Bruther





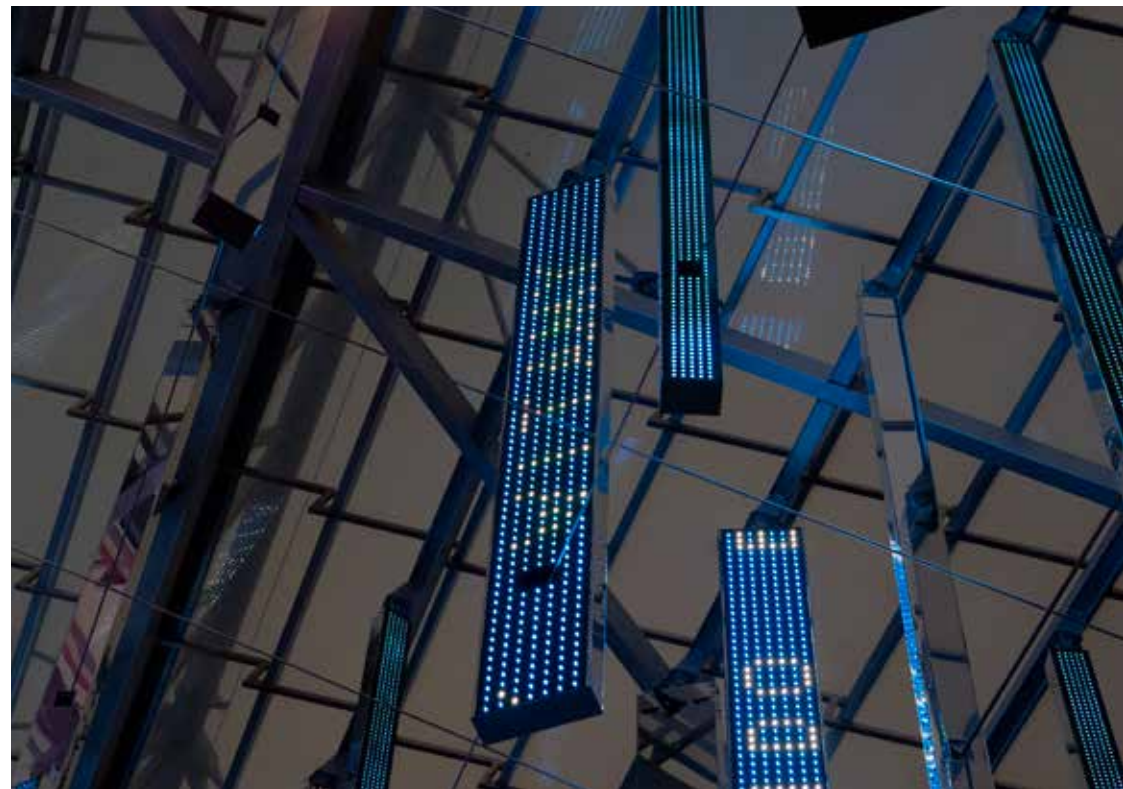
SINGLE LAYER ETFE ROOFS/FACADES





ETFE PANELS FACADE PARIS

Together with its partner Highpoint Structures Buitink Technology designed, produced and installed ETFE panels for the new facade-construction of Paviljon 6 of Parc des expositions de la Porte de Versailles. Total surface area of the ETFE panels comprises about 1200 m² having 78 panels, each one filled with ETFE foil.





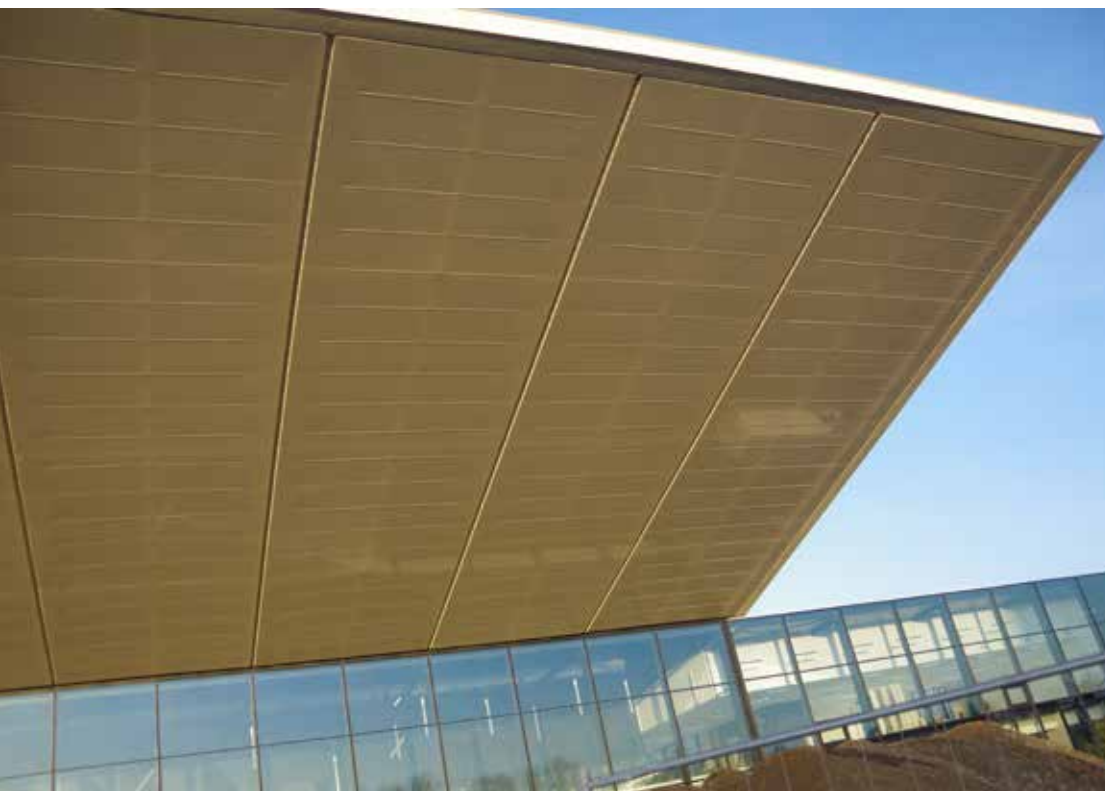


ETFE ROOF COURTYARD HUIS BERGH

Buitink Technology engineered, delivered and installed an ETFE membrane for a roof covering the courtyard of Castle “Huis Bergh”. This castle is one of the biggest castles in Holland, build in the 13th century.

Through this roof the courtyard is protected against sunshine, rain and wind. The total surface area is about 70 m². Covering this area enables public exposure of the original door framework made of “Baumberger” sandstone from the year 1700.





ETFE CLADDING EXTERIOR CANOPY BORDEAUX

In cooperation with her French partner Highpoint Structures, Buitink Technology engineered, delivered and installed a single layer ETFE tensioned cladding against the downside of a large canopy being part of a reconstruction of an exhibition area and congress hall in Bordeaux, France.

Due to its self cleaning properties, durability, high degree of transparency and its extreme light weight a cladding made of a single layer of tensed ETFE foil is a perfect choice.







ETFE SKYLIGHTS CHÂTEAU RANDAN

In cooperation with her French partner Highpoint Structures, Buitink Technology engineered, delivered and installed ETFE membranes for the skylights of the Château de Randan in department Puy-de-Dôme, France.

This project is part of the renovation of castle Randan to increase comfort and protection against rainfall.



cepezed | Lucas van der Wee



cepezed | Lucas van der Wee

ETFE CANOPY BUS STATION TILBURG

Buitink Technology engineered, produced and installed an ETFE foil roof for the new bus station “Spoorlaan” in Tilburg, The Netherlands.

A single layer tensed ETFE foil was chosen due to its self cleaning properties, durability, transparency, light diffusivity and its extreme light weight.



cepezed | Lucas van der Wee







WATER RESERVOIR IN FRANCE - ETFE SECOND SKIN

Together with her French partner Highpoint Structures, Buitink Technology engineered, produced and installed so called second-skin ETFE membranes for a water reservoir in the south of France.

The facade is composed of 10 ETFE membranes, with rain drop print. Total surface of the facade is around 350 sqm.

Architect: Valérie Despagnet





ROC ID COLLEGE - ETFE ROOF

Buitink Technology produced and installed tensioned single layer transparent ETFE membranes and membranes of white pvc coated polyester fabric for the new building of the *ROC ID-College* in Leiden, The Netherlands.

The project consists of about 500 sqm of transparent ETFE membranes and about 250 sqm of tensioned white membranes.

The transparent ETFE membranes cover the atrium, while the white membranes cover the technical equipment on the roof. It's for weather protection and make the equipment invisible for neighbouring buildings.

Architect: Mecanoo Architecten BV









HVA KOELING BELGIUM - ETFE DOMES

On behalf of *HVA Koeling*, Buitink Technology delivered and installed at location 14 ETFE domes. These domes are placed on the roof of the Field *Research Centre* in Maasmechelen, Belgium.

The construction entirely built from SS has a diameter of 14 meter and a height of 3.5 meter. All 14 domes are provided with tensioned ETFE membranes.

The ETFE domes belong to the **Ecotron+** project of the university of Hasselt. In so called “eco system rooms” environmental and climate research is carried out. Each room is equipped with a transparent ETFE dome. ETFE foil has a high light permeability of >95% and is dirt resistant and has self cleaning properties.

Architect: NoA architecten





ETFE PATIO COVERING

On behalf of **Highpoint Structures**, Buitink Technology developed, produced and delivered the ETFE membranes for seven patio coverings in the area of Bordeaux, France.

The total surface of the project is approximately 450 sqm.

The ETFE film is provided with a sun blocking print, which gives a g-value of 0,35. Despite of the high intensity of the print, the membranes are still transparent and one can see through the covering from the inside.



FACADE COVERINGS





TEXTILE FACADE CLADDING FOR CHEOPS

Buitink Technology realized the engineering and construction of a tensed textile wall for Cheops Technology in France.

This textile wall is a so called “second skin facade” and is placed in front of the (glass) building wall. The facade cladding provides a professional look and protects against wind and sunshine. However still it is possible looking out from the inside through the membrane facade.





THIS IS HOLLAND PAVILION - FACADE CLADDING

On behalf of J.P. van Eesteren Buitink Technology provided and installed a facade cladding for the pavilion *This is Holland* in Amsterdam, The Netherlands.

Buitink glued a layer of waterproof vapor penetrable foil (Stamisol Color) on the back wall and installed on top of that a tensioned textile cladding made of canvas gauze.

This tensioned facade covering of Serge Ferrari's FT381 has a weak double curvature and mounted in such a way that the surface gets a "facet" appearance.

Architect: Mopet Architecten





MARKANT - TEXTILE FACADE

Buitink Technology produced and installed the tensioned textile facade for the renewed theatre complex *Markant* in Uden, The Netherlands.

The textile facade is built up out of two membranes, each about 70 meters in length and 6 meters in height, tensioned around an aluminum profile system.

The façade membranes have been provided with 165 vertical ribs, in a repetitive pattern.

Behind the textile facade a LED lighting system has been installed.

Architect: Architectuurstudio HH





COMPOST STORAGE IN GEMERT - FACADE CLADDING

Buitink Technology produced and installed a tensioned facade cladding for the compost storage of mushroom farmer *Upcycling Gemert BV* in Gemert, The Netherlands.

The project consists of 4 facade claddings, tensed all around. The maximum size of the canvas is 30 meter long and 7.3 meter wide. The facade membranes are connected to the support construction in “tooth shape” in order to create depth and shadow effects.

Architect: Denkkamer Architectuur & Onderzoek







TIJDELIJKE RECHTBANK - FACADE CLADDING

On behalf of Du Prie bouw & ontwikkeling Buitink Technology has delivered and installed tensioned cladding for the *Tijdelijke Rechtbank* in Amsterdam, The Netherlands.

The cladding consists of 52 (seamless) sheets, tensed all around through an aluminium structure. Surface area covered is about 1.400 sqm.

Fabric cladding can be applied permanently or be dismantled and reinstalled elsewhere. Fabric cladding with tensed cloth fits perfect in the “temporary building” concept. If needed the building, including cladding, is reinstalled at another location after a while.

Architect: Cepezed







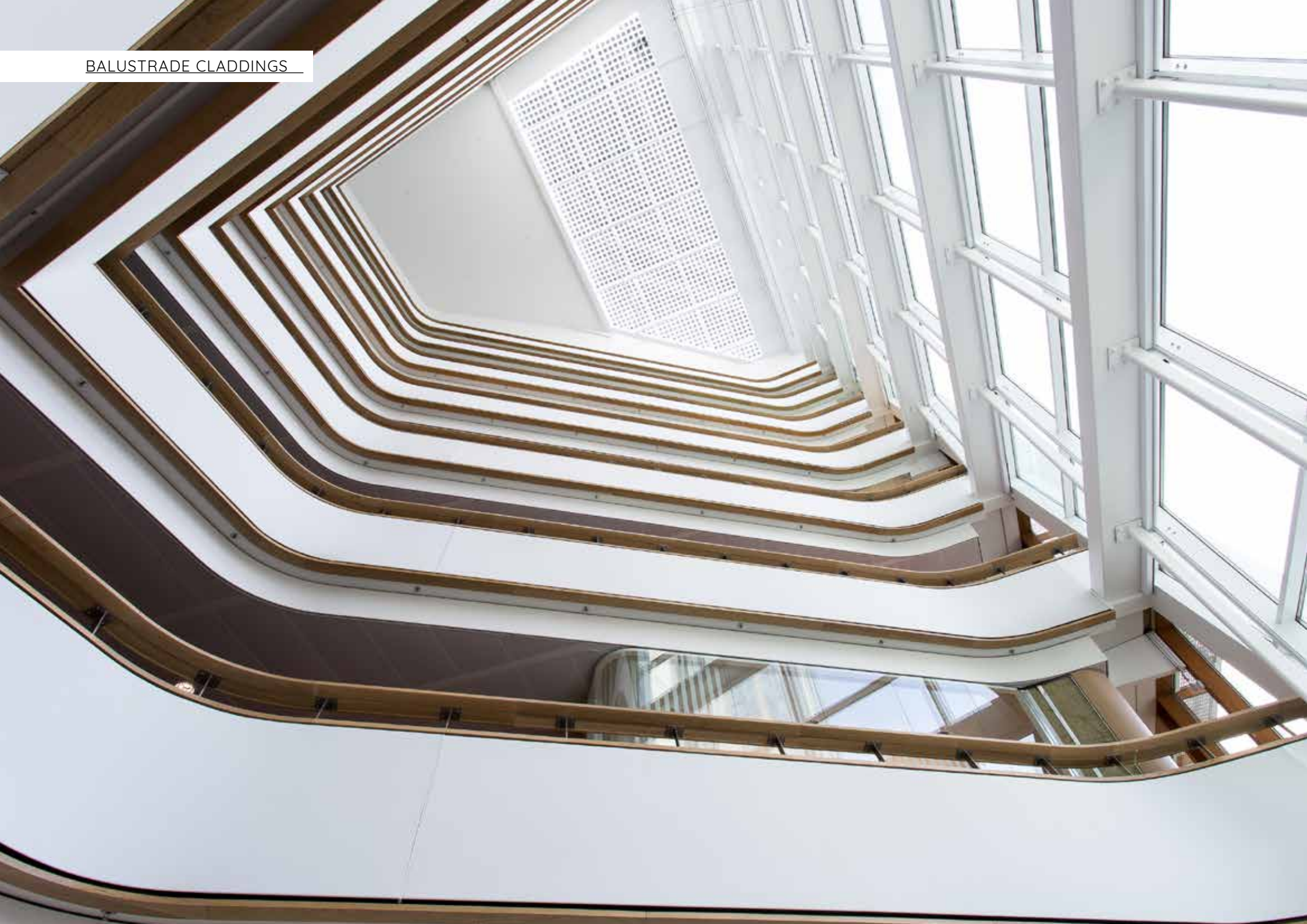
LAURUS - SHOPPING CART

Buitink Technology has delivered and installed a total of 45 double side printed screens commissioned by the new distribution center of Laurus in Waddinxveen, The Netherlands.

Bronsvort Blaak Architects have developed the concept of the building and the surrounding screens, with contours resembling shopping carts. Bronsvort commissioned artist Denny Baggen to create a proposal for the coloured filling and the print.

Buitink Technology provided the calculations for the curtains (the wind and load charges). They also realized the structure and the printing of the materials.

BALUSTRADE CLADDINGS





AKZO NOBEL - CANISTERS AND WALLS

Buitink Technology built and installed the tensioned membranes for the canisters and auditorium walls of the new headquarters of Akzo Nobel in Amsterdam, The Netherlands.

The project consists of approximately 65 tensioned membranes for the canisters, divided over 10 floors, and 12 membranes cladding the walls of the auditorium.

The membranes were manufactured using a white mesh fabric because of its excellent acoustic properties.

Architect: Group A



SINT LUCAS COLLEGE - BALUSTRADE CLADDING

On behalf of Hektracon, Buitink Technology delivered and installed balustrade cladding for *Sint Lucas College* in Eindhoven, The Netherlands.

The cladding is assembled from 146 tensioned (seamless) fabric parts. Total length is 540m.

It is rupture safe and suitable for permanent application. Although it can be easily dismantled and relocated elsewhere.

Architect: Cepezed



TENSED CEILINGS/WALLS





BOLENIUS - CEILING PANELS AND SUNSHADES

Buitink Technology has supplied and assembled a number of ceiling panels and wall sheets to the Bolenius restaurant in Amsterdam, The Netherlands.

The materials used are made of a stretch canvas. This makes it relatively easy to create playful and double curved shapes.

In addition to delivering and installing the terrace/patio covering for this modern restaurant, we have also manufactured and installed the interior ceiling.



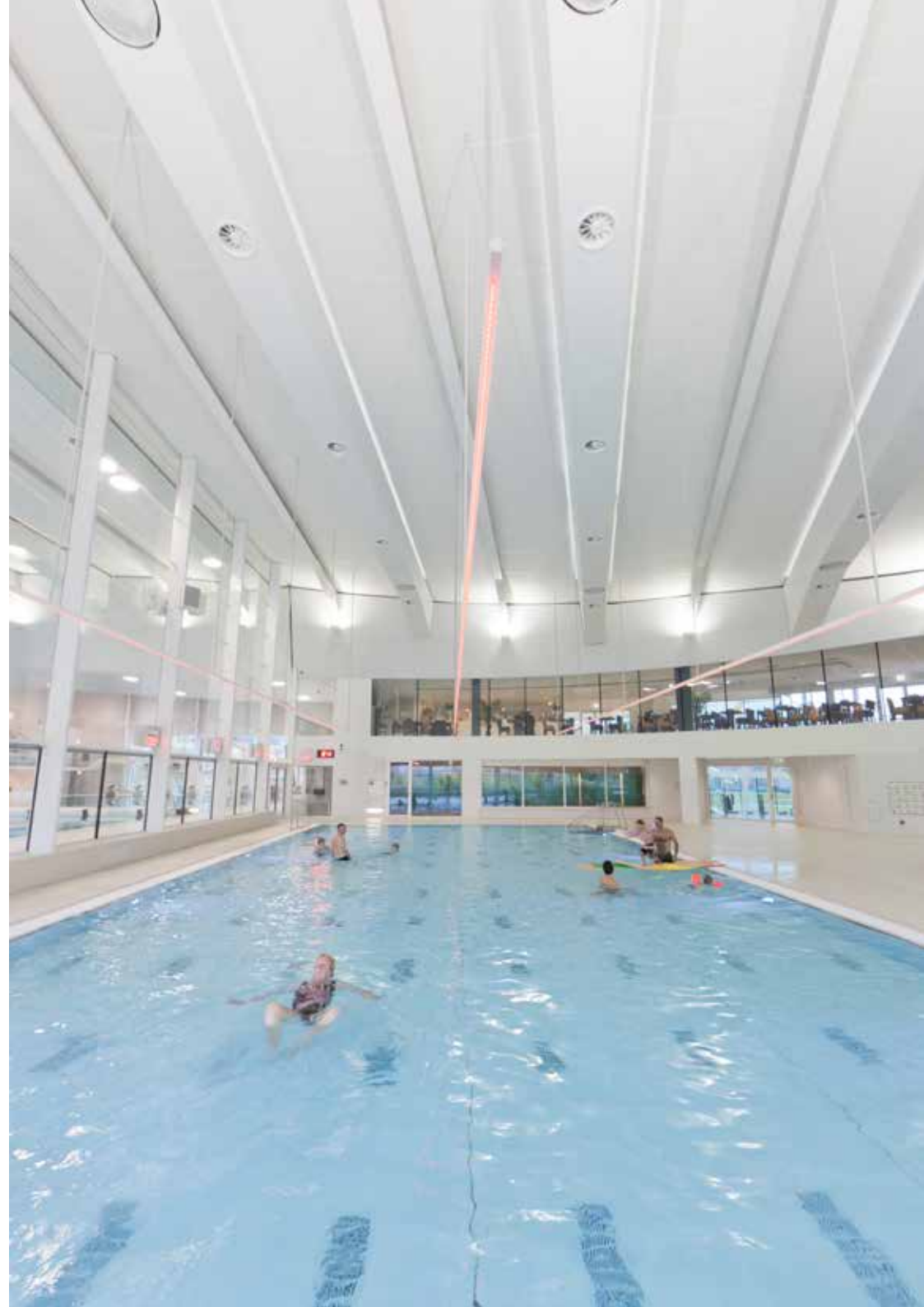


HOFBAD - TENSIONED CEILINGS

Buitink Technology has produced and delivered 24 ceiling sheets with aluminum profiles for the HofBad swimming pool in The Hague, The Netherlands.

The project covers an area of approximately 3.700 sqm. The sheets are stretched by invisible elastic cords and have a partially double-curved shape.

The materials match the atmosphere of the swimming pool and meet the acoustic requirements.



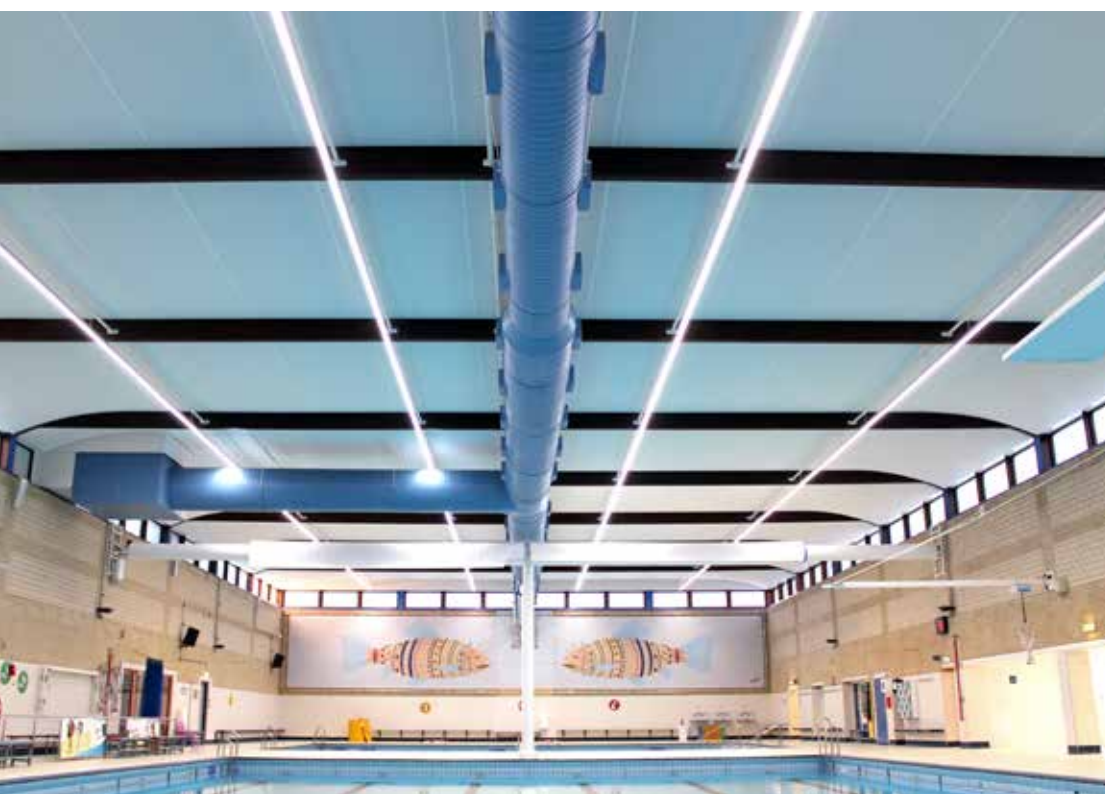


TENSIONED WALLS

Tensioned walls are made of either translucent or lightproof fabrics captured in a frame. This material can also be equipped with a print or sign, for which endless colours and designs are possible.

Tensioned ceilings provide a stable construction, suitable for (semi)permanent use, offering many possibilities and options. LED lighting can be placed behind the cloth sheets.





TENSIONED CEILINGS

Tensioned ceilings are made of either translucent or lightproof fabrics captured in a frame. This material can also be equipped with a print or sign, for which endless colours and designs are possible.

Tensioned ceilings provide a stable construction, suitable for (semi)permanent use, offering many possibilities and options.



FLEXTENTS





LACOSTE - MEGA STRETCH TENT

Buitink Technology produced a mega size stretch tent (free form tent) for a show of **Lacoste** in Paris. It's a huge tent with a size of 55x22 meter! The total surface of the flex canvas is about 1.100 sqm.

The free form tent with sloping shapes is manufactured from white stretch canvas (Buitink flex fabric). It can be perfectly illuminated.

To create an open space in the tent (no obstacles) for the catwalk, a free hanging construction is applied. The stretch canvas is fixed at the outside while the roof is free hanging, tensed with so called "high points".





CHATEAU LA GRACE DIEU - FLEXTENT

Buitink Technology produced and installed on behalf of Highpoint Structures a stretch tent for *Chateau La Grace Dieu des Prieurs* in Saint-Émilion in France. The membrane consists of a canvas roof and two jambs. At the lower part of the tent is a honeycomb print.

The Flex tent is used for the *l'Art du vin festival* to initiate the new wine season. For this unique situation the stretch tent is custom made.

Architect: Jean Nouvel









FLEXTENTS

Besides using flex tents as canopy for terrace or during a party or event, flex tents are also very suitable to be used as a working facility.

A flex tent is very lightweight and can be built flexibly. You can decide where to place the support poles, and these can be removed easily. As a result, the whole covered area is accessible.

In addition, there are no heavy instruments or structural support needed to set up the tent: the tent is fixed with loops and then supported by a number of lightweight aluminum poles. By adding these masts a tensioned membrane is created. This results in a double curvature, resulting in a stable and wind resistant structure.







MARCEL WANDERS - INFLATABLE OBJECTS

Commissioned by Marcel Wanders, Buitink Technology manufactured seven inflatable, egg-shaped balloons for the *Oita Prefectural Art Museum*, forming the *Eurasian Garden Spirits* installation.

The objects have a height of five meters and are filled with air. The bottom parts consist of bowls with weights, enabling the balloons to gently move with the wind.

Each balloon depicts a unique flower patterned face.





BNP PARIBAS - DUBUISSON PAVILION

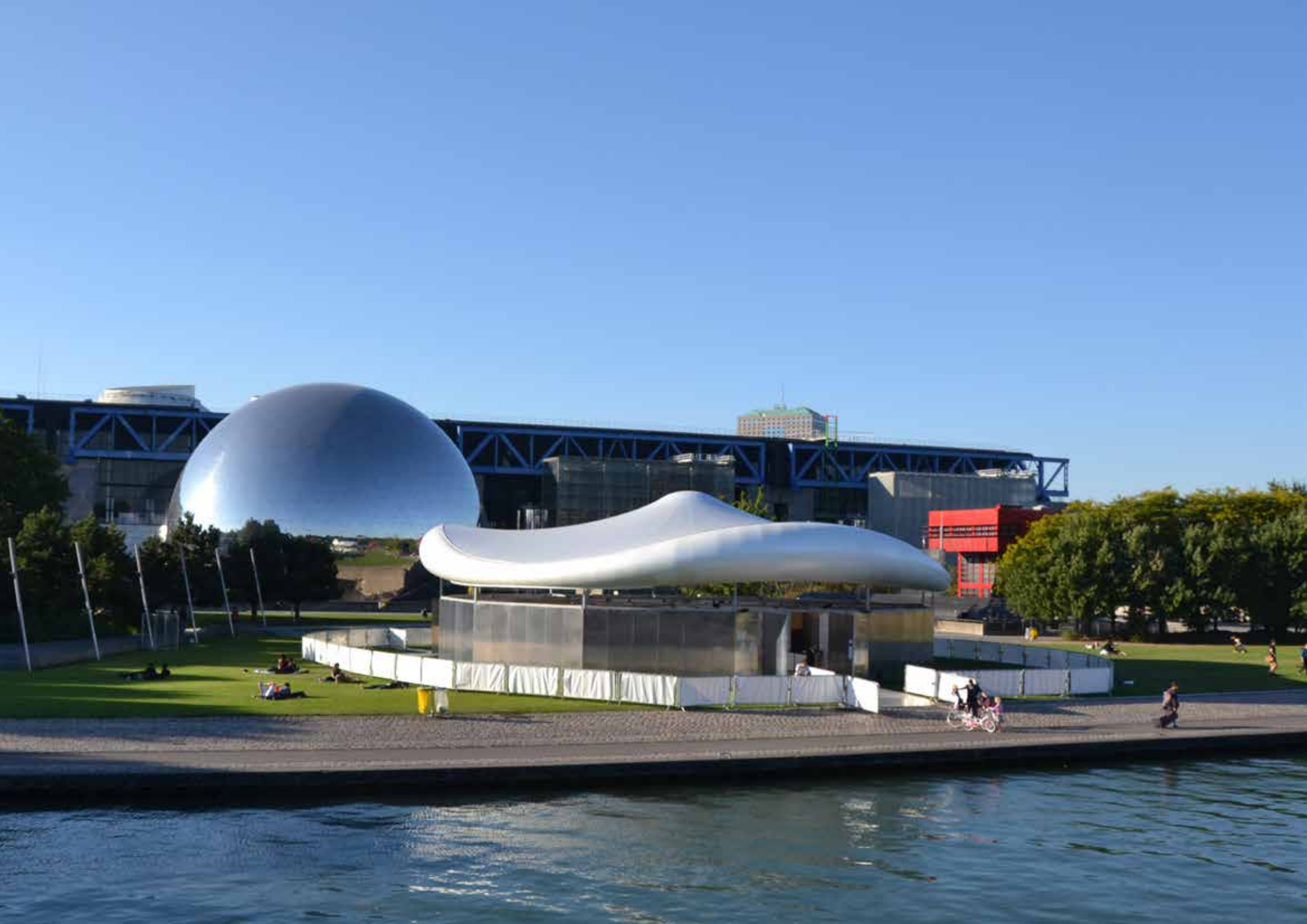
Together with their French partner **Highpoint Structures**, Buitink Technology built a movable, temporary pavilion for BNP Paribas in France. This pavilion is called **WAVE**.

The **WAVE** pavilion has a diameter of approximately 25 meters and a height of 9 meters.

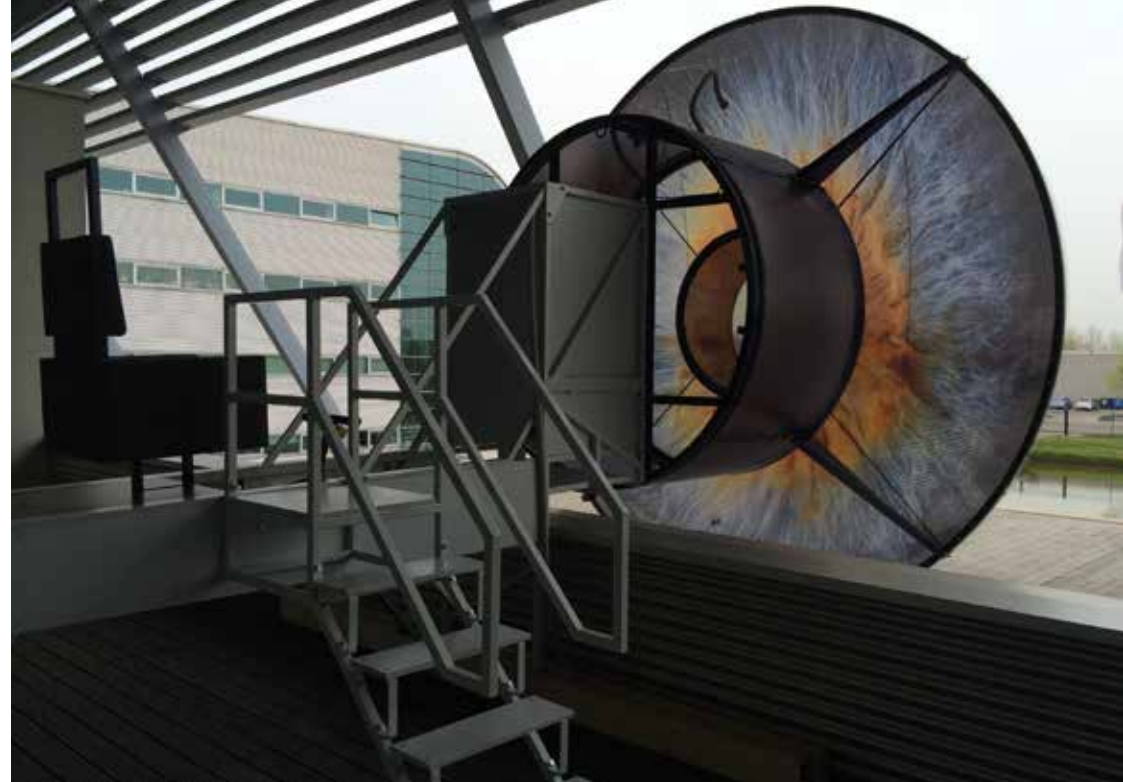
The structural element - the inflatable donut - is based on the so called *tensairity principle*. This means that a structural system is realised by combining air pressure and stiff elements in an inflatable shape.

The outside of the donut is textured with a specially developed silver pearl-effect topcoating.

Architect: Dubuisson Architectes







EYE - ART INSTALLATION

The *EYE* is an art installation giving the visitor a glance over the city as well providing them with a theatrical experience.

The *EYE* mainly consists of three parts: the inflatable eye, a pupil and the chair system. The *EYE* is an inflatable lens of approximately 4 meters in diameter. It is inflatable to keep the total weight of the installation as low as possible.

Buitink Technology developed the inflatable eye made of full colour printed film.

The pupil is based on the technique of polarising films, which only lets light go through in one direction. When two polarising films are crossed and placed behind each other, no light will go through and the films become opaque.

Design: Pascal Leboucq



X KWADRAAT - ETFE BUBBLES

Buitink Technology has been commissioned by X Kwadraat in Enschede to install the inflatable ETFE bubbles for artwork *The Bubble Blower*. The piece is positioned directly in front of the facility center of Prismare in Enschede, The Netherlands.

The inflatable bubbles have various diameters ranging from 1 to 2 meters and are made of ETFE foil, since it is a durable, self cleaning and very strong material.

The bubbles are kept under pressure with an air system and from inside the bulbs are lit by LED lights. To maximise effect, the bulbs are equipped with a printed surface on the inside that reflects light and let the diffused light go through. In addition to these lighting effects, sound effects are also integrated into the design.

Design: Dorien Boekhout en Paul Klotz









DUBUISSON - INFLATABLE BALL & MIRRORS

Buitink Technology manufactured and installed a transparent inflatable globe and giant lightweight mirrors in the atrium of the Justus Lipsius Building in Brussels, Belgium.

From July 2008, France has the Presidency of the Council of the European Union. For the design of the interior of the EU building Justus Lipsius in Brussels, the French government contracted the well known French architect agency Dubuisson Architectes in Courbevoie, France.

The center part of the design is a huge transparent globe, 15 meters in diameter, in the middle of the atrium, printed with every flag of the members of the European Union. The globe is suspended in the middle of the atrium, with at both sides giant mirrors, sizes 12x10 meters.





FIOLEAF - PATIO ROOF

Sebastiaan Fiolet designed a moving patio roof for Buitink Technology; *The Fioleaf*.

The Fioleaf is unique in its kind. This roof is infinitely adjustable and therefore can be used in both sun and rain. It operates electrically.

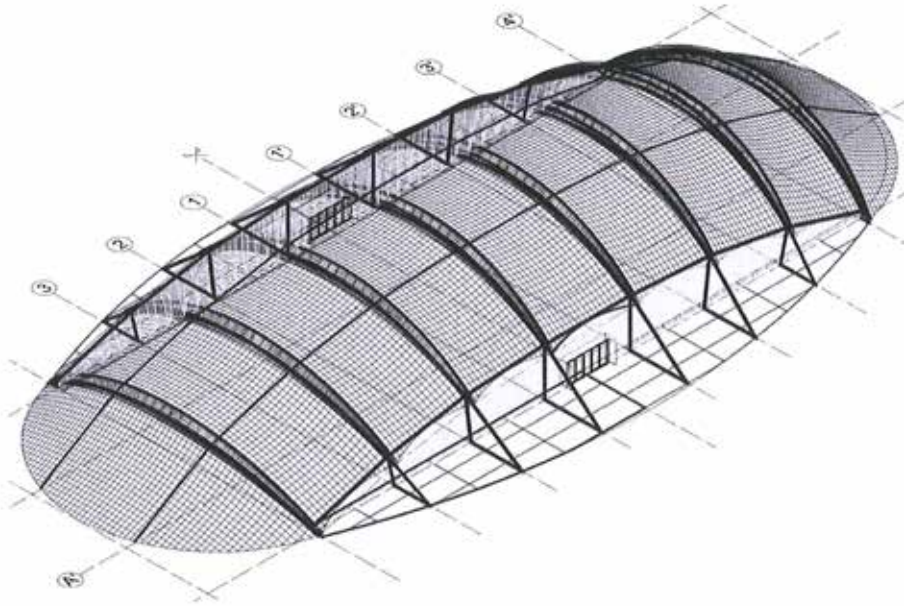
The Fioleaf consists of a stainless steel frame, high gloss quality. The mounting components by which the membrane is assembled are also made of stainless steel.

The design of the *Fioleaf* as well as the name are recorded at the Benelux Office for Intellectual Property.









TENSAIRITY - INFLATABLE COVERING

Assigned by Buitink Technology and facilitated by the Platform Creative Industries, the consulting companies ABT BV and Tentech BV designed and engineered a mobile and modular inflatable tensairity covering for events.

This highly innovative, attractive and functional design consists of a number of inflatable beams that support tensioned membranes.

The goal was to design a tent with a multifunctional character, applicable for various purposes. The covering consists of separate, connectable elements, inflatable beams & membranes, creating a modular system.





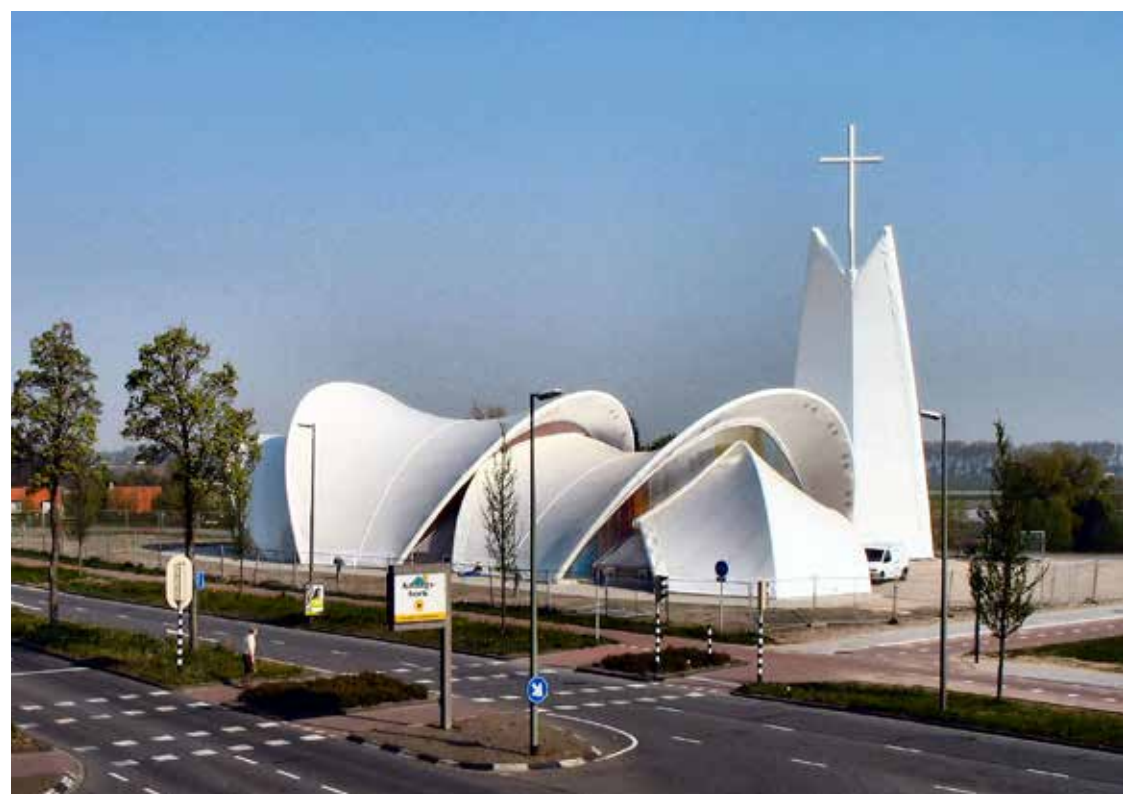
SPECIALS

In addition to a broad range of standardised products, we also supply special products made to customer specification.

Customers can visit us with a specific problem or challenge, for which we will seek a suitable solution, in close collaboration.

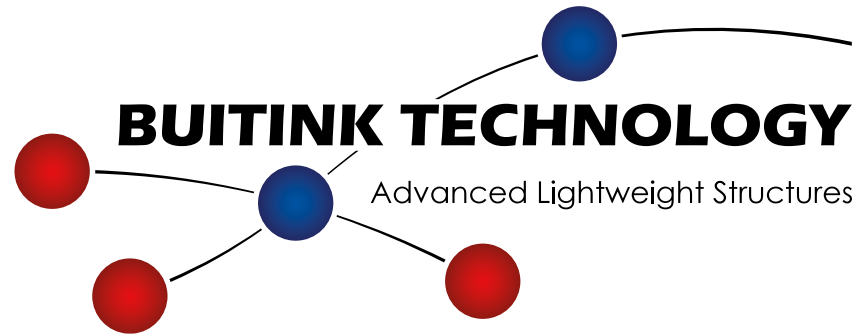
Various types of technical fabrics offer numerous possibilities for these challenges.

Because we have various in-house techniques for processing technical fabrics we are able to offer effective solutions in many situations.





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