

Certified / Approved by:



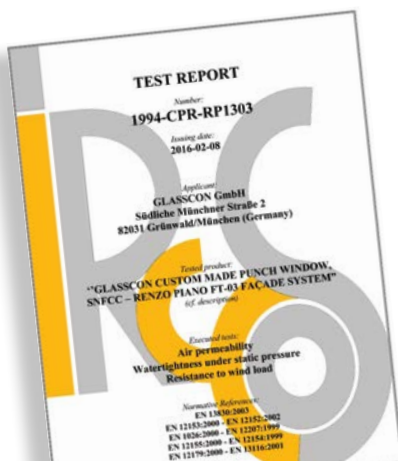
OUR SKY 



GLASSCON GmbH is a German premium Façade Engineering and Contracting company operating globally through subsidiaries and local partners. We offer turn-key façade solutions for creating extraordinary building envelopes.

Our products and services have been certified by TÜV NORD ISO 9001: 2015, the world's most credible German Notified Body. Our experience since 1999 includes a diverse portfolio of over 250 projects worldwide, designed by renowned architects and consultants including RENZO PIANO, ATELIERS JEAN NOUVEL, LUFTHANSA CONSULTING, HOPKINS ARCHITECTS and SANTIAGO CALATRAVA among others.

Our goal is to provide true end-to-end solutions, tailor-made to our customers' needs, whether they are the Owner, Developer, Architect, Consultant or Contractor.







Our team of facade experts work on high-calibre projects, delivering innovative building skins that meet both performance and aesthetic requirements. From concept design to implementation, our holistic approach to problem solving enables us to explore ideas outside the realm of conventional façade systems.

Our detail-oriented mindset ensures on-time project delivery, according to technical specifications, in compliance with all relevant regulations, and always within budget constraints.

We provide a blend of German Quality and Global Mentality fully aligned with the cultural and technological needs of the growing global construction industry.



## PRODUCTS



Aluminium Curtain Walls • Stick Systems • Unitized & Semi Unitized Glazing • Structural Glazing Systems • Steel Curtain walls



Spider Glass Curtain Walls • Bolted Point Fixed Glazing • Glass Fins & Mullions • Structural Glass • Tension Rod Glass Walls • Suspended Glazing • Cables Glazed Walls



Cladding, Roofing & Siding for Walls & Rainscreens • HPL / ACP Systems • Metal Cladding Systems • Honeycomb Panels • Ceramic Clay Tiles / Terracotta.

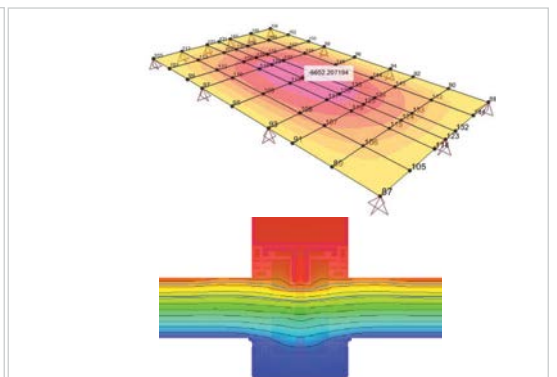
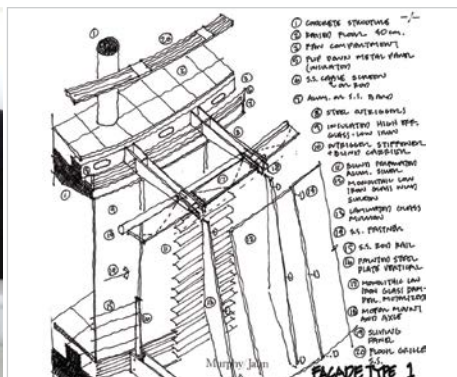
## SERVICES



### PROJECT DEVELOPMENT & CONSULTING

Building façades are elements that make the internal space habitable and must be compliant to minimum performance criteria of Legislation and Codes. The main idea is turned into architectural façade concepts, according to architect's design intent, considering façade performance and aesthetics.

Preliminary analysis is conducted to confirm massing, using 3D drawings, rendering and hand sketches. Our highly skilled façade engineers manage all the technological demands of the building envelope to meet the required design criteria.



### TENDER SUPPORT & PROCUREMENT

Accurate, concise and fitting specifications are fundamental to guiding the construction team in the engineering, manufacturing and installation of building envelopes.

Our tendering services include system design with value engineering. Tender drawings are used as a basis for the estimation by including a preliminary Bill of Quantities. Developers require such services to ensure that the offered façade solutions correspond with the requirements of the design team.



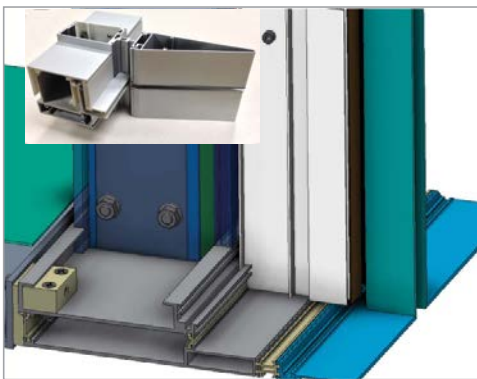




Motorized Solar Shading Systems • Brise Soleil • Glass Louvers • Folding, Sliding & Rotating Sun Shades & Shutters • Wooden Solar Shades • Motorized Folding Shutters

Ballistic Blast Resistant Curtain Walls • Bullet Proof & Blast Resistant Glazing

Fire Rated Curtain Walls • Fire Resistant Doors • Fire Rated Glazing Systems



## FACADE ENGINEERING

With the increasing complexity of buildings, there is a need to accurately validate the design. Before construction phase, our responsibility is to conduct the structural calculations, the thermal performance analysis and ensure the environmental compliance of the delivered façade.

All custom made systems are being tested and certified according to EN and US standards to help the contractor deliver the best value.

## EXECUTION OPTIMIZATION

Execution optimization is creating new possibilities and allows production execution sequences to be flexible. Third-party supervision is giving more agility to macro and micro processes during the façade installation. This optimization process opens a whole new direction in the way demanding facade projects are executed.



## SHOPPING MALL COMPLEX - ETFE AIR CUSHION ROOF



GLASSCON realized in great success the façade building maintenance unit (BMU) consulting of the roofing as well as several other façade cladding and finishing works for a large scale shopping mall. The roof which covers an internal atrium is made

of ETFE AIR CUSHIONED MEMBRANE with a very low self-weight, allowing daylight whilst providing appropriate shading and indoor climate control. The required maintenance ensures durability and prevents leakage issues.



## RENZO PIANO SNF CULTURAL CENTER LIBRARY & OPERA



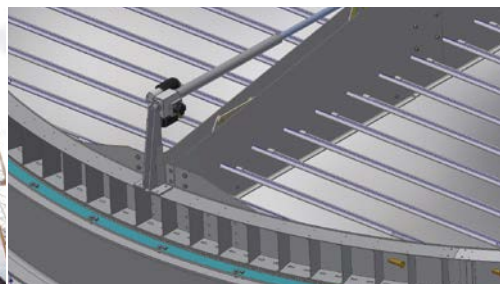
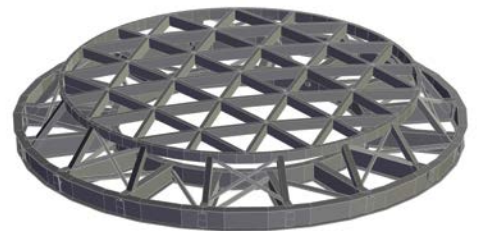
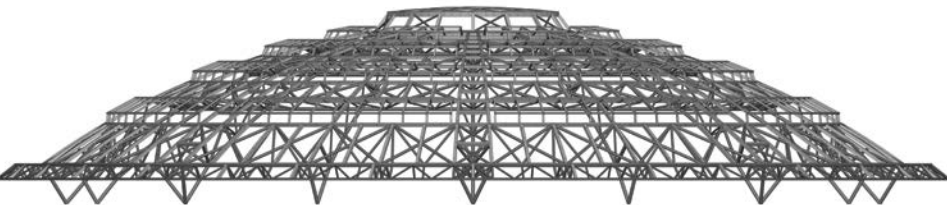
GLASSCON is involved in various facade engineering works of an iconic and landmark project called Stavros Niarchos Foundation Cultural Center (SNFCC). The whole building is designed by the renowned architect RENZO PIANO, while the façade works were managed and supervised by FRONT

Façade Consultants. GLASSCON team developed several new products specially designed for this project, including punched windows, skylights, railings and shade systems. Scope of works included detailed testing, VMU's and PMU's, certification and final product approval for installation.





## ATELIERS JEAN NOUVEL DOME LIBRARY HELIOSTAT

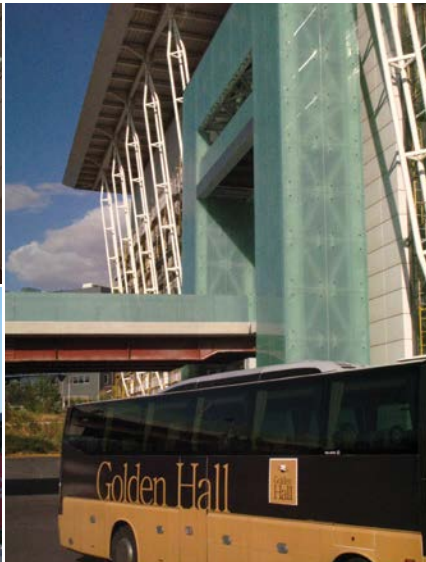
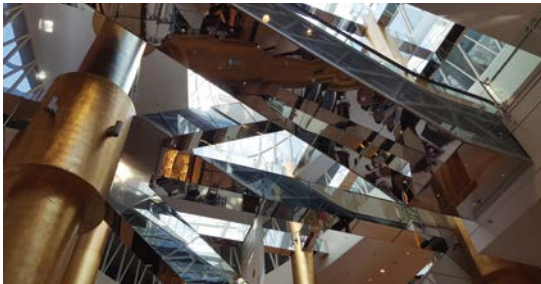


GLASSCON is awarded to develop, engineer and install an innovative heliostat system on the DOME LIBRARY building, along with other facade applications. Designed by the renowned architectural studio ATELIERS JEAN NOUVEL. The structure is completely water and air tight, and provides efficient

lighting to the interior of the library. Based on a solar algorithm which orientates the heliostat and rotates the installed solar louvers in small steps, light is guided to the library accordingly and optimizes optical comfort.



## SHOPPING MALL & BUSINESS CENTER



GLASSCON designed, engineered and successfully executed various glass works for the façade of a premium shopping mall and business center. Scope of works included a 25 meter high spider GLASS CURTAIN WALL ENTRANCE, internal and external stainless steel glass railings, bal-

ustrades, shopfronts and various finishing works. Most of the glass panes used were tempered-laminated in order to meet safety requirements, whilst all fittings used were made of the highest STAINLESS STEEL grade.





## CURTAIN WALLS & DOUBLE SKIN FAÇADE WITH GLASS FRIT

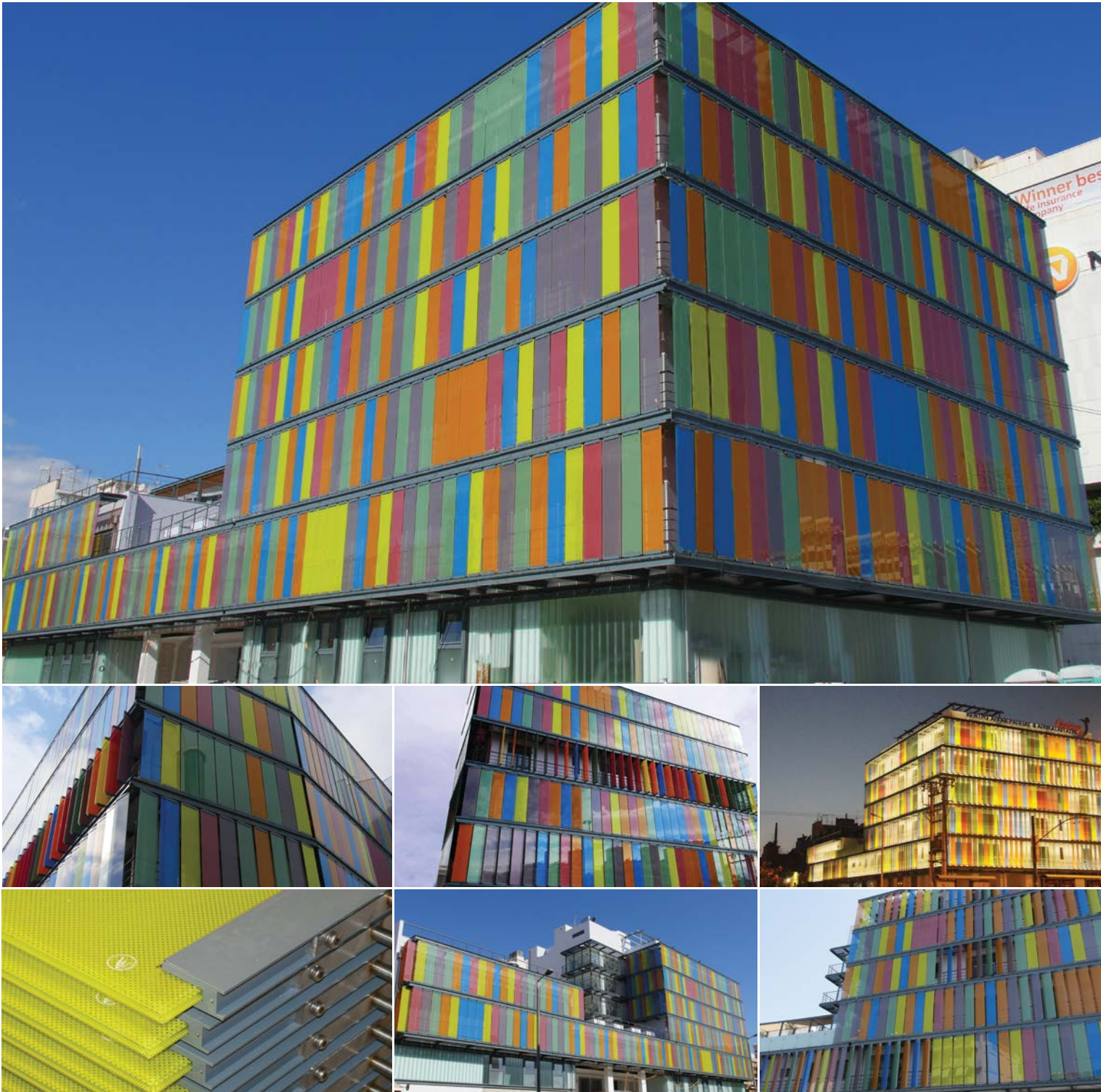


GLASSCON designed, engineered and executed the whole façade works for a spider glass second skin façade at an existing office building. The double skin glass façade is supported by a STEEL STRUCTURE along with 4-way spider glass fittings. The nec-

essary air ventilation is provided with motorized aluminium louvered windows. The glass panes have been processed with silk printing technology to provide the corresponding shading.



## BUILDING ENVELOPE & MOTORIZED ILLUMINATED GLASS SHADES



GLASSCON developed, fabricated and installed a stunning solar shading system as a building envelope. Our SILK PRINTED GLASS LOUVERS feature six stimulating colors providing 20% transparency and are fitted with special stainless steel IPS 65 ELERO linear actuators. Louvers rotate au-

tomatically with remote control to provide lighting guidance, eliminate glare and optimize natural daylight. Perfectly placed to leverage the unique architectural skin, our innovative louvers are set to meet upscale demands.





## CURVED SPIDER GLASS FAÇADE ON SPACE FRAME (CAIRO/EGYPT)

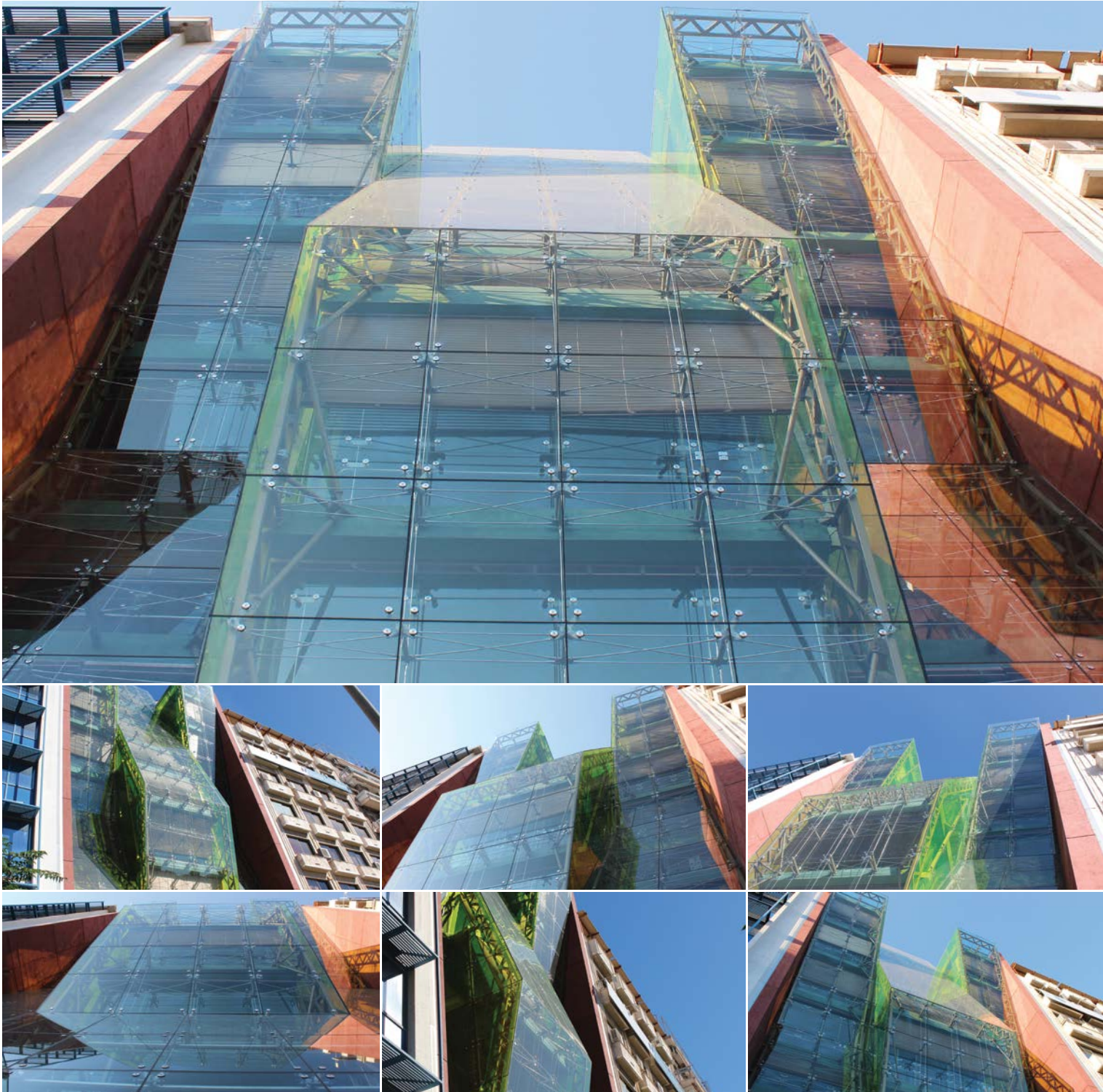


GLASSCON executed the installation of a curved structural spider glazing façade for Nile University located at Cairo, Egypt. The glass façade is supported by a custom made STEEL TRUSS SUBSTRUCTURE in-

stalled by MERO, along with stainless steel 4-way spider glass fittings. Glass panes are made of tempered safety glass with reflective coating to provide shading while allowing daylight.



## BUILDING ENVELOPE & MOTORIZED ILLUMINATED GLASS SHADES



GLASSCON designed, engineered and executed the whole façade works for a double skin façade supported by 3D TENSION ROD SYSTEM along with stainless steel pressure bars and 4-way spider glass fit-

tings. The necessary air ventilation is provided with motorized aluminium louvered windows. The glass panes have been colored to different variations in order to meet architectural design requirements.





## HOSPITAL BUILDING FACADE & CANOPY



GLASSCON provided consulting and engineering services for a hospital building façade CLADDING, along with a turnkey solution for a GLASS CANOPY at the entrance of hotel. All cladding is done with natural stones and composite panels, mechanically fixed on an aluminium sup-

porting frame suitable to carry self-weight, wind and snow loads. The glass canopy is fixed to the substructure using premium quality stainless steel spider fittings specially designed according to structural requirements.



## BUILDING FACADE & FIXED VERTICAL GLASS LOUVERS



GLASSCON developed, fabricated and installed an innovative solar shading system consisting of vertical architectural SOLAR GLASS LOUVERS as a complete building envelope. Glass louvers are installed as interconnected vertical fins supported by

custom made stainless steel fittings as a bespoke solution. Shading glass panes are made of fritted tempered glass to allow sunlight whilst blocking glare and provide the required shading.





## AMERICAN COLLEGE SCHOOL GLASS BRIDGE



GLASSCON successfully realized the design, engineering, fabrication and installation of all STEEL AND GLASS works for a stunning pedestrian bridge project. Scope of works included turnkey solutions for premium balustrades, railings and glass

elevator shafts. Working closely with the structural engineers of the project, GLASSCON developed a low weight solution fully compliant with all safety standards applied in bridges and walkways executed with glass.



## MOTORIZED SOLAR SHADING BUILDING ENVELOPE



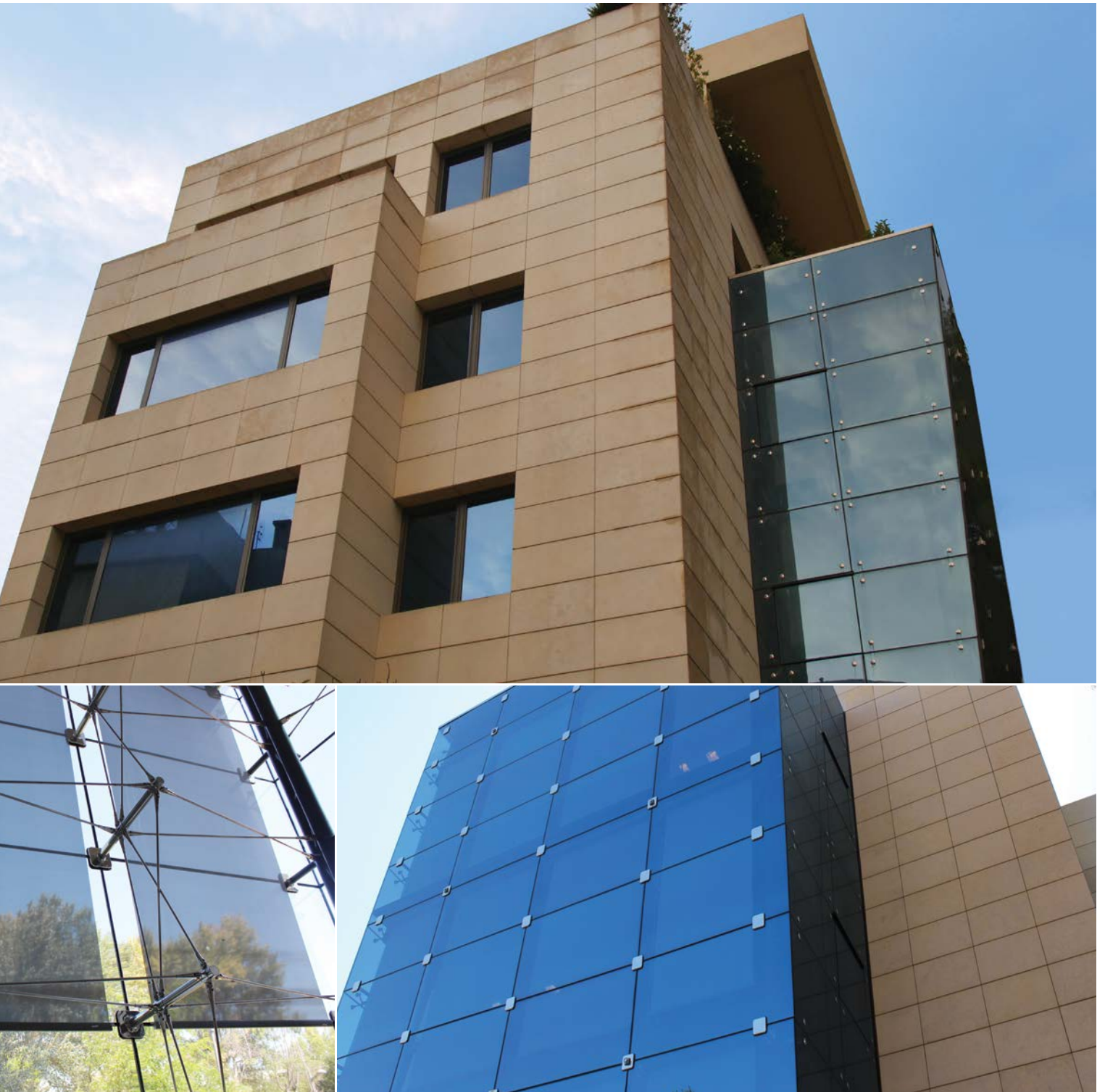
GLASSCON designed, fabricated and installed an innovative second skin shading system for an eye clinic with MOVABLE GLASS LOUVERS operating fully automated. The glass louvers carry silk printing to create the desired transparency and provide efficient shading. Glass used is tem-

pered and heat soak tested to minimize the risk of spontaneous breakages. The rotation of the glazed louvers is handled by stainless steel German ELERO motors controlled by a fully customizable German WAREMA control unit.





## MARBLE CLADDING & ILLUMINATED STRUCTURAL GLASS FAÇADE

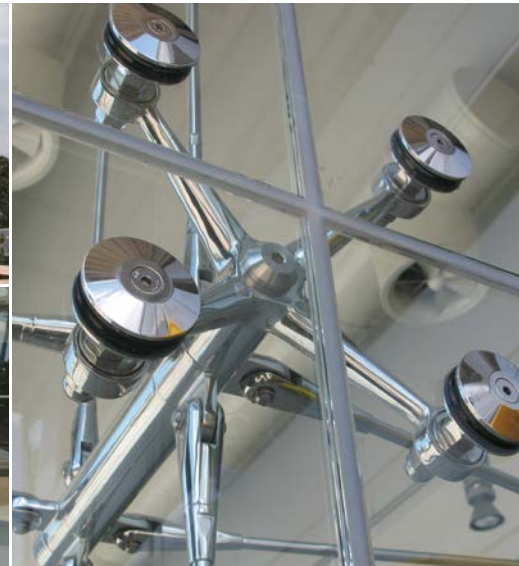


GLASSCON designed, engineered and constructed an inclined frameless illuminated curtain wall with internal shading for an office building complex. The façade is supported by a stainless steel 3D TENSION ROD SYSTEM along with pressure

bars and glass clamps. The illumination of the façade is provided through special LED spots installed on the stainless steel clamps, while shading is performed with INTERNAL ROLLER BLINDS.



## OFFICE ARCHITECTURAL BUILDING FACADE & BRISE SOLEIL



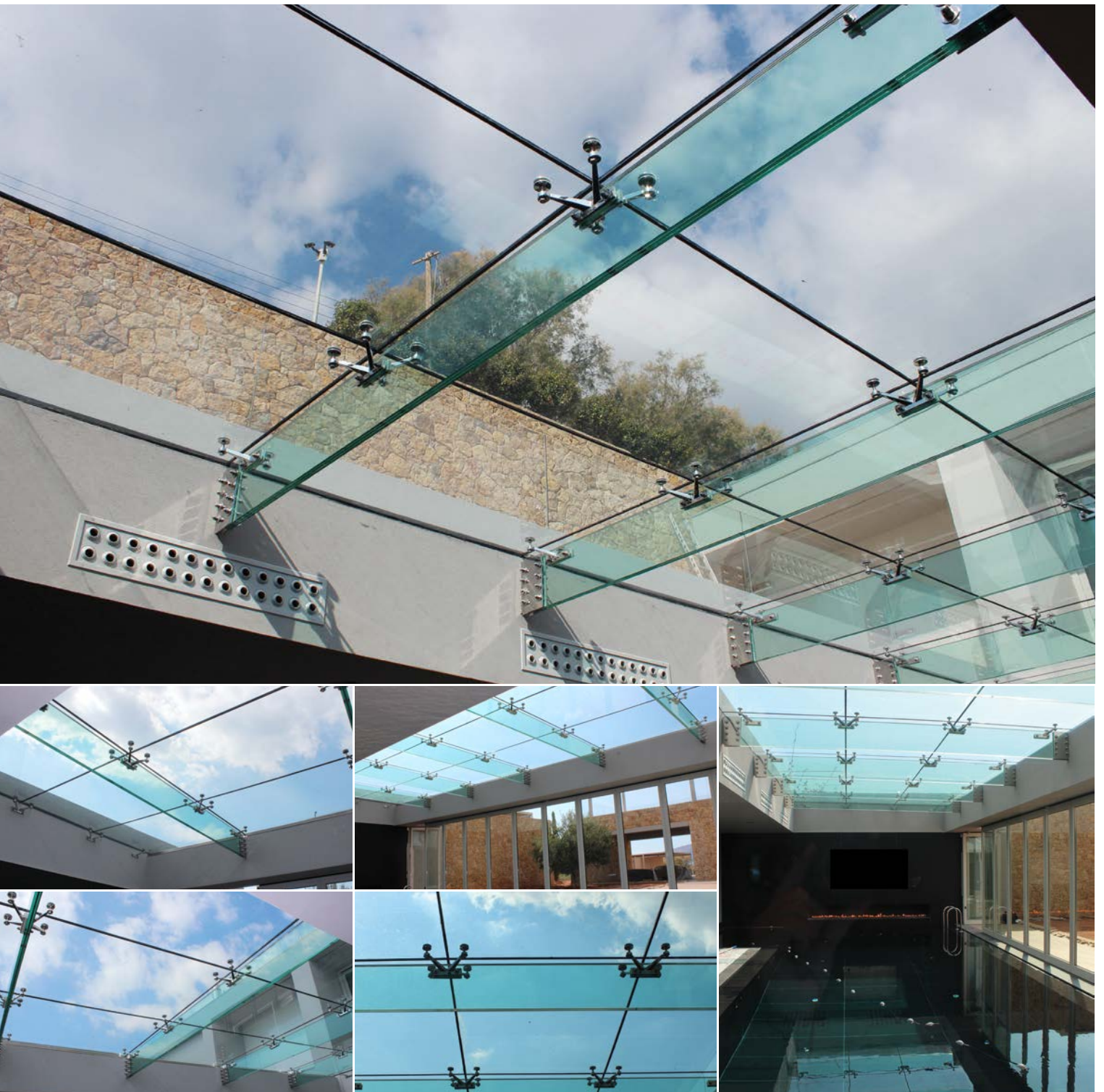
GLASSCON designed, engineered and executed the complete façade works for an office building, including motorized aluminium louvers, external brise soleil, aluminium composite panel cladding and a structural glass facade. The façade is supported by a stainless steel 3D TENSION ROD SYSTEM

along with pressure bars and 4-way spider glass fittings. Large scale motorized aluminium louvers provide shading to fenestration of the top floors, while ground floor openings are shaded with smaller scale aluminium louver solution.





## STRUCTURAL GLASS ROOF WITH GLASS FINNS

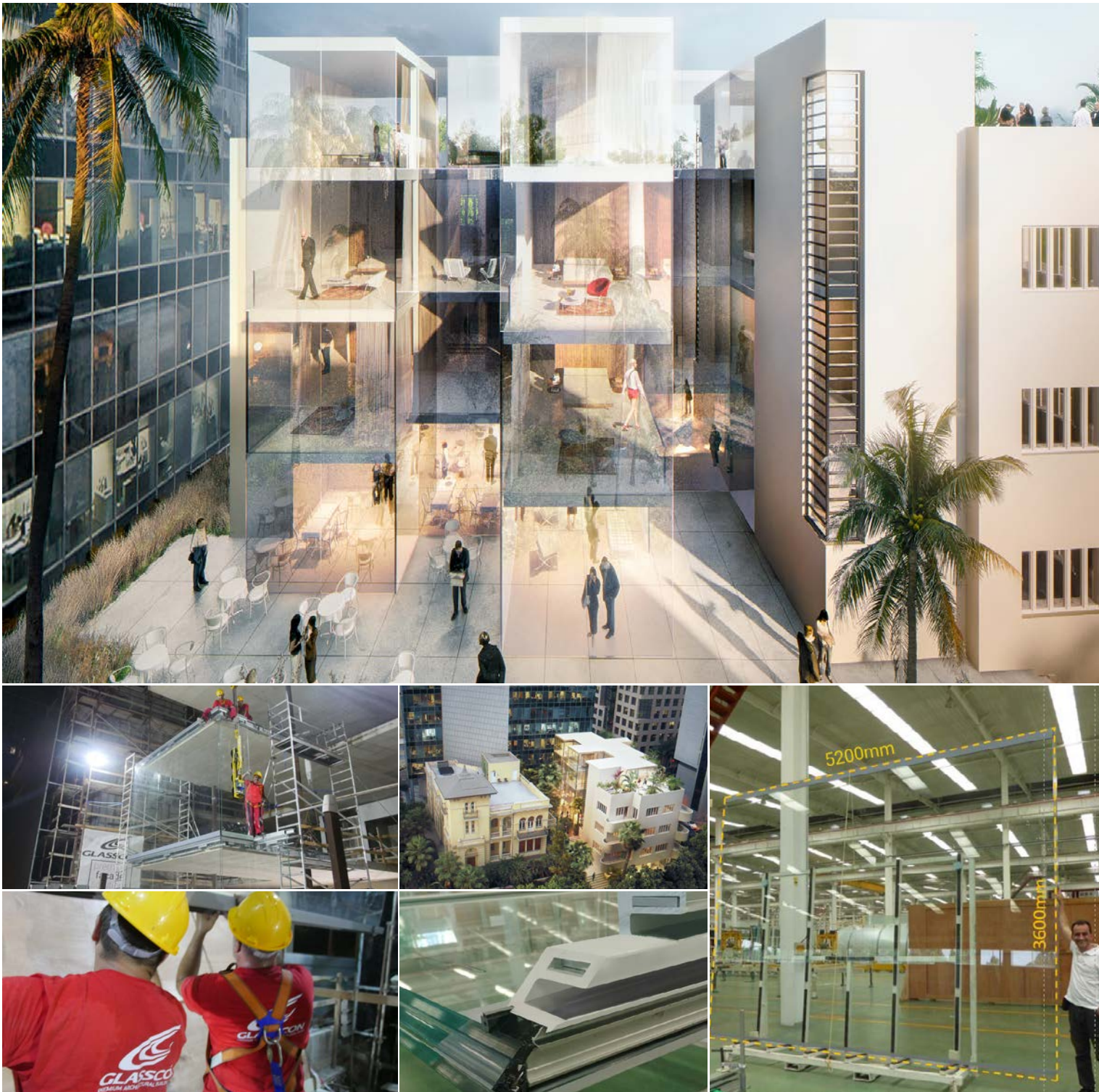


GLASSCON designed, engineered and installed an innovative structural skylight and a set of folding glass doors to create an indoor swimming pool area at a very high-end residence. The glass roof is almost transparent and is supported

by GLASS FINNS along with stainless steel 4-way spider glass fittings. The glass panes are made of tempered-laminated safety glass, specially coated to provide shading while allowing daylight.



## CUSTOM-MADE FACADE 3,6x5,2 XLARGE GLASS (TEL AVIV/ISRAEL)



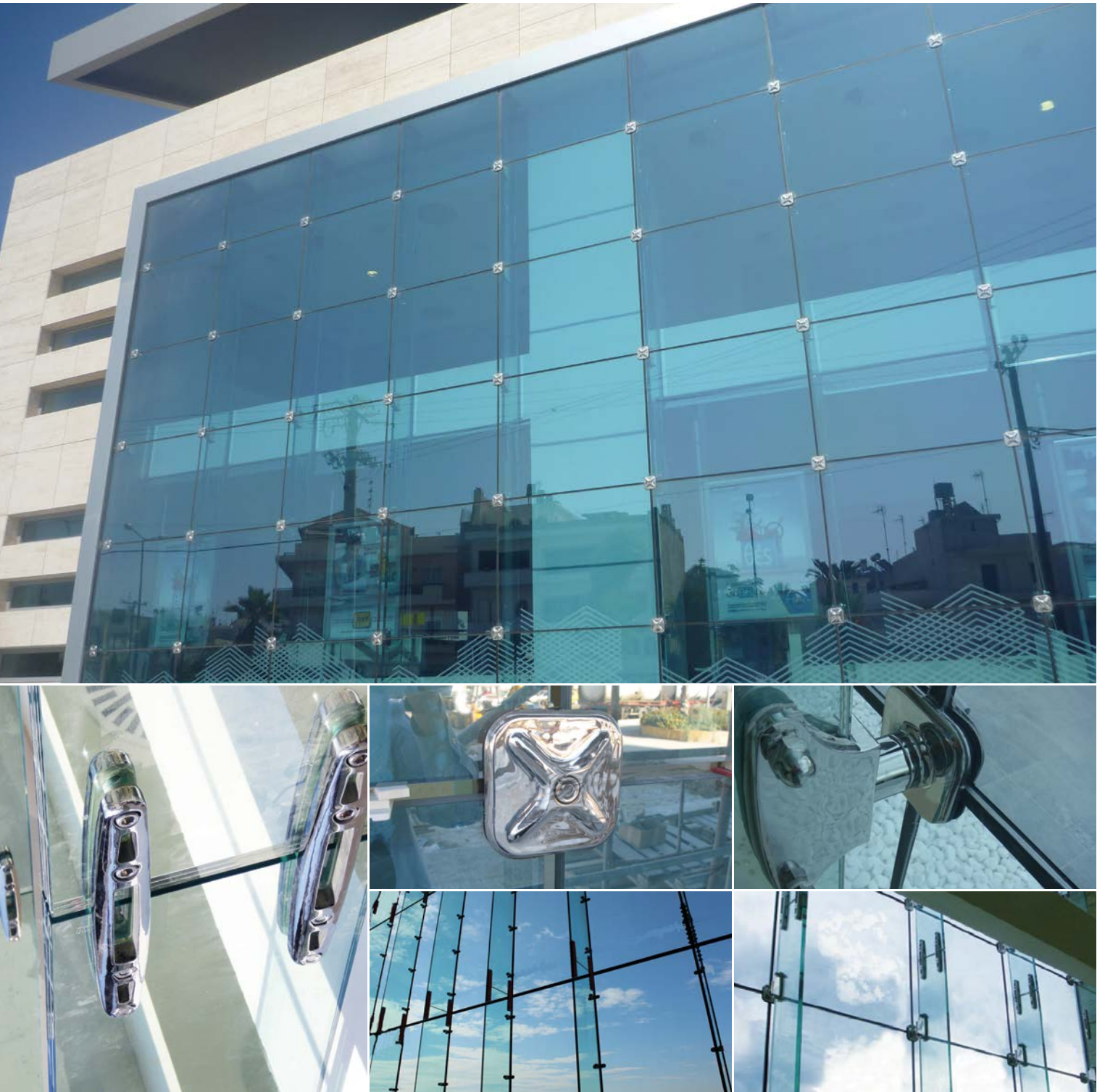
GLASSCON realized a completely custom-made turnkey facade planned by FRONT Facade Consultants, for a boutique hotel located in Israel. The facade has oversized multi laminated glass panels (3,6 x 5,2 m), supported by a bespoke unitized curtain wall system designed

from scratch. Glass is structurally bonded to the hidden supporting profiles, allowing maximum transparency whilst meeting all acoustic and thermal requirements. Scope of works included prototyping, final design, testing, VMU's and PMU's, certification, supply and installation.





## BALLISTIC STRUCTURAL GLASS CURTAIN WALL WITH GLASS FINIS



GLASSCON designed, engineered and constructed a bullet proof illuminated structural curtain wall for a bank building. The façade is supported by GLASS FINIS with height of 15 meters each one along with mirror polished stainless steel

fittings and glass clamps. The illumination of the façade is provided through special LED spots installed on the stainless steel clamps. The glass panes are certified to provide ballistic protection.



## BANK COMPANY OFFICE TOWER (Under Construction)



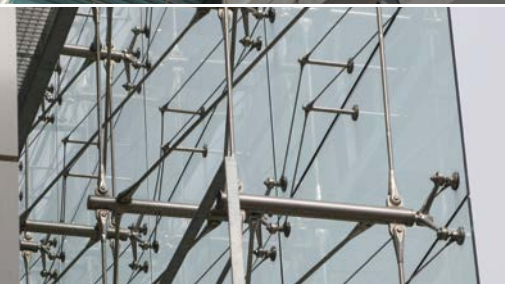
GLASSCON is currently realizing the complete façade works for a office tower operating as the headquarters of a bank. Curtain wall applied is a UNITIZED SYSTEM with structural glazing. The challenging façade is completed with stone HONEY-

COMB panel cladding to create a modern and sleek design, as well as fixed brise soleil as shading system. Glass panes are made of tempered safety glass with reflective coating to provide shading while allowing daylight.





## SHIPPING COMPANY ARCHITECTURAL BUILDING ENVELOPE



GLASSCON designed, engineered and executed the complete façade works for an office building, including aluminium solar shades, cladding, inox meshes and point fixed second skin glass façade. The double skin glass façade is supported by a stainless steel 3D TENSION ROD SYSTEM com-

bined with tension mesh along with pressure bars and 4-way spider glass fittings. The glass panes of the roof have been processed with silk printing technology to provide the corresponding shading. Large scale aluminium louvers provide shading specific parts of the building.



## 5-STAR HOTEL - ARCHITECTURAL BUILDING ENVELOPE



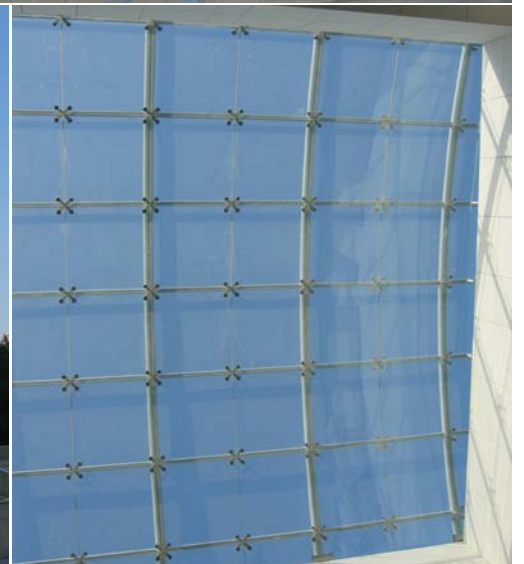
GLASSCON designed, engineered and executed the whole façade works for an existing 5-star luxurious hotel. Scope of works included the installation of CURVED (BENT) GLASS PANELS, various steel structures,

atriums, curtain walls, U-PROFILE decorative glass and stainless steel railings. Most of the glazing is supported by STAINLESS STEEL spider glass fittings.





## OFFICE BUILDING FOR SHIPPING COMPANY HQ



GLASSCON successfully executed various façade works for an international shipping company headquarters building. Apart from the construction of a SPIDER GLASS ATRIUM supported by steel substructure, GLASSCON provided consulting and installation supervision services for building

façade. Cladding is done using natural stone blocks, whilst the curtain walling consists of a THERMALLY BROKEN aluminium structural system filled with double glazing units with high thermal performance specifications.

## LUFTHANSA CONSULTING AIRPORT PAVILLION (BRAZZAVILLE/CONGO)



GLASSCON successfully executed the complete façade works for the Presidential Conference Centre located at Brazzaville International Airport of Congo, which was engineered by LUFTHANSA CONSULTING. Façade works include honeycomb shading panels as well as ballistic curtain walls of

the highest standards (BR4-BR7), windows, doors and atria. Honeycomb shades are installed as a fixed brise soleil system to ensure optical comfort to the building interior. They carry a wooden finish surface to blend with local architectural design and culture.





## SATO FURNITURE COMPANY HQ



GLASSCON designed, engineered and executed the glazing, cladding and shading works of a modern office building facade. All glazing units are made of a premium aluminium system with insulated glass panes of very low U-VALUE and a REFLECTIVE COATING at the outer glass unit. Fire

resistant ALUMINIUM COMPOSITE PANELS are used for cladding, whilst in several parts of the façade, a custom designed BRISE SOLEIL system is installed in order to optimize daylight and reduce glare in the building interior.



## ENERGY EFFICIENT ARCHITECTURAL BUILDING ENVELOPE (J&P HQ)



GLASSCON provided consulting and engineering services for an ARCHITECTURAL BUILDING ENVELOPE, along with a turn-key solution for a glass canopy and glass railings at the entrance of the building. All cladding is done with natural stones,

mechanically fixed on an aluminium supporting frame suitable to carry self-weight, wind and snow loads. The glass canopy and the glass railings are fixed to the custom made substructures using premium quality STAINLESS STEEL SPIDER FITTINGS.





## TSAKOS FOUNDATION ARCHITECTURAL BUILDING ENVELOPE



GLASSCON designed, engineered and executed the complete façade works for an iconic office building, including a structural curtain wall, custom made stainless steel door as well as various aluminium frames. The structural glazing façade is almost

100% transparent as it is supported by GLASS MULLIONS along with 4-way spider glass fittings. Glass mullions are made of tempered-laminated safety glass and are connected via stainless steel joints and silicone gaskets.



## 5-STAR HILTON HOTEL BUILDING FACADES - TENSION ROD SPIDER GLASS



GLASSCON designed, engineered and constructed an innovative glass envelope for a staircase at a luxurious hotel. The height of this enclosure is over 12 meters. The spider glass curtain wall and roof are supported by a suspended stainless steel 3D TENSION

ROD & CABLE SYSTEM along with stainless steel pressure bars and 4-way spider glass fittings. The glass panes of the roof have been processed with silk printing technology to provide the corresponding solar shading.





## RESIDENTIAL & OFFICE BUILDING (SOFIA/BULGARIA)



GLASSCON designed, engineered and successfully executed various glass works for the façade of an residential and office building complex located in Sofia, Bulgaria. Scope of works included all engineering for the curtain walling, windows and doors, shading systems, spider glass construc-

tions, balustrades and various finishing works. Most of the glass panes used were TEMPERED-LAMINATED in order to meet safety requirements, whilst all fittings used were made of the highest STAINLESS STEEL grade.



## TELECOM HQ BUILDING SKIN - MOTORIZED ALUMINIUM AIRFOILS



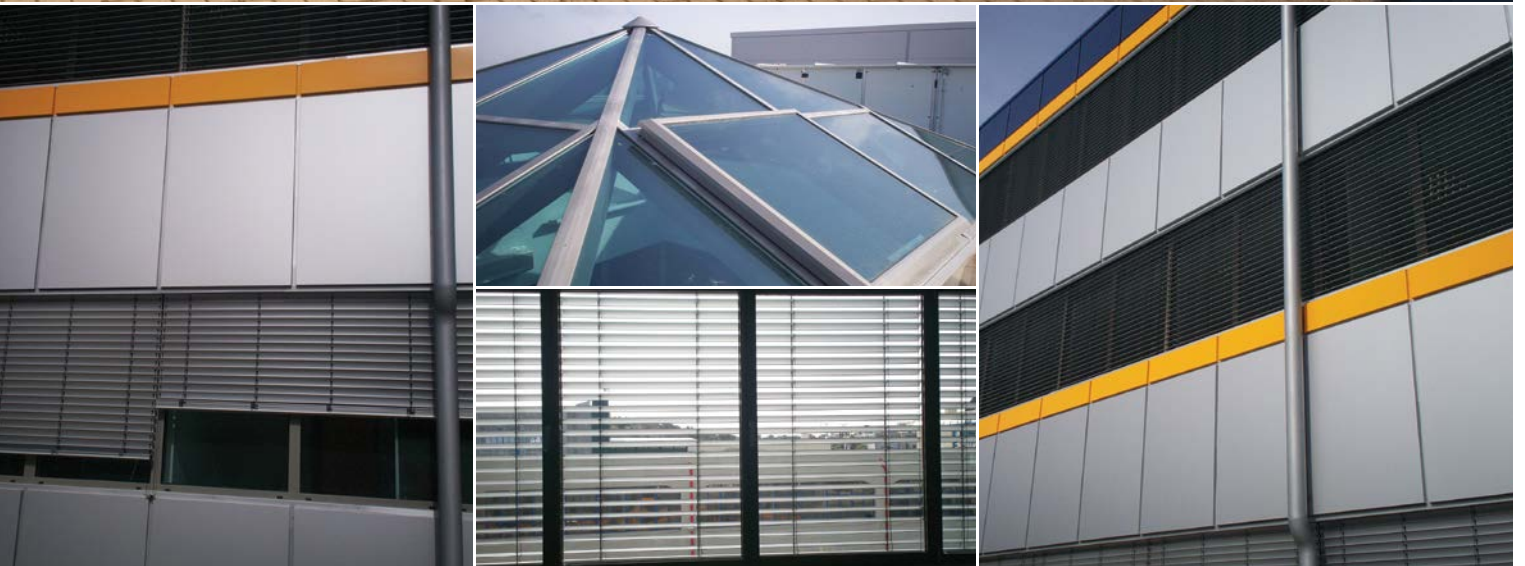
GLASSCON designed, engineered and constructed a fully motorized external shading system with ALUMINIUM AIRFOILS for a telecommunications office building. The selected material has an aero blade shape and is certified for its rigidity and durability. According to the solar shading study results, the whole façade had to be

totally shaded. The elliptical shape aero foils are grouped and rotated by stainless steel IP65 ELERO motors, controlled by the building BEMS according to sun position and desired shading effect. The whole system is fully programmable through BUS connection using WAREMA Climatronic software.





## OFFICE & WAREHOUSE ARCHITECTURAL BUILDING ENVELOPE

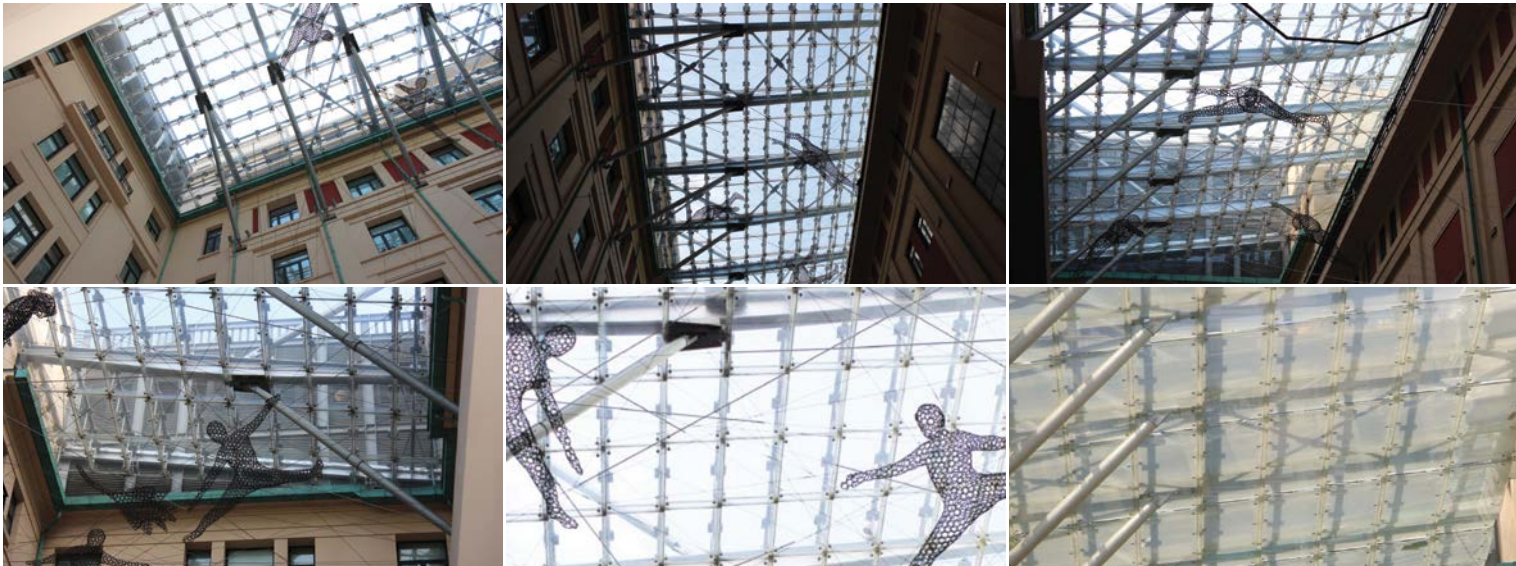


GLASSCON realized the energy efficiency study for the complete BUILDING ENVELOPE of an international tool headquarters building and also implemented several glass and shading systems helping energy savings. All glass used is insulated with ex-

cellent thermal properties, whilst all glazed areas are sun protected with separate automatic OUTDOOR VENETIAN BLINDS, operating with electrical motors fully controllable by an individual or by the central BEMS unit.



## GLASS ATRIUM - CANOPY WITH BOLTED GLAZING



GLASSCON designed, engineered and installed an innovative structural glass atrium at a shopping mall. The glass canopy covers a surface of 1.650 square meters and is supported by STEEL SUBSTRUCTURE

along with stainless steel 4-way spider fittings. Glass panes are made of tempered-laminated safety glass, specially tinted to provide shading while allowing daylight.





## FIXED ALUMINIUM CANTILEVER SOLAR SHADES

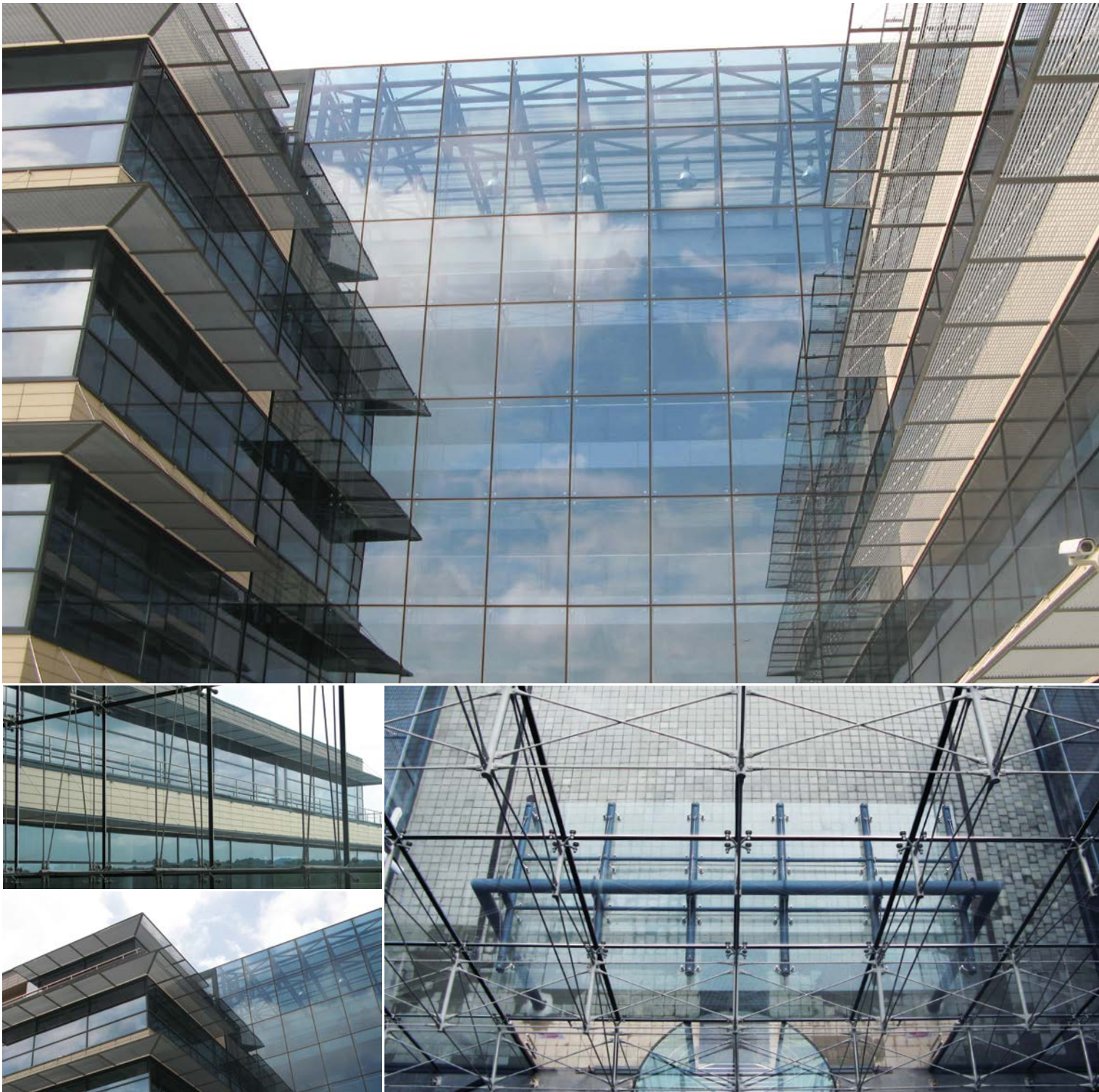


GLASSCON designed, engineered and constructed a brise soleil cantilever system for a country house with integrated FIXED ALUMINIUM BLADES. After comprehensive shading study, the selected system allows undisturbed view from the interior of the

building, whilst providing efficient shading. Cantilever width and inclination, as well as louver density is carefully selected to allow sunlight and heat gains during winter, but block summer sun and provide the required shading.



## CERAMIC CLADDING - SPIDER GLASS CURTAIN WALL TENSION ROD



GLASSCON designed, engineered and executed the whole façade works of the Department of Business & Technology building located at Baneasa, Romania. Scope of works included eight structural curtain wall systems of 32 meters height each one and

ceramic clay tiles cladding. The façade is supported by a stainless steel 3D TENSION ROD SYSTEM combined with struts along with pressure bars and 4-way spider glass fittings.





## ARCHITECTURAL BUILDING SKIN & CABLE NET SPIDER GLASS FAÇADE



GLASSCON designed, engineered and constructed a frameless illuminated curtain wall of a total height of 25 meters for a new office building. The façade is supported by a grid of stainless steel tensioned

CABLES along with custom made LED glass clamps. Structural calculations according to EC1 led to a cross section cable of Ø22mm thickness, pre-tensioned to 90kN horizontally and 43kN vertically.



## STRUCTURAL GLASS ATRIUM (MMA, HUNGARY)



GLASSCON was awarded the design of a structural glass entrance lobby bridging two existing historical buildings owned by the Hungarian Academy of Arts (MMA). The project entails the design of two glass facades with a continuous glass roof providing complete air tightness and

waterproofing to the atrium. The structural support system is a glass fin/ beam system based on continuous as one piece multi laminated glass fin/ beam. Overall, the façade spans from ground level +0.00 up to 11.86.





## UNITIZED CURTAIN WALLS & RETRACTABLE ROOF (JAKARTA/INDONESIA)



GLASSCON realized various façade works including the post tender façade engineering of a high rise building unitized curtain wall, as well as a cafeteria RETRACTABLE glass roof installation, located at Jakarta,

Indonesia. The installed retractable roof is made of aluminium profile rails, filled with insulated double glass panes specially coated to provide daylight and reduce solar gains.



## GERMAN EMBASSY ARCHITECTURAL BUILDING ENVELOPE



GLASSCON successfully designed, fabricated and installed a building envelope for a German Embassy building, which includes external STAINLESS STEEL & GLASS RAILS. All fittings and rails are made of high quality 316L mirror polished stain-

less steel. Glass rails are made of tempered-laminated safety glass, which has been processed with silk printing technology to meet architectural requirements and provide a unique design.





## HONEYCOMB CLADDING & SPIDER GLASS BUILDING FACADE

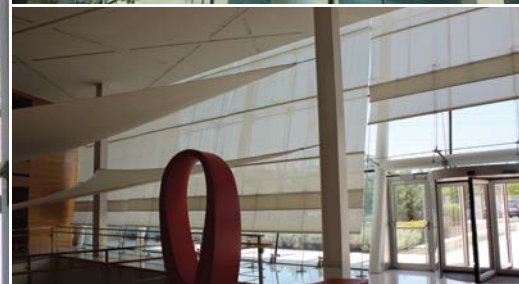
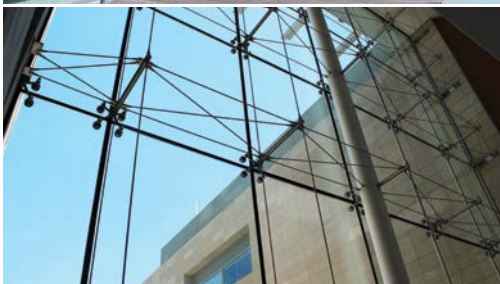


GLASSCON successfully designed, fabricated and installed a spider glass curtain wall for a SMEG front shop. The façade is supported by custom made horizontal STEEL TRUSSES, co-developed with the project architect. Glass panes are attached

to the truss via 316L stainless steel 4-way spider fittings. Glass panes are made of monolithic tempered glass and heat soak tested to minimize the risk of spontaneous breakages.



## ARCHITECTURAL FACADE FOR ADVERTISEMENT COMPANY HQ



GLASSCON designed, engineered and executed the complete façade works for an office building, including aluminium louvers, stone cladding and an inclined curtain wall. The structural glazing façade is supported by a stainless steel 3D TENSION ROD SYS-

TEM along with pressure bars and 4-way spider glass fittings. The glass panes are certified for sound proofing, as well as processed with silk printing technology to provide the corresponding shading.





## MOTORIZED BALLISTIC RETRACTABLE ENCLOSURE & SOLAR BLINDS



GLASSCON designed, engineered and installed a completely air and water tight movable glass roof as a pool enclosure, as well as a MINIMAL AWNING shading system, for a high end villa. The thermal broken aluminium profiles are filled with antivandal insulated DGU. The motorized

operation of the enclosure handled by linear actuators of the highest standards. The shading system uses STAINLESS STEEL ROPES and is completely remote controlled. Extra security is achieved by a stainless steel mesh installed as top coverage.



## SHOPPING MALL ARCHITECTURAL FAÇADE



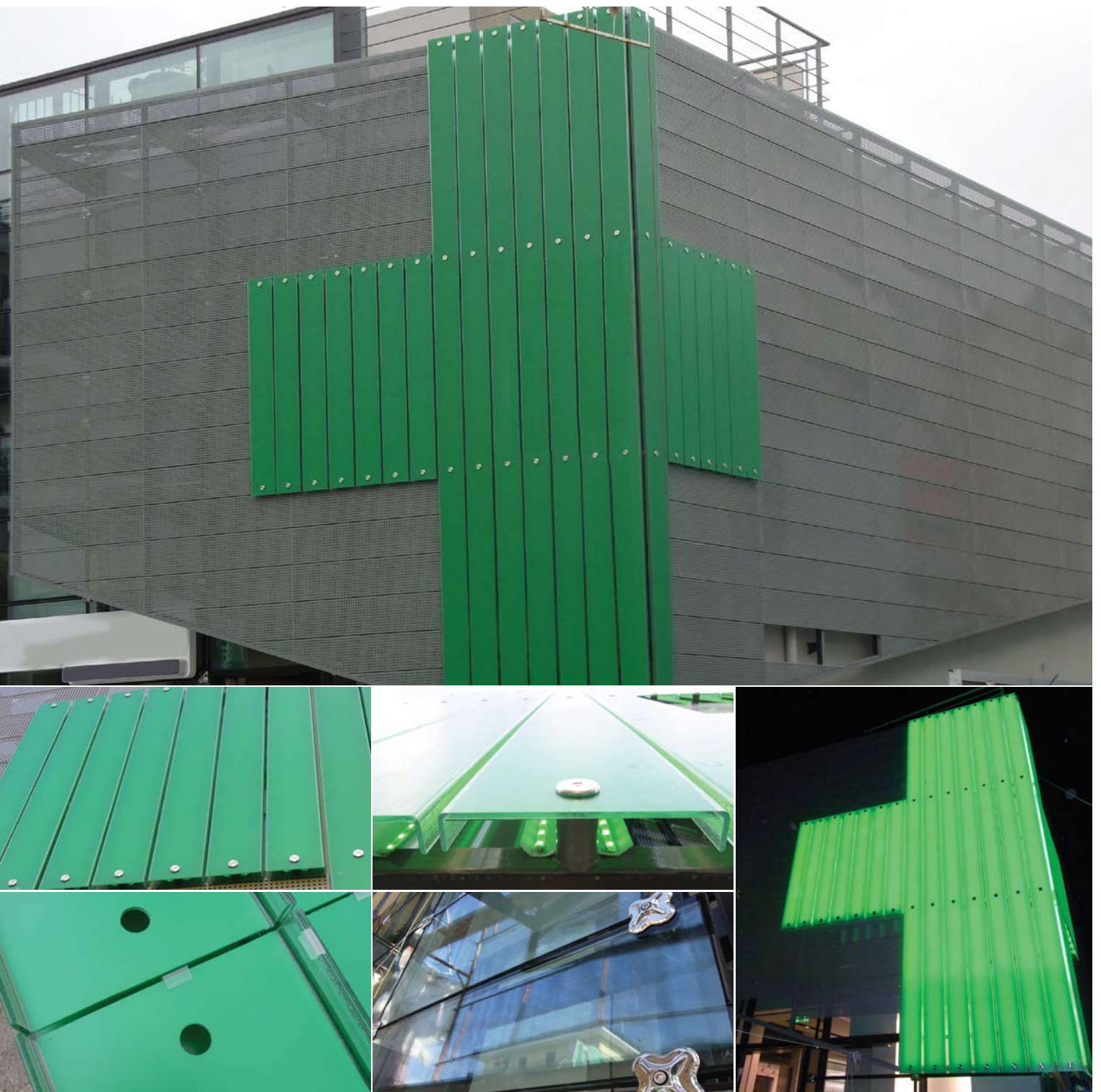
GLASSCON designed, engineered and executed various façade works for a shopping mall, including curtain walls, HPL and glass cladding, glass railings, ELEVATOR SHAFTS, as well as a bent spider glass façade. The

glass panes vary according to the application, including tempered-laminated, curved, fritted, silk printed, with different colors and coatings. All solutions applied are covering ca. 6.500 square meters.





## ILLUMINATED FACADE, U-GLASS & PERFORATED METAL CLADDING



GLASSCON designed, engineered and constructed a complete illuminated glass façade of a modern pharmacy, including metal sheet cladding, thermal insulated double glazing unit and U-SHAPED GLASS profiles installation using high quality point fixed stainless steel fittings. Insulated glass meets the highest thermal performance

standards. U-shaped glass profile reaches a length up to 7 meters and is illuminated via integrated LED stripes. Building cladding was completed with custom made aluminium perforated sheets of a unique pattern, in order to meet architectural requirements.



## ORES HEADQUARTERS BUILDING SKIN (CHARLEROI / BELGIUM)



GLASSCON designed and built the architectural skin for the new headquarters of ORES in Belgium. It consists of a bespoke shading system (brise soleil) with large-scale fixed vertical shades and cladding boards. Both systems utilize external

grade HPL boards with a wooden grain finish. The shading control devices are made of structural steel. Fixing to the primary building structure includes heavy-duty custom-made brackets, allowing deflection and movements in every direction.





## MOTORIZED WOODEN HPL SOLAR LOUVERS

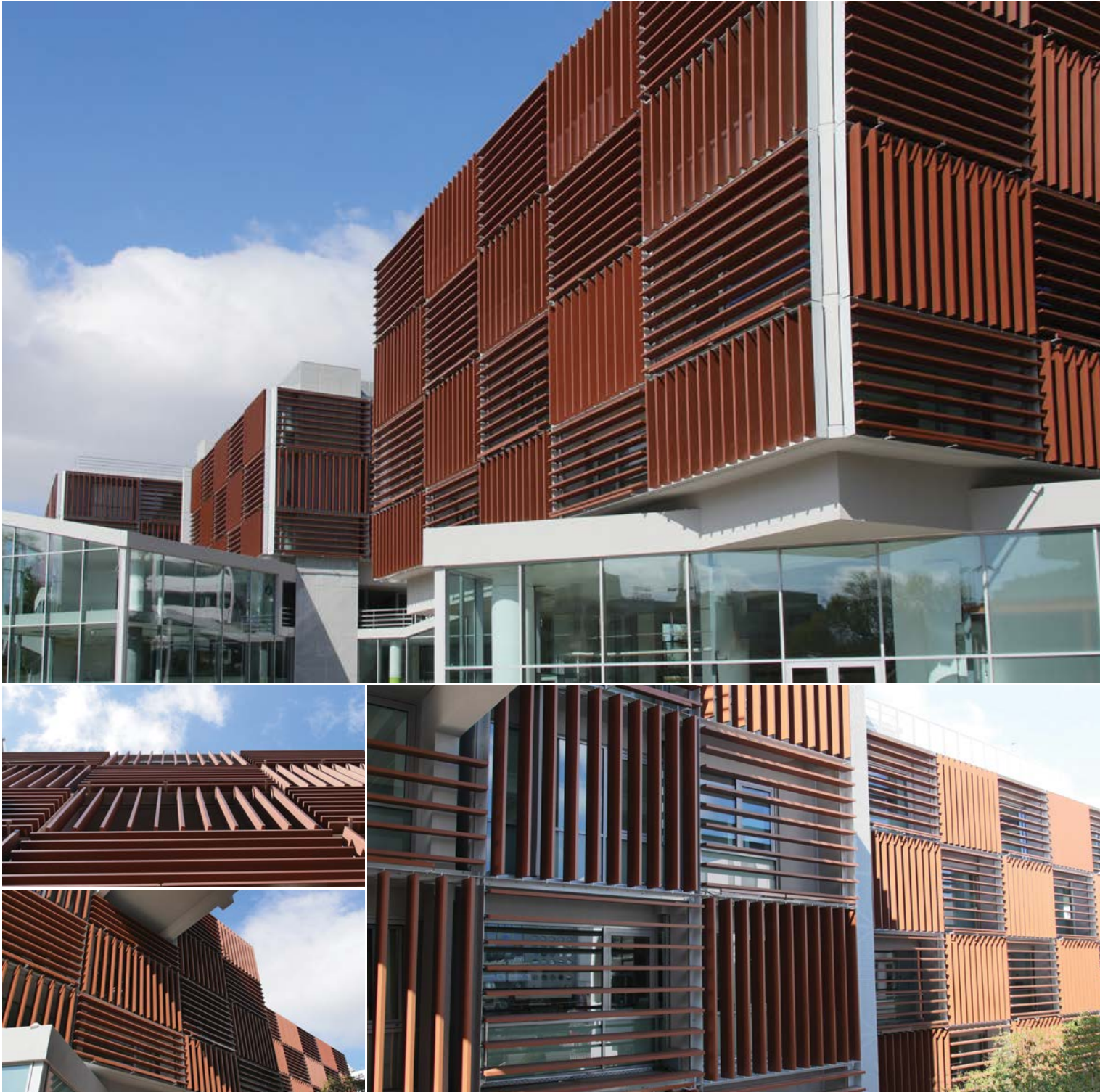


GLASSCON designed, developed and installed an external architectural motorized HPL SOLAR LOUVERS with a wood finish. The selected certified material is extremely weather and UV resistant, making it a low maintenance eco-friendly solution for outdoor small scale residential shading

applications. The timber alike sunshades are rotated through a central pivot, handled by stainless steel IP65 ELERO linear actuators. The whole system is fully programmable through BUS connection using WAREMA control units.



## OFFICE BUILDING COMPLEX REHABILITATION



GLASSCON was involved in the rehabilitation works of an office building complex, including the design, engineering, fabrication and installation of an architectural second skin which contributed the most to building's LEED Gold certification. The kinetic solar shading system combines solar gain

and daylight control with enhanced visual appeal. The building skin includes a custom-made system of electrically operated rotating louvers integrated into a grid canvas structure covering a surface of 2.500m<sup>2</sup> in a chessboard pattern that gives the building a unified, powerful identity.





## BUSINESS CENTER COSMOS SHOPPING MALL



GLASSCON successfully executed the complete façade works for the Business Center Cosmos Shopping Mall. Our design, engineering and installation services in-

clude all glazing, glass and stainless steel railings, roofing, exterior stone cladding, as well as a special FIRE-RATED CURTAIN WALL system.



## SHOPPING MALL & CAR MUSEUM



GLASSCON designed, engineered and successfully executed the complete set of façade and INTERNAL GLASS WORKS for a shopping mall and car museum. Scope of works included external cladding, internal and external stainless steel glass railings,

balustrades, SHOPFRONTS, walkways, glass floors and various finishing works. Most of the glass panes used were tempered-laminated in order to meet safety requirements, whilst all fittings used were made of the highest stainless steel grade.





## ENERGY EFFICIENT ARCHITECTURAL BUILDING ENVELOPE



GLASSCON designed, fabricated and installed a spider glass shop front for a large retail shop. The façade is supported by custom made vertical STEEL TRUSSES, co-developed with the project architect.

Glass panes are attached to the truss via 316L stainless steel 4-way spider fittings. Glass panes are made of monolithic tempered glass and heat soak tested to minimize the risk of spontaneous breakages.



## SANTIAGO CALATRAVA OLYMPIC PARK



GLASSCON successfully realized the design, engineering, fabrication and installation of various steel and glass works for the SANTIAGO CALATRAVA OLYMPIC PARK. Scope of works included turnkey solutions for balustrades, steel and glass railings,

walkways and glass shafts. Working closely with the architects and structural engineers of the project, GLASSCON developed custom made solutions fully compliant with all SAFETY STANDARDS applied in all public spaces containing glass structures.





## AKTOR GENERAL CONTRACTOR - HQ BUILDING FACADE



GLASSCON executed the energy efficiency study and all structural for the complete BUILDING ENVELOPE of an office complex and also implemented several cladding and shading systems helping energy savings. All cladding materials used are en-

ergy efficient to maximize buildings energy performance. All glazed areas are sun protected with separate small scale ALUMINIUM SHADING SYSTEMS (outdoor venetian blinds), with fully MOTORIZED operation paired to BEMS control unit.



## OFFICE BUILDING SKIN



GLASSCON designed, engineered and executed various façade works for a mid-rise office building, including marble honeycomb cladding, internal HPL cladding and a second skin glass façade. The double skin glass façade is supported by STEEL TRUSS SUBSTRUCTURE along with stainless steel

4-way spider glass fittings. The glass panes are extra clear to provide complete transparency, while air ventilation is achieved with waterproof glass MOTORIZED LOUVERED ROOF WINDOWS. Lightweight and rigid honeycomb composite panels complete the cladding of the façade.





## PLANETARIUM CURTAIN WALLS, GLASS FLOORS, WALKWAYS & BRIDGES



GLASSCON designed, engineered and executed various glazing applications works for a planetarium project, including SCHUECO curtain walls, as well as glass floors, walkways and bridges of a total

area of 6.650 square meters. The glass panes vary according to the application, including triple layer laminated, ANTISLIP fritted and silk printed, with different colors and coatings.



## EXHIBITION CENTER BUILDING FACADES (ACP & GLASS)

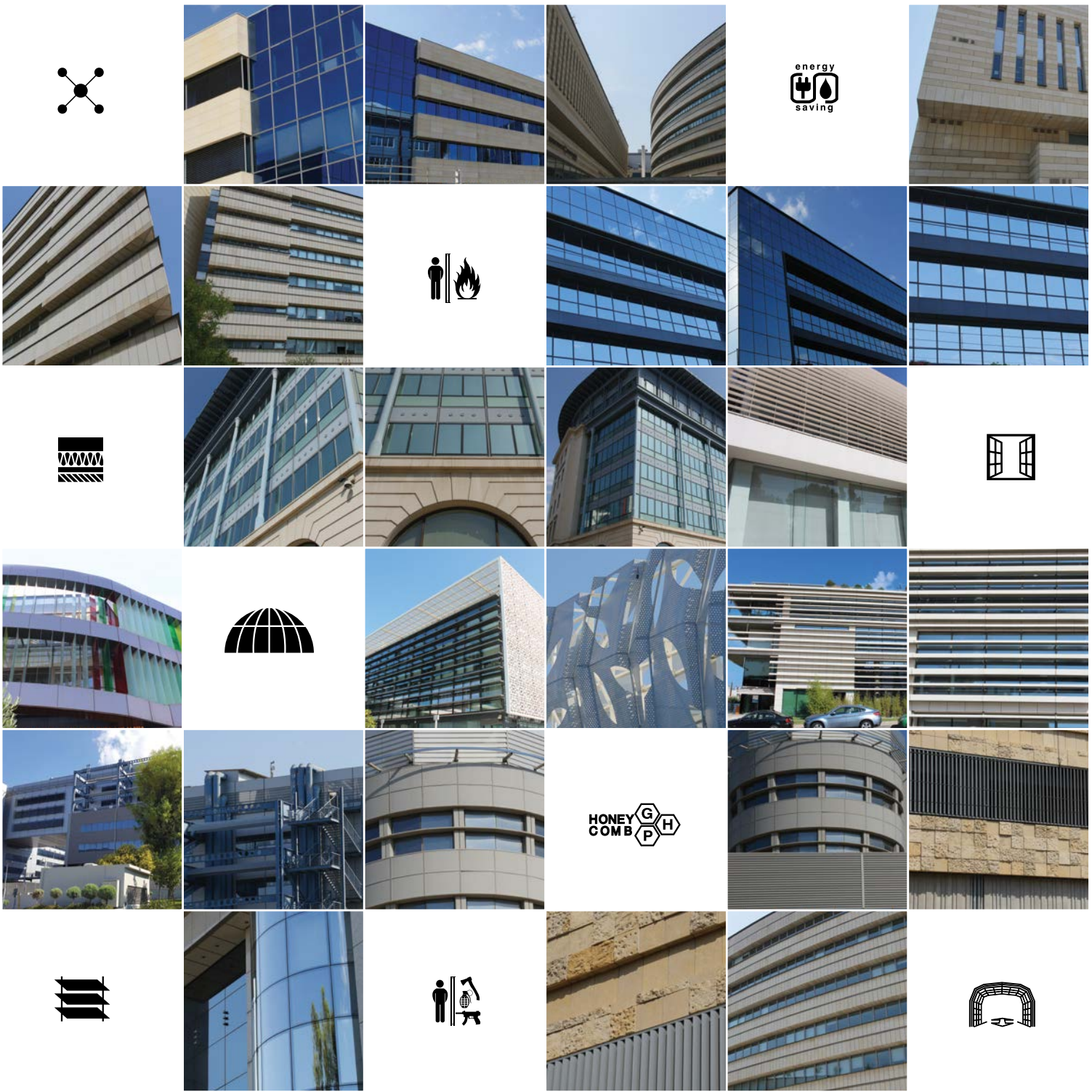


GLASSCON successfully executed various façade works for an international exhibition center building. Apart from the construction of a STRUCTURAL GLAZING entrance with spider fittings fixed on trusses substructure, GLASSCON provided consulting and instal-

lation supervision services for the rest of the building façade. All CLADDING is a mix of aluminium composite panels and colored glass panels, mechanically fixed on a supporting frame substructure, suitable to carry all structural loads.







Certified / Approved by:











**TÜV NORD**

**CERTIFICATE**

Management system as per  
**ISO 9001 : 2015**

In accordance with TÜV NORD CERT procedures, it is hereby certified that

**GLASSCON GmbH**  
Südliche Münchner Straße 2  
820 31 Grünwald, München  
Deutschland



applies a management system in line with the above standard for the following scope

**Consulting, Design, Engineering and Construction of Sustainable Building Skins, Architectural Building Envelopes & Bespoke Facades (Curtain Walls, Glazing, Cladding Systems, Brise Soleil, Solar Shades, Lead Assessment).**

Certificate Registration No. 44 100 16370036      Valid from 2016-05-26  
Audit Report No. 33692218      Valid until 2019-09-26

*K. K. K.*

Certification Body  
at TÜV NORD CERT GmbH

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

www.tuv-nord-cert.com



**TEST REPORT**

Number:  
**1994-CPR-RP1303**

Issuing date:  
**2016-02-08**

Applicant:  
**GLASSCON GmbH**  
Südliche Münchner Straße 2  
82031 Grünwald/München (Germany)

Tested product:  
**"GLASSCON CUSTOM MADE PUNCH WINDOW,  
SNFCC – RENZO PIANO FT-03 FAÇADE SYSTEM"**  
*(cf. description)*

Executed tests:  
**Air permeability  
Watertightness under static pressure  
Resistance to wind load**

Normative References:  
EN 13839:2003  
EN 12153:2000 - EN 12153:2002  
EN 1026:2000 - EN 12207:1999  
EN 12155:2000 - EN 12154:1999  
EN 12179:2000 - EN 13116:2001









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