SAINT-GOBAIN

# GLASS FOR FAÇADE

*2025 Edition*



SAINT-GOBAIN GLASS



# INTRODUCTION

## GLASS FOR FAÇADE

2025 EDITION

We are really pleased to share with you the new Saint-Gobain Glass «GLASS FOR FAÇADE» Reference Book .

As ever, this book presents some of the most iconic architectural projects recently completed using our glass products for façades, highlighting our customers and partners who have placed their trust in us for all these projects.

Symbolizing an era of significant shift in the needs of developers and architects, the projects presented are all exemplary in terms of sustainability, particularly in terms of energy efficiency and occupant well-being; Saint-Gobain Glass is honored to be one of the main contributors, demonstrating its commitment in this area to key stakeholders.

This new edition features a number of significant changes compared to previous editions:

A greater number of projects, reflecting our success in the façade market with our comprehensive range of COOL-LITE® high performance solar control glass solutions, as well as with our specialty products from Vetrotech, SageGlass and Swisspacer.

Increased internationalization beyond Europe, with more projects in North and South America, Asia, the Middle East and Africa, demonstrating our global footprint in the large projects market.

Architectural highlights including the world's first low-carbon glass, ORAÉ®, in France, Germany, Italy and Sweden. ORAÉ® is now an integral part of our glass façade product offering and is being specified and adopted by a growing number of stakeholders, proving day after day the value of this major Saint-Gobain Glass innovation.

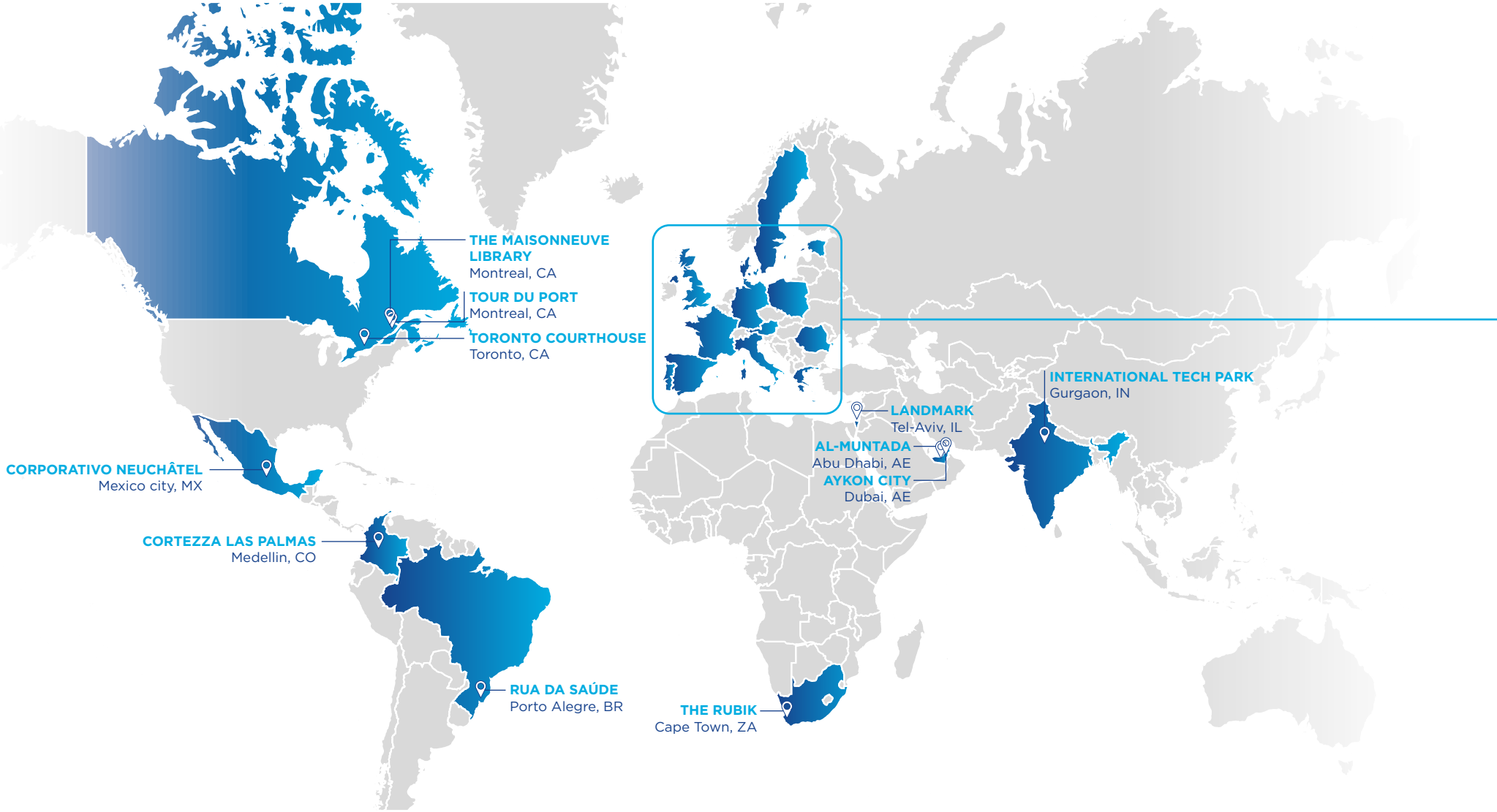
The rising trend towards circularity, with descriptions of closed-loop recycling initiatives for end-of-life glazing in several countries, during demolition/reconstruction or complete façade and window retrofitting.

The preponderant role played by environmental labels obtained by most projects, and their recognition by local awards, perfectly illustrating the deep-rooted trend in the construction industry towards more sustainable buildings.

And beyond glass, we are delighted to show all the other Saint-Gobain solutions specified and implemented in these projects, highlighting the Group's overall offering and expertise in the field of sustainable construction.

*We hope you enjoy discovering this new edition of our Reference Book!*

# PROJECT LOCATIONS




MAGASIN X
Uppsala, SE
PELGULLINA STATE SECONDARY SCHOOL
Tallinn, EE
FORSKAREN
Stockholm, SE
HABITAT 7
Gothenburg, SE
REDMOLEN
Copenhagen, DK
THE EDGE
Berlin, DE
LENDEROTH
Bremen, DE
EDEN
Manchester, UK
THE CRADLE
Düsseldorf, DE
LAKESIDE OFFICE
Warsaw, PL
POLISH HISTORY MUSEUM
Warsaw, PL
EMBLEM
Lille, FR
MINERVA HOUSE
London, UK
PLATINUM
Wiesbaden, DE
CAMPUS ENGIE
La Garenne-Colombes, FR
MARIA WARD SCHOOL
Nuremberg, DE
SAINT-GOBAIN RESEARCH PARIS
Aubervilliers, FR
VIENNA MUSEUM
Vienna, Austria
KALIFORNIA
Malakoff, FR
LIDL
Wangen, DE
BOLIVAR SCHOOL
Paris, FR
SCHNEIDER ELECTRIC
Stezzano, IT
ONE COTROCENI PARK
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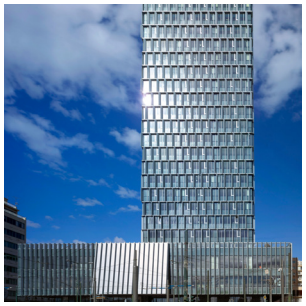

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Mixed use



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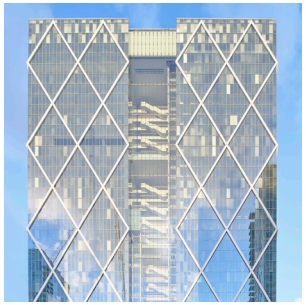

**LANDMARK** 113
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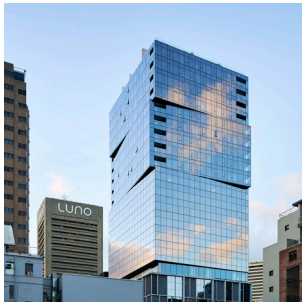
Mixed use

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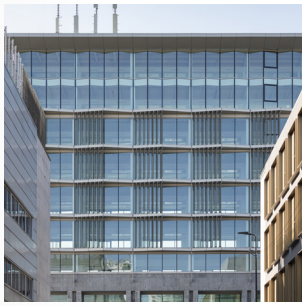

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AT A GLANCE


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Stena Fastigheter
ekan
JUNI
Handelsbanken
Brickland
Picler
voiym
*star innovation

# HABITAT 7

## GOTHENBURG, SWEDEN

OFFICES

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® XTREME 61/29 ORAÉ®**

| | |
|---|---|
| **Architect** | Arkitekterna Krook & Tjäder AB |
| **Developer** | NCC Property Development |
| **Façade contractor** | Fasadglas Bäcklin AB |
| **Glass processor** | Press Glass |
| **General contractor** | NCC |
| **Photos** | ©Sören Håkanlind |
| **Labels & Awards** | BREEAM Excellent, Noll$CO_2$ |

BREEAM® EXCELLENT



Video presenting
the project

Direction Gothenburg, Sweden, to discover “Habitat 7”, a new 8,000 m² office building developed by the general contractor NCC and featuring Saint-Gobain **ORAÉ®** low-carbon glass.

Inspired by the old harbour’s warehouses, the exterior of this impressive building features a solid wood structure and a curtain wall façade, created using a specific timber façade system, renowned for its low-carbon footprint.

**ORAÉ®**, the world’s first low-carbon glass developed by Saint-Gobain Glass, appeared as a natural choice for the façade. According to its verified EPD, the **ORAÉ®** substrate has a carbon footprint of only 6.64 kg $CO_2$ eq./m² (for a 4 mm thickness), spelling a reduction of 42% compared to our European standard clear glass product.

The building has received the BREEAM Excellent and NollCO₂ certifications for sustainable urban development in the broader Masthuggskajen area.

The highly selective **COOL-LITE® XTREME ORAÉ® 61/29** solar control glass product, assembled in triple glazing units, contribute to these labels by providing sufficient natural lighting in the workplace, a high level of thermal insulation, protection against overheating and reduced air-conditioning requirements.


OPTIMA
LITIGATE

# CAMPUS ENGIE

## LA GARENNE-COLOMBES, FRANCE

OFFICES

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® XTREME 70/33**
**COOL-LITE® XTREME 61/29**
**ECLAZ® ZEN**
**PYROSWISS®**
**CONTRAFLAM®**

OTHER SAINT-GOBAIN SOLUTIONS

**CHRYSO, CLIPPER CORAMINE, ECOPHON, ISOVER, KAIMANN, PLACO®**

| | |
|---|---|
| **Architects** | SCAU, Chaix & Morel et Associés, Art & Build |
| **Developer** | Nexity |
| **Façade contractors** | Ouest Alu, M Tech, Goyer |
| **Glass processor** | Saint-Gobain Vitrage Bâtiment Coutras |
| **General Contractor** | Bouygues Bâtiment |
| **Photos** | ©Olivier Martin Gambier |







The Engie Campus is a 94,000 m² sustainable development by Nexity featuring four office buildings, a central hub and an energy center set within a 1.3-ha landscaped park. The campus showcases sustainability with 37,500 m² of wooden structures and geothermal energy, making it a benchmark for low-carbon urban development.

At the core of the project is 42,400 m² of curtain wall façades glazed with Saint-Gobain Glass products, integrating 30,000 m² of high-performance glass tailored for optimal solar control and thermal insulation. The choice of glazing solutions for each façade was dictated by the building's specific orientation and solar exposure.

**COOL-LITE® XTREME 70/33**, used on the east and west façades, provides a balance of high light transmission and solar control, ideal for managing morning and afternoon sunlight. **COOL-LITE® XTREME 61/29**, selected for the south façade, offers stronger solar protection to mitigate intense midday heat.

Meanwhile, the **ECLAZ® ZEN** glazing on the north façade maximizes daylight, as this side receives minimal direct sunlight. This tailored approach ensures optimal energy efficiency, thermal comfort and visual quality throughout the building.

Delivered in 2024, the campus aligns with Paris La Défense's Charlebourg Urban Partnership Project, focused on creating a sustainable and inclusive ecosystem. The extensive greenery and biodiversity-focused design transform the site into a vibrant urban space, offering a model for future energy-efficient developments.



Video presenting the project

# THE EDGE EAST SIDE

## BERLIN, GERMANY

OFFICES

SAINT-GOBAIN GLASS PRODUCT

**COOL-LITE® XTREME 70/33 II**

| | |
|---|---|
| **Architect** | Bjarke Ingels Group (BIG) |
| **Developer** | EDGE Technologies GmbH |
| **Investors** | Allianz Real Estate / BVK |
| **Façade contractor** | Josef Gartner GmbH - Permasteelisa Group |
| **Glass processor** | Doering Glass GmbH Radeburg, vandaglas Eckelt |
| **Photos** | ©Olaf Rohl |
| **Label & Award** | WELL Gold |




ZUBLIN







*"Symbolises Berlin as a booming and lively city like no other."*

**Andreas Geisel**
Berlin's Senator for Urban Development, Construction and Housing

The names and location could not be more fitting: Project developer EDGE Technologies GmbH, in collaboration with the renowned architecture firm Bjarke Ingels Group (BIG), has brought the EDGE East Side to life on Warschauer Straße in Berlin-Friedrichshain. This energy-efficient office high-rise is designed with cutting-edge technologies to meet the demands of modern sustainable and innovative construction.

Designed as a vertical campus, the tower pushes boundaries in multiple ways. With a height of 140 m, it stands as Berlin's tallest office building to date. The EDGE HQ holds the distinction of being the first German project to be WELL Gold certified, a tribute to the building's exceptional health and well-being qualities.

Smart building solutions are integral to the project, enhancing both user comfort and energy efficiency. The same objectives guided the developer and planners in the façade design: it features a double-skin, ventilated aluminum façade with integrated sun protection, using **COOL-LITE® XTREME 70/33 II** high-performance solar control glass in triple glazing units. Configured in this way, the façade boasts 61% light transmission, 30% solar factor and exceptional thermal efficiency (Ug-value of 0.6 W/m²K), thus optimizing daylight entry and minimizing energy demand. All these features contribute to the building's outstanding overall performance.



Video presenting the project


Ontario Court
of Justice Toronto
Cour de Justice
de l'Ontario-Toronto



# TORONTO COURTHOUSE

## TORONTO, CANADA

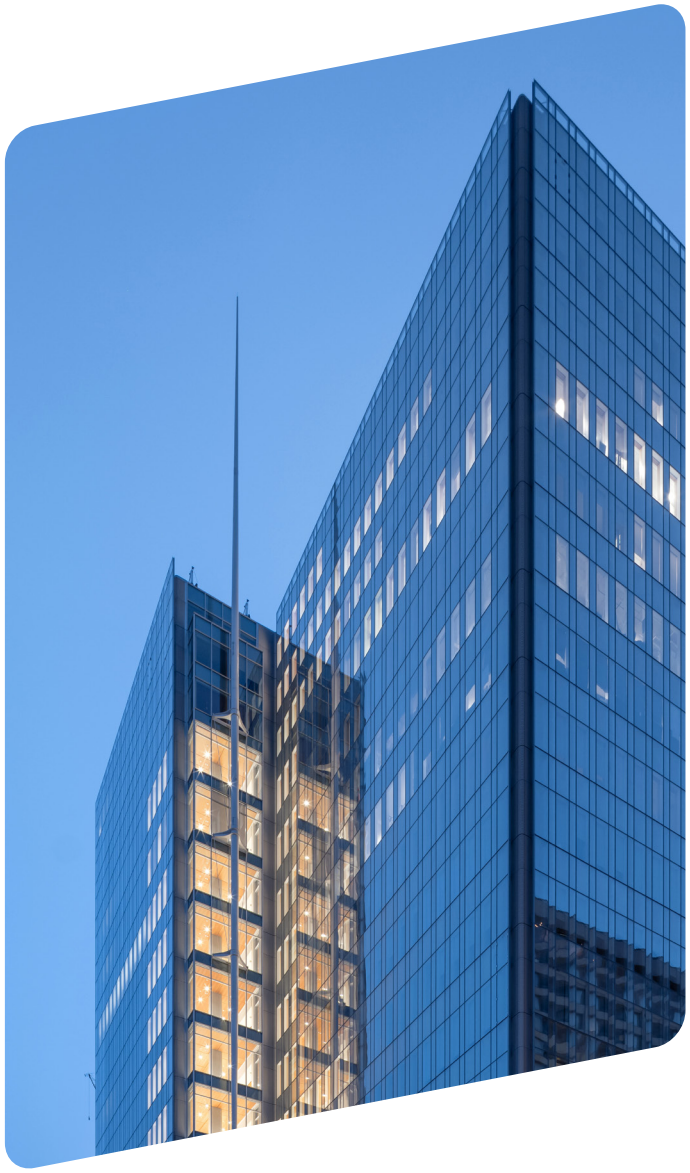
COURT OF JUSTICE

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® XTREME 70/33 II**
**COOL-LITE® ST BRIGHT SILVER**
**ECLAZ® ZEN**
**DIAMANT®**

| | |
|---|---|
| **Architect** | Renzo Piano Building Workshop with NORR |
| **Developer** | EllisDon Capital Inc. |
| **Façade contractor** | Antamex |
| **Glass processor** | Tvitec, Press Glass |
| **General contractor** | EllisDon Design Build Inc. |
| **Photos** | ©Scott Norsworthy |
| **Labels & Awards** | Antamex, the 2023 Ontario Glass and Metal Association Award for Execution |

OGMA
Ontario Glass & Metal Association



The new Toronto Courthouse, designed by Renzo Piano Building Workshop, is a remarkable addition to downtown Toronto. Located just steps from Nathan Phillips Square and Toronto City Hall, this 17-storey architectural landmark replaces six outdated court facilities, centralizing justice administration while blending seamlessly with Toronto's cultural and natural heritage.

The courthouse features 73 hearing rooms, providing a tailored environment to meet diverse judicial needs. At street level, a glass entrance welcomes visitors, while the main structure is raised on columns, revealing a 20-meter-high atrium with large glass walls that let natural light fill the space.

The building's façade spans approximately 117,000 $m^2$ and incorporates a unitized curtain wall. Saint-Gobain Glass is central to the courthouse's modern and sustainable design. The tower features **COOL-LITE® ST BRIGHT SILVER** on extra-clear **DIAMANT®** glass combined with **ECLAZ® ZEN**, both laminated for added safety. Meanwhile, the podium incorporates **COOL-LITE® XTREME 70/33 II** on **DIAMANT®**, offering exceptional solar control, clarity, and energy efficiency.

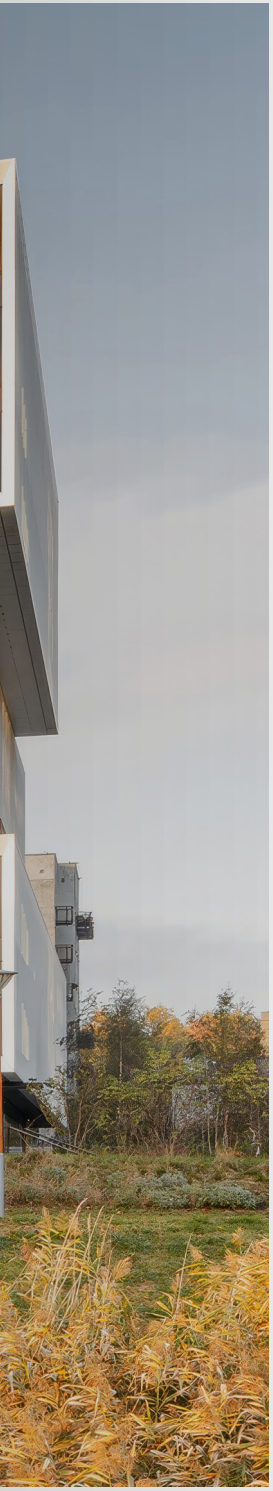
Inside, the courthouse merges refinement with functionality. Panelized walls made from durable materials integrate seating, signage, and lighting, creating an environment that is both practical and inviting. The Toronto Courthouse exemplifies a perfect balance of elegance, efficiency and the smart use of advanced façade materials.











# LAKESIDE OFFICE

## WARSAW, POLAND

OFFICES

SAINT-GOBAIN GLASS PRODUCT

**COOL-LITE® SKN 176 II**

OTHER SAINT-GOBAIN SOLUTIONS

**GCP**

**ISOVER** (Glass mineral wool board)

**RIGIPS®** (Partitions systems and acoustic ceiling)

| | |
|---|---|
| **Architect** | Grupa 5 Architekci |
| **Developer** | Atenor |
| **Façade contractor** | Alsal |
| **Glass processor** | Uniglass |
| **General contractor** | PORR S.A. |
| **Photos** | ©Adam Grzesik |
| **Labels & Awards** | BREEAM Outstanding, WELL Gold |

BREEAM®

WELL GOLD



Video presenting
the project

Located in Warsaw's Mokotów district, the LakeSide Office Complex redefines modern and sustainable workplaces. With 22,700 m² of flexible office space across two interconnected buildings, it combines a sleek glazed façade with a green recreational area and pond, balancing functionality and aesthetics.

A standout feature is the use of Saint-Gobain Glass solutions, including **COOL-LITE® SKN 176 II, STADIP® PROTECT** and **PLANITHERM® XN**, assembled in triple glazing units.

**COOL-LITE® SKN 176 II** ensures high solar control and optimal light transmission, reducing energy consumption while preventing excess heat and glare for a comfortable indoor environment. **STADIP® PROTECT** provides safety, while **PLANITHERM® XN** guarantees superior thermal efficiency for year-round comfort and energy savings.

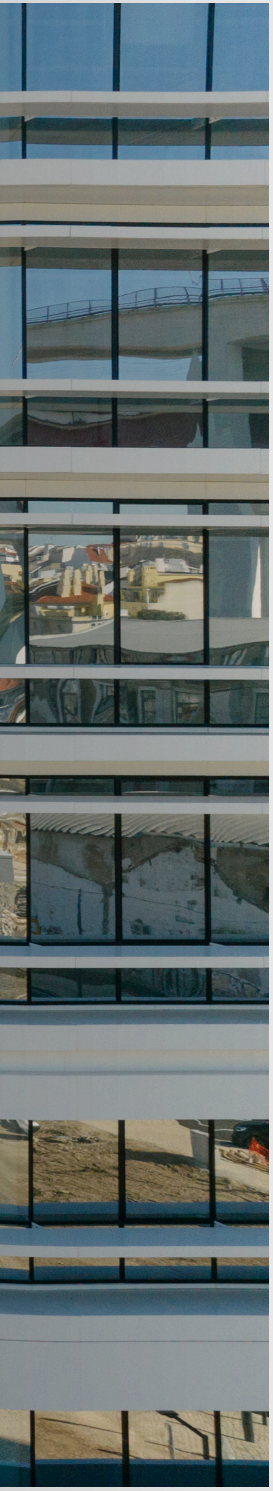
These glass solutions create a comfortable, well-lit environment that promotes productivity and prioritizes worker well-being. They help to underpin the building's BREEAM Outstanding and WELL Gold certifications, showcasing its dedication to sustainability and occupant comfort.

LakeSide is a benchmark for more sustainable office design, merging innovation and performance to create an inspiring workspace.









# ALLO ALCÂNTARA

## LISBON, PORTUGAL

OFFICES

SAINT-GOBAIN GLASS PRODUCTS

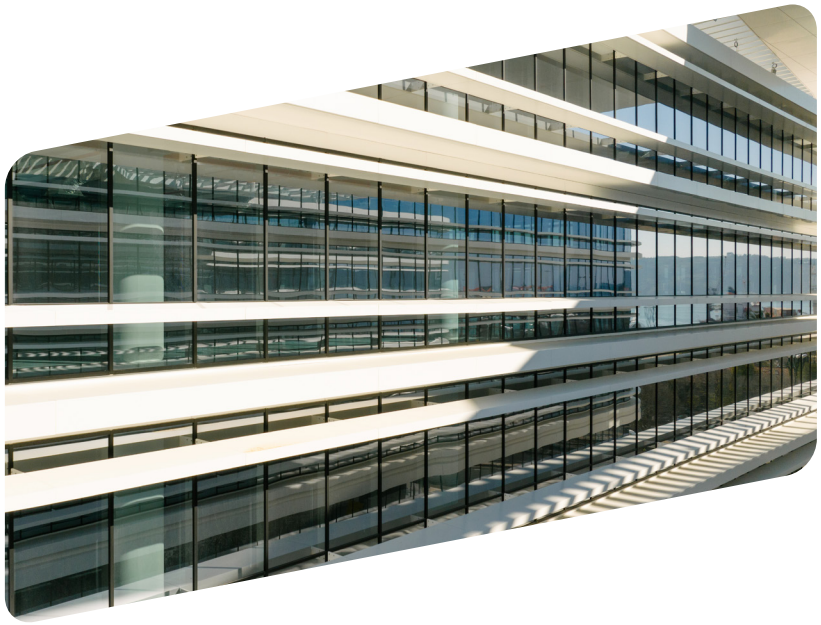
**COOL-LITE® KS 138 II**
**STADIP SILENCE®**

OTHER SAINT-GOBAIN SOLUTIONS

**ISOVER** (CLIMAVER® 360 A2 NETO)

**WEBER** (WEBERCOL FLEX S+, WEBERCOLOR PREMIUM+, WEBERFLOOR EPOXY PLUS)

| | |
|---|---|
| **Architect** | Saraiva e Associados |
| **Façade contractors** | Facal, Seveme |
| **Glass processors** | Covipor, Tvitec |
| **General contractors** | Consórcio HCI Construções S.A. e Alves Ribeiro S.A. |
| **Photos** | ©Saint-Gobain |
| **Label & Award** | LEED v4 |



A large-scale project in Lisbon, Portugal, the ALLO Alcântara Offices have become an important landmark in their surroundings thanks to the white structure that connects them at the top.

The project comprises 2,200 $m^2$ of floor space spread over two rooftops, each offering over 1,100 $m^2$ of space with breathtaking views of the river. A 1,500 $m^2$ central plaza connects the two buildings, creating a unique hub for users.

The ALLO offices provide an environment where occupants can feel immersed in a modern, innovative, and, above all, inspiring space. The project also includes a catering area with an outdoor terrace, enhancing the comfort and experience of its visitors.

The glass used for the façade of this project, **COOL-LITE® KS 138 II**, is a solar control glass which not only guarantees excellent energy efficiency but also boasts a silver reflective design that gives the building's exterior a uniform, striking appearance.

This is a LEED v4-certified project, based on an approach that goes beyond a simple sustainable building design, guaranteeing comfortable, energy-efficient, and high-performance spaces.







# KALIFORNIA

## MALAKOFF, FRANCE

OFFICES

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® XTREME 70/33 ORAÉ®**

Video presenting the project

| | |
|---|---|
| **Architect** | Ateliers 2/3/4/ |
| **Developer** | Bouygues Immobilier |
| **Façade contractor** | Ouest Alu |
| **Glass processors** | Saint-Gobain Vitrage Bâtiment Coutras, Doering Glass GmbH Berlin |
| **Engineering** | Arcora |
| **Photos** | ©Nicolas Thouvenin, ©Léon Grosse |
| **Labels & Awards** | BREEAM, HQE Bâtiment Durable |

BREEAM®

CERTIFICATION HQE BÂTIMENT CERTIFIÉ PAR CERTIVÉA









Kalifornia is a modern office building located in the south of Paris, designed with a focus on well-being and sustainability. The project features terraces on every floor, providing outdoor spaces where users can relax and enjoy moments of fresh air.

The building is flooded with natural light, creating a comfortable and pleasant work environment for all its occupants, and the façade is in terracotta, which fits in perfectly with the surrounding townhouses and the local architectural landscape.

The use of Saint-Gobain Glass products for the façade guarantees optimum energy performance, modern design and generously lit spaces for enhanced occupant comfort.

Bouygues Immobilier pioneered the use of **ORAÉ®** low-carbon glass, combined with **COOL-LITE® XTREME 70/33** high-performance solar cladding, including the curved version, to reduce both the building's embodied and operational carbon footprints.

A first for a building of this type, it has since paved the way for many other carbon reduction projects.



*«We chose to use Saint-Gobain's low-carbon glass on Kalifornia because it allows us to optimize the carbon footprint of the operation insofar as it has a low-carbon footprint and is composed of 64% of recycled glass.»*

**Sonia Da Silva**
Bouygues Immobilier



# BORGO SANTANDREA

## AMALFI, ITALY

HOSPITALITY

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® XTREME 70/33**
**DIAMANT®**
**TIMELESS®**

OTHER SAINT-GOBAIN SOLUTION

**LOGLI** (DEFENDER 810)

| | |
|---|---|
| **Architect** | Rino Gambardella Architettura |
| **Façade contractors** | Garone Habitat S.r.l., Metalmarano |
| **Glass processor** | Vetreria Moscato S.r.l. |
| **Photos** | ©Lorenzo Bartoli - Saint-Gobain Italy |



High above the Amalfi Coast in southern Italy, Borgo Santandrea is a magnificent 5-star hotel offering a blend of luxury, comfort and breathtaking views of the Tyrrhenian Sea. Located in Conca dei Marini, one of the most picturesque villages on the coast, this Mediterranean retreat boasts 30 rooms and 19 suites, all with panoramic views of the sea.

**COOL-LITE® XTREME 70/33** glass floods the interiors with natural light while blocking two-thirds of the sun's heat, creating a unique, cool environment that enhances visual comfort and energy efficiency. Paired with **DIAMANT®** low-iron glass, which provides exceptional clarity and eliminates greenish tints, the design connects indoor and outdoor spaces, highlighting stunning coastal views.

Inside the rooms, to ensure long-lasting beauty and durability, **TIMELESS®** anti-corrosion glass was used for the shower enclosures, to retain crystal-clear transparency over time, even in such a challenging coastal environment. Its invisible coating ensures enduring brilliance, making it an ideal choice for a project that prioritizes both aesthetics and functionality.

By incorporating these advanced glass solutions, Borgo Santandrea perfectly combines elegance, luxurious amenities and a deep connection with its natural surroundings, setting a new benchmark for architectural excellence in coastal hotels.







# INTERNATIONAL TECH PARK

## GURGAON, INDIA

OFFICES

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® SKN 154**
**COOL-LITE® ST 150**
**COOL-LITE® SKN 176**

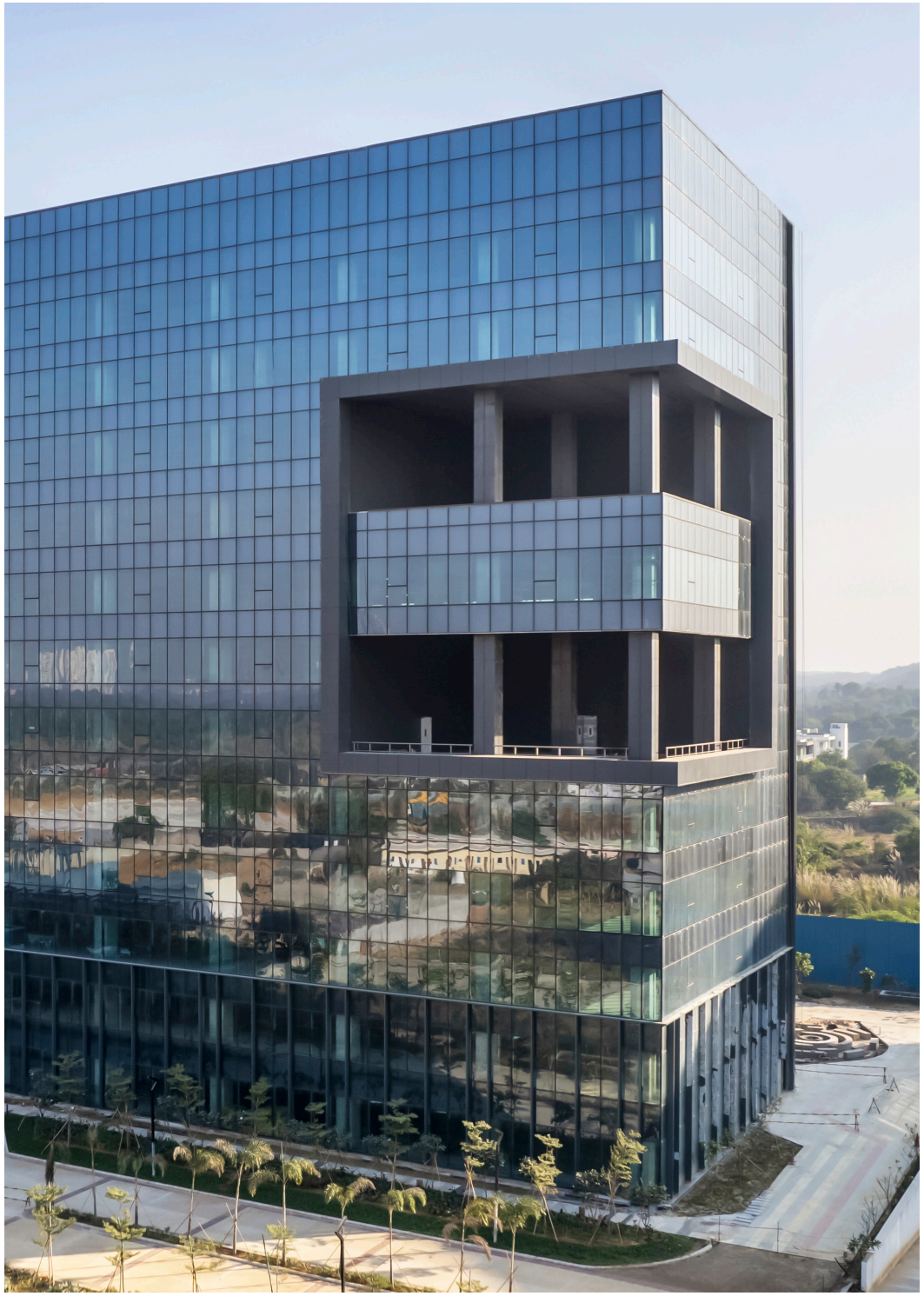
| | |
|---|---|
| **Architect** | Morphogenesis |
| **Façade contractor** | Alufit |
| **Glass processor** | Fuso India |
| **General contractor** | Capitaland |
| **Photos** | ©Ankit Kedia |
| **Label & Award** | LEED Platinum |




OPTUM
OPTUM







International Tech Park Gurgaon (ITPG), developed by Ascendas-Singbridge, is a premium Grade A IT Special Economic Zone (SEZ) that sets new standards for modern workplaces.

Designed to the highest standards, the park features a ground level, nine floors, and three levels of basement car parking. It has earned the prestigious USGBC LEED Platinum certification, reflecting its commitment to sustainability and energy efficiency.

Strategically located in Gurgaon's emerging business district within the National Capital Region, ITPG is close to the city's most prestigious landmarks. With seamless connectivity to the metro network and other transport options, the park provides rapid access to New Delhi and the airport.

The park offers top amenities, including a food court, a nursery, a gym, and a multipurpose sports court, creating a dynamic workspace for professionals.

The façade of the building incorporates advanced glazing solutions to ensure both aesthetics and functionality. Products such as **COOL-LITE® SKN 154** for vision glazing, **COOL-LITE® ST 150** for spandrels, and **COOL-LITE® SKN 176** on the ground floor façade contribute to energy efficiency, optimal incoming daylight and a modern architectural design.

International Tech Park Gurgaon combines sustainable infrastructure, a prime location, and premium amenities, making it a key driver of regional economic growth.



# POLISH HISTORY MUSEUM

## WARSAW, POLAND

CULTURE

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® SKN 083**
**ECLAZ® ZEN II**
**STADIP SILENCE®**
**DIAMANT®**

OTHER SAINT-GOBAIN SOLUTIONS

**CHRYSO, ECOPHON, GCP, ISOVER, PAM, RIGIPS®, SWISSPACER, VETROTECH, WEBER**

| | |
|---|---|
| **Architect** | WXCA |
| **Developer** | Polish Ministry of Culture and National Heritage |
| **Façade contractor** | Elkam |
| **Glass processor** | Glassolutions Pruszków, Pilkington IGP |
| **General contractors** | BUDIMEX S.A |
| **Photos** | ©Bartosz Makowski |
| **Labels & Awards** | Winner of the REAL ESTATE IMPACTOR 2024 Award, ULI Global Award for Excellence 2024 and Prix Versailles competition 2024 |




MUZEUM HISTORII POLSKI





Video presenting
the project

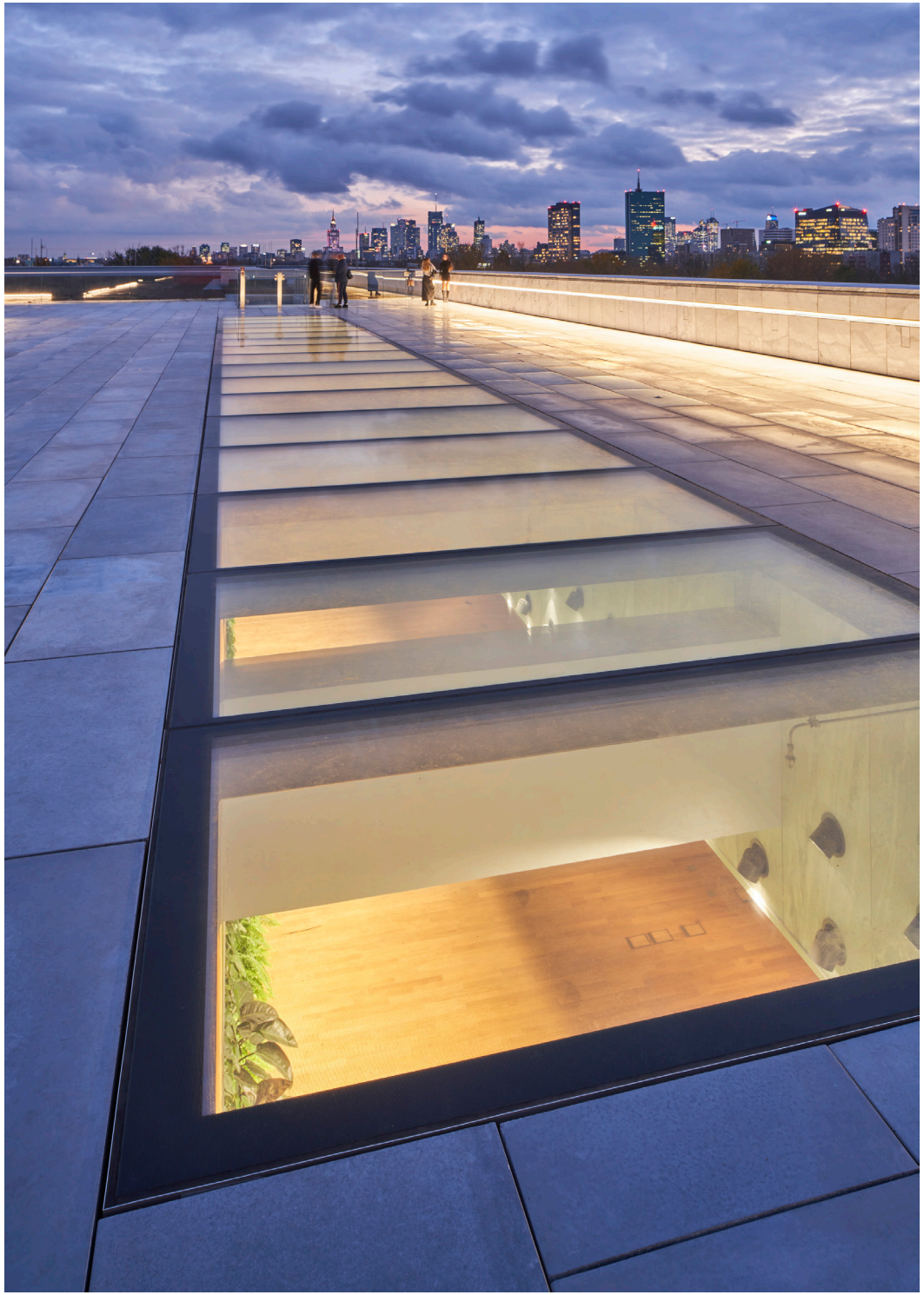
The Polish History Museum, located within the historic Warsaw Citadel, is a landmark project that blends cultural heritage with contemporary design. Inspired by the site's 18th-century layout, the complex features the Polish History Museum at its core, with two symmetrical Polish Army Museum buildings on either side.

Spanning 44,000 m$^2$, the building consists of four above-ground floors and two underground levels, housing educational spaces, an auditorium, a cinema-theater hall, a library, dining areas and a panoramic viewing platform overlooking Warsaw. The museum also plays a dynamic educational role, organizing events and temporary exhibitions throughout the year.

To enhance the visitor experience, **COOL-LITE® SKN 083 II** solar control coated glass combined with **ECLAZ® ZEN II** on extra-clear **DIAMANT®** was chosen for the façade and roof triple glazing, for its ability to highlight the museum's works of art by ensuring very high natural light transmission while maintaining energy efficiency and exceptional thermal insulation. In addition, the use of **STADIP PROTECT SILENCE®** laminated glass made it possible to achieve the high level of acoustic insulation performance expected in such a location.

All these features contribute to a bright, open and comfortable interior, allowing visitors to fully appreciate the exhibits and cultural activities. By combining historical inspiration with modern materials and sustainable solutions, the Polish History Museum stands as a symbol of knowledge and remembrance.






Workspaces available
Manchester's most sustainable workspace



# EDEN

## MANCHESTER, UNITED KINGDOM

OFFICES

SAINT-GOBAIN GLASS PRODUCTS

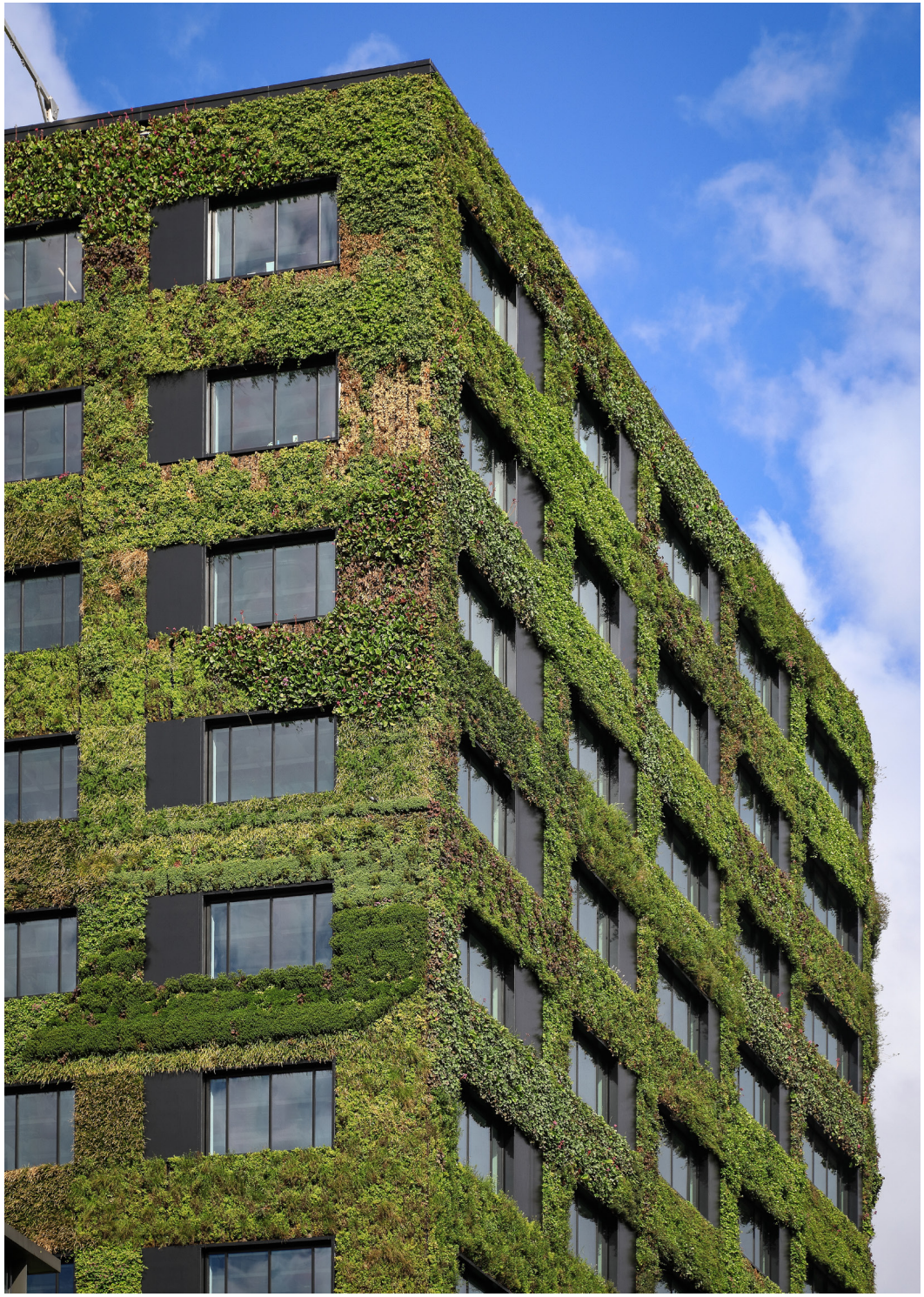
**COOL-LITE® XTREME 61/29**
**STADIP SILENCE®**

| | |
|---|---|
| **Architect** | Make Architects |
| **Developers** | Muse, Legal & General and Homes England |
| **Façade contractor** | Quest Solutions |
| **Glass processor** | Euroview |
| **General contractor** | Bowmer & Kirkland |
| **Photos** | ©Joel Fildes, ©John Kees |
| **Labels & Awards** | 5.5-star NABERS UK Design Reviewed, BREEAM Outstanding |

5.5 NABERS DESIGN

BREEAM®


Spaces available
Manchester's most
sustainable workspace



Eden, a 12-storey office development in Manchester's New Bailey district, embodies sustainability and net-zero carbon principles, meeting UK Green Building Council standards for operational carbon neutrality. Its most distinctive feature is Europe's largest living wall, spanning 3,300 $m^2$ with over 350,000 plants across 32 species. This façade promotes biodiversity, purifies the air and regulates temperature, representing a net gain in biodiversity of 2,000%.

The façade features **COOL-LITE® XTREME 61/29**, chosen for its outstanding solar control performance, with a low solar factor considerably reducing air-conditioning requirements and a high level of light transmission, while achieving extremely neutral aesthetics.

Given the building's downtown location, noise reduction was a key consideration. Combined with **STADIP SILENCE®** laminated glass, the glazing solution significantly improves acoustic insulation, ensuring a quieter and more comfortable indoor environment for occupants. Laminated glass also enhances safety, making it ideal for busy urban settings.







# SCHNEIDER ELECTRIC

## STEZZANO, ITALY

OFFICES

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® SKN 176**
**ORAÉ®**

OTHER SAINT-GOBAIN SOLUTIONS

**ISOVER** (ISOVER PIR BLACK, BITUVER BITUMASTIC)

**WEBER** (WEBERTHERM PLUS ULTRA)

| | |
|---|---|
| **Architect** | Pietro Valicenti |
| **Façade contractor** | Caneva Serramenti |
| **Glass processor** | Vetrerie Esposito S.n.c. |
| **General contractor** | Brusban Company S.r.l. |
| **Photos** | ©Lorenzo Bartoli - Saint-Gobain Italy |



Schneider Electric's renovated head office in Stezzano, Italy, marks a milestone in the company's sustainable efforts. One of the highlights of this project is the use of **ORAÉ®** low-carbon glass, a world first. With an exceptionally low carbon footprint of 6.64 kg $CO_2$ eq./$m^2$ for 4 mm glass, achieved thanks to 64% of recycled content, ORAÉ® represents a significant leap in sustainable construction.

Paired with the **COOL-LITE® SKN 176** coating, this solution combines excellent solar control and high light transmission, thus dramatically reducing both embodied and operational carbon, supporting Schneider Electric's sustainability goals.

Additional enhancements include Saint-Gobain's webertherm plus ultra thermal insulation system, which use phenolic resin panels for effective thermal protection in a compact format, and a lightweight roof insulation package featuring Isover PIR Black panels and Bituver Bitumastic mastic for superior weather resistance and energy efficiency.

This renovation not only reinforces Schneider Electric's commitment to sustainability but also enhances employee comfort and well-being, setting a new standard for modern, more sustainable office spaces.



# AL-MUNTADA

## ABU DHABI, UNITED ARAB EMIRATES

MIXED USE

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® XTREME 50/22 II**
**SAGEGLASS®**
**CONTRAFLAM®**

OTHER SAINT-GOBAIN SOLUTIONS

**ADFORS, ECOPHON, GYPROC®, ISOVER, SOLAR GARD®, WEBER**

| | |
|---|---|
| **Architects** | AMAR Golden Design, Obermeyer Middle East |
| **Façade contractor** | Al-Hassan Aluminum |
| **Glass processor** | White Aluminum |
| **General contractor** | Walkthru General Contracting |
| **Photos** | ©Phil Handforth |
| **Labels & Awards** | LEED Gold, Estidama 4 Pearl, Masdar Building Design Regulations & Energy Guidelines |




SAINT-GOBAIN


External Solutions
Internal Solutions
ecophon SAINT-GOBAIN
Acoustic panels
SAINT-GOBAIN
Lightweight façade systems
gyproc SAINT-GOBAIN
High performing wall partitions and acoustic ceiling solutions
KIMMCO ISOVER SAINT-GOBAIN
Acoustic HVAC ducts and building insulation
weber SAINT-GOBAIN
Insulated Roofing solutions
vetrotech SAINT-GOBAIN
Advanced fire rated glass
(for internal glass partitions)
SAINT-GOBAIN
High performance solar control glass
SageGlass SAINT-GOBAIN
Dynamic glass
(tints on demand)
weber SAINT-GOBAIN
Façade ETICS/EIFS
SAINT-GOBAIN
Solar control window films
weber SAINT-GOBAIN
Flooring & tiling solutions
AL-MUNTADA
Knowledge Space by Saint-Gobain

Spanning 400 m² over three floors, the Al-Muntada exhibition space in the United Arab Emirates is designed to inspire and educate, showcasing the forefront of sustainable construction. With no fewer than 25 Saint-Gobain solutions integrated into the structure, interior and exterior, Al-Muntada provides a platform for learning and collaboration for industry professionals, students and stakeholders.

The building features a groundbreaking façade system, including electrochromic, high-performance, fire-resistant glass that ensures superior energy efficiency, comfort and aesthetics. Advanced façade solutions like **COOL-LITE® XTREME 50/22 II, SageGlass®** and **Vetrotech** fire-resistant glazing deliver safety, thermal insulation and block 80% of heat, ensuring comfort in the UAE's hot climate.

A key factor in the project's design was the use of GlassPro, Saint-Gobain's innovative visualization tool. GlassPro allows stakeholders to explore the rendering of different glazing options under various lighting conditions, angles and settings, enabling precise comparisons between different coated glass products.

This technology played a crucial role in selecting the ideal coated glass for the façade, ensuring the perfect balance of aesthetics and performance for the UAE's hot and sunny climate.

Al-Muntada's dynamic space serves as a living showroom, demonstrating the potential of Saint-Gobain's comprehensive product portfolio in creating innovative, sustainable structures.




GlassPro physico-realistic rendering image





# EMBLEM

## LILLE, FRANCE

MIXED USE

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® XTREME 70/33**
**COOL-LITE® ST BRIGHT SILVER**

| | |
|---|---|
| **Architects** | Hamonic & Masson, Red Cat Architecture, Atelier Altern |
| **Developer** | Nacarat |
| **Façade contractor** | Coveris |
| **Glass processor** | Saint-Gobain Vitrage Bâtiment Lille |
| **General contractor** | PMN |
| **Photos** | ©Tony Masclet |
| **Label & Award** | BREEAM Excellent |

BREEAM® EXCELLENT



In the heart of Lille, France, the Emblem project is redefining urban architecture with its ambitious scale and cutting-edge design. This mixed-use building combines 17 floors of residential apartments with 9 floors of office space, perfectly situated in the city center. The façade features advanced glazing solutions from Saint-Gobain Glass, contributing to the project's achievement of the prestigious "Excellent" rating under the BREEAM certification, a globally recognized standard for sustainable building performance.

The glazing is carefully selected to meet the project's demanding specifications for aesthetics and energy efficiency. Highly selective **COOL-LITE® XTREME 70/33** solar control glass lets in a maximum of natural light (70%) while retaining more than two-thirds of the sun's heat. This performance reduces air conditioning requirements and electricity consumption, ensuring optimum indoor comfort and energy efficiency all year round. Complementing this is **COOL-LITE® ST BRIGHT SILVER**, a solar control coated glass with a sleek, reflective finish, that enhances the building's modern aesthetics.

The project's focus on sustainability and logistics efficiency makes the Emblem a standout example of French innovation and sustainable design.



# VIENNA MUSEUM

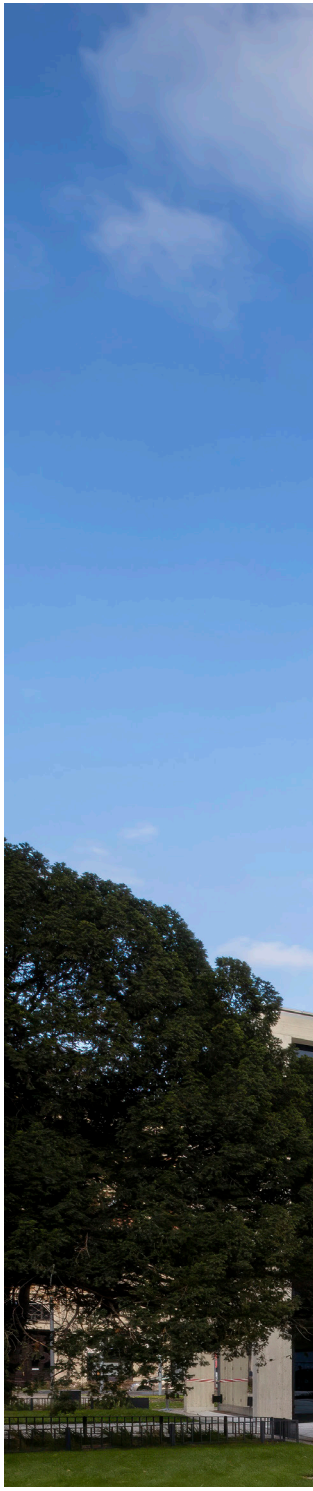
## VIENNA, AUSTRIA

CULTURE

SAINT-GOBAIN GLASS PRODUCT

**SAGEGLASS®**

| | |
|---|---|
| **Architects** | ARGE Čertov, Winkler + Ruck |
| **General contractors** | ARGE PORR, Ortner and Elin |
| **Glass processor** | SageGlass® |
| **Photos** | ©Lisa Rastl, ©Christian Koblitz, ©Christian Scheidegger |




Wien Museum
Meine Geschichte







The Vienna Museum on Karlsplatz has undergone a transformative renovation, blending historic preservation with modern sustainability. The addition of a floating concrete extension nearly doubles the museum's floor space to 12,000 $m^2$, while a new glass pavilion enhances its connection to the surrounding environment.

**SageGlass®** Classic smart glass was selected for all glazed areas separating the interior and exterior. This innovative solution optimizes daylight while minimizing heat gain, reducing reliance on air conditioning and artificial lighting.

The glass adjusts dynamically to weather conditions, guaranteeing a stable indoor climate essential for the conservation of historic exhibits. The aim was to preserve the museum's traditional architecture while incorporating a timeless glazing solution that protects the interior from excessive light and heat.

The project also includes renewable energy systems for heating and cooling, making the museum almost energy self-sufficient. This ambitious renovation not only safeguards the building's architectural heritage but also aligns with modern energy efficiency standards, reflecting Vienna's commitment to sustainability.







# RUA DA SAÚDE

## PORTO ALEGRE, BRAZIL

HEALTHCARE

SAINT-GOBAIN GLASS PRODUCT

**COOL-LITE® ST 136**

| | |
|---|---|
| **Architect** | Seferin Arquitetos da Saúde |
| **Developer** | Seferin Arquitetura |
| **Façade contractor** | Avec Design |
| **Glass processor** | Cyberglass |
| **General contractor** | Brafer |
| **Photos** | ©Roberta Francine Gewehr |
| **Label & Award** | Abravidro Award - Glass South America |

*"We received drawings of each of the triangles, with their respective measurements, and we can safely say that there is not a single piece that is the same size as another"*

**Rodrigo Seixas Guerrero**
Cyberglass



The Rua da Saúde project, located in the heart of São Paulo, Brazil, is a remarkable example of modern and sustainable architecture. This multipurpose building combines a healthcare complex with research and educational spaces, creating an integrated and vibrant environment for the local community.

This magnificent glass structure was designed to support 1,750 triangular pieces of laminated glass, demonstrating exceptional craftsmanship and engineering. **COOL-LITE® ST 136** was selected not only for its flexibility in processing to achieve such a construction but also for its excellent solar control properties, allowing abundant natural light while minimizing solar heat gain, for a thermal and light comfort below the structure.

Recognized for its innovative design and sustainable approach, the Rua da Saúde project was awarded the first Abravidro Award at Glass South America in 2024, winning the category for projects and works that use glass. This distinction underscores its role as a benchmark for modern and sustainable architecture.





# REDMOLEN

## COPENHAGEN, DENMARK

OFFICES

SAINT-GOBAIN GLASS PRODUCTS

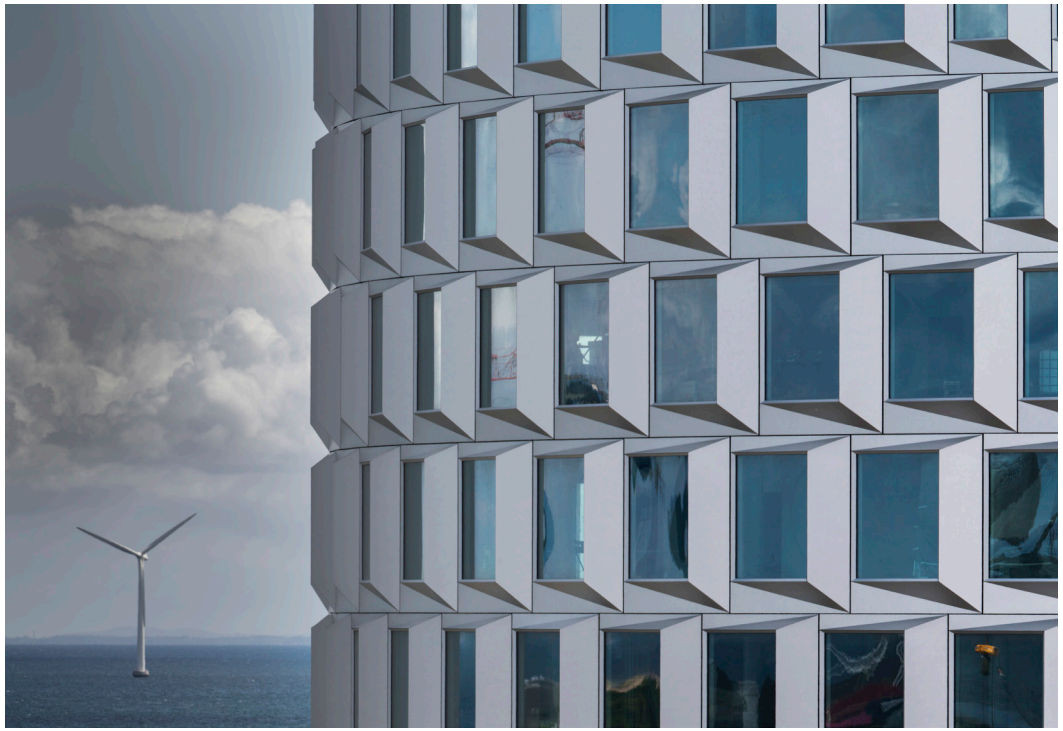
**COOL-LITE® SKN 176**
**ECLAZ® LUMI**

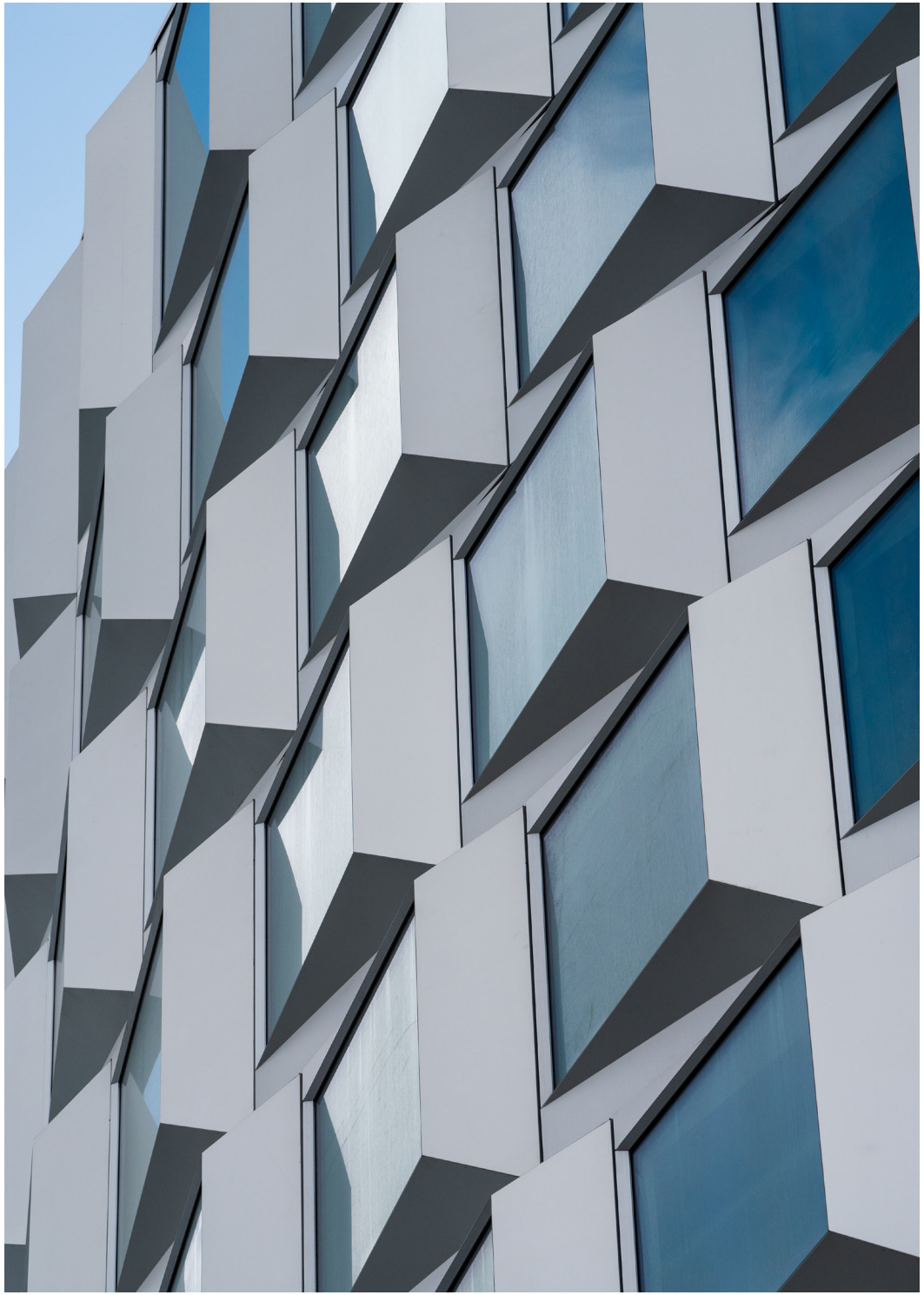
| | |
|---|---|
| **Architects** | Vilhelm Lauritzen Architects, COBE Architects |
| **Developer** | PFA Ejendomme A/S |
| **Façade contractor** | Feldhaus Fenster + Fassaden |
| **Glass processor** | Doering Glass GmbH Radeburg |
| **General contractor** | Pihl & Søn A/S |
| **Photos** | ©Pihl Koncernen |
| **Label & Award** | DGNB Gold |











Located in the thriving Nordhavn district, the building reflects the architectural innovation on display in Copenhagen, the World Capital of Architecture 2023. A combination of modernity and functionality, this circular 60-meter-high glass and steel tower stands prominently at the harbor's entrance and features a prefabricated façade spanning 12,000 $m^2$.

Extensive daylighting analyses were essential in optimizing the façade design of the Redmolen office building. Hourly daylight simulations guided the positioning of elements, with narrower panels on the sunnier south face to minimize glare, and wider panels on the east, west, and north to let in more light.

The resulting façade design ensures excellent energy efficiency and occupant comfort, thanks to a smart triple-glazing combination incorporating **COOL-LITE® SKN 176**, **ECLAZ® LUMI** and Kvadrat Shade metallized textile interior blinds to control the cold, heat, daylight and glare.



Video presenting the project





# ENTEGRA

## BARCELONA, SPAIN

OFFICES

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® XTREME 70/33**
**COOL-LITE® XTREME 60/28**

| | |
|---|---|
| **Architect** | Batlleiroig Arquitectura |
| **Developer** | OCP – Obra Civil Profesional |
| **Façade contractor** | ACIEROID |
| **Glass processor** | Glassolutions Lalín |
| **Photos** | ©Oriol Gomez |
| **Label & Award** | LEED Gold |



The Oficianas Entegra is a low-carbon footprint office building designed to promote sustainability and to integrate lots of greenery. It encourages low-carbon emission mobility while prioritizing user comfort and energy efficiency.

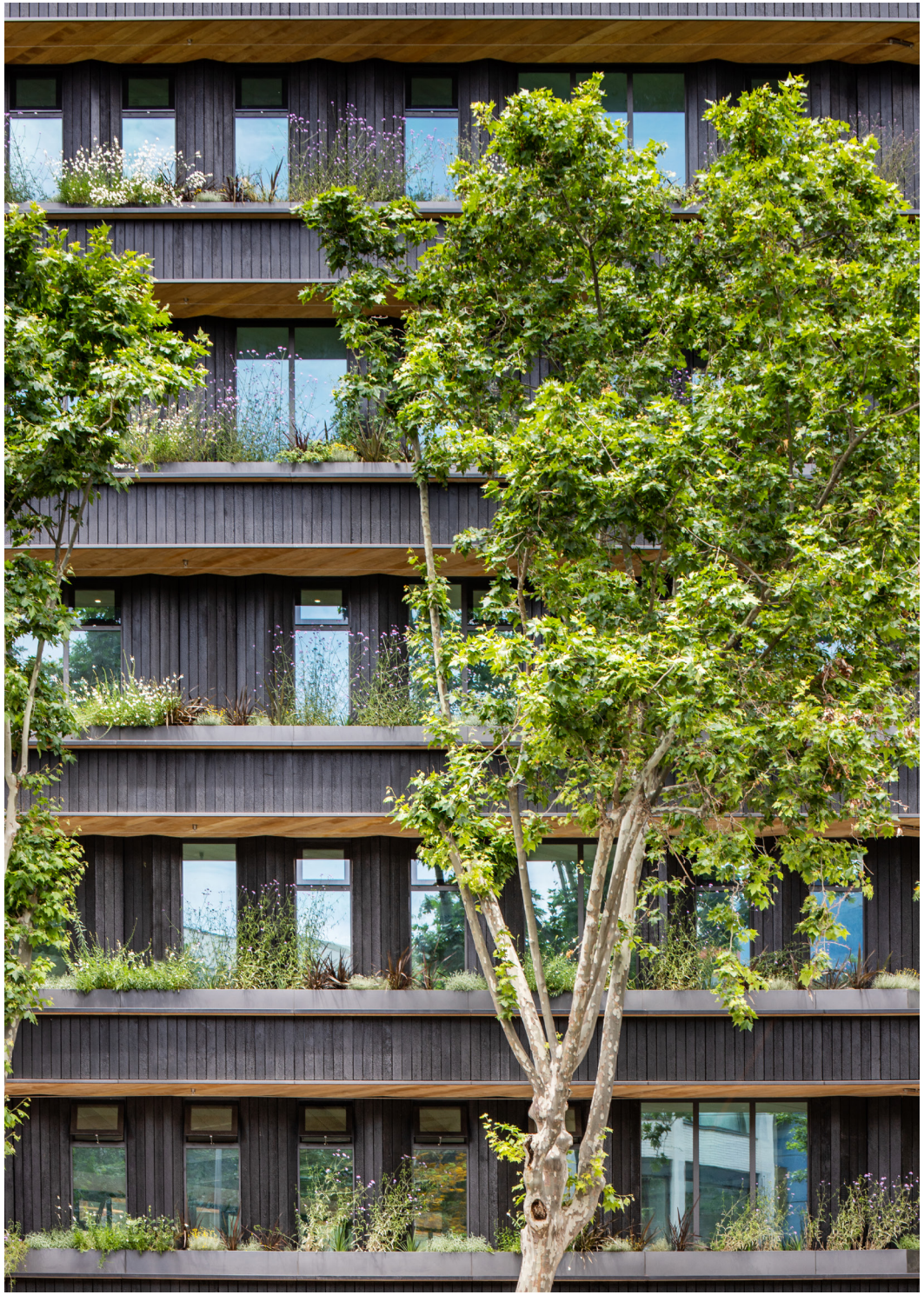
The building sits on a chamfered corner in the tech district, reflecting the signature design of the Cerdà grid. The scheme is defined by a public, open-plan ground floor that connects to the block's open spaces and eight floors of offices.

The façade incorporates two high-performance glazing solutions with extremely selective **COOL-LITE® XTREME** coatings ensuring ample natural daylight and thermal comfort.

Products in the **COOL-LITE® XTREME** family offer a balanced solution that maximizes light intake (70%) while filtering out the sun's heat (67%), making them ideal for areas requiring enhanced solar control.

Both products contribute to energy efficiency by reducing the need for artificial lighting and air-conditioning, while their neutral aesthetics enhance the building's modern design.





# CORPORATIVO NEUCHÂTEL

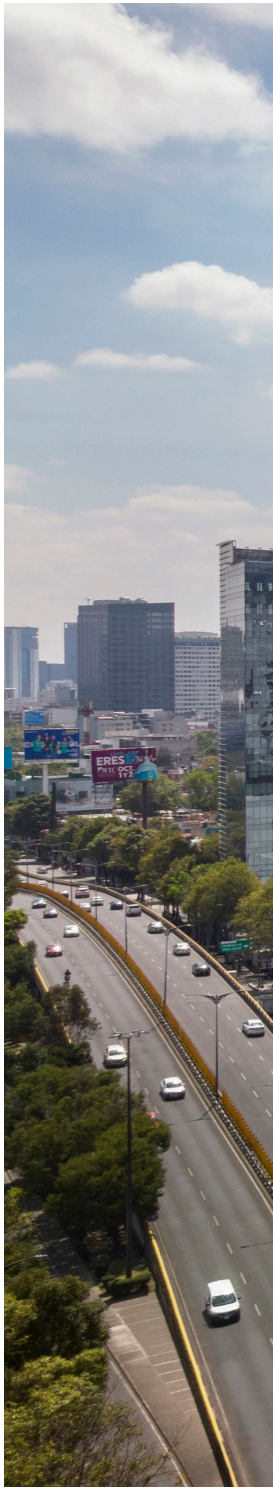
## MEXICO CITY, MEXICO

OFFICES

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® SKS 143 II**
**COOL-LITE® SKN 144 II**
**COOL-LITE® SKN 176 II**

| | |
|---|---|
| **Architect** | HOK |
| **Developers** | Hines, Ivanhoé Cambridge, MIRA |
| **Façade consultant** | Curtainwall Design Consulting |
| **Façade installation supervision** | The Façade Studio |
| **Façade contractor** | Aluvisa |
| **Glass processor** | M Industria |
| **General contractors** | Hines, Ivanhoé Cambridge, MIRA, Gran Ciudad |
| **Photos** | ©Jaime Navarro |
| **Labels & Awards** | LEED v4 C&S, WELL Core & Shell |











Corporativo Neuchâtel is a key component of Cuadrante Neuchâtel Polanco, a mixed-use development located in one of the city's fastest-growing areas. The project benefits from excellent pedestrian and vehicular access, connecting tenants and visitors to a wide range of nearby amenities.

This high-performance building comprises 19 floors of Class A+ office space, meticulously designed by the renowned international firm HOK. Corporativo Neuchâtel reinvents office space with a focus on hospitality, efficiency and dynamic working environments.

The tower offers exceptional amenities, including an integrated cafeteria and library in the lobby, a fitness center, conference center, coworking spaces, bicycle parking, electric vehicle and EV charging stations.

Corporativo Neuchâtel is the first project in Mexico to have both WELL & LEED certifications, reflecting its commitment to sustainability, health and well-being.

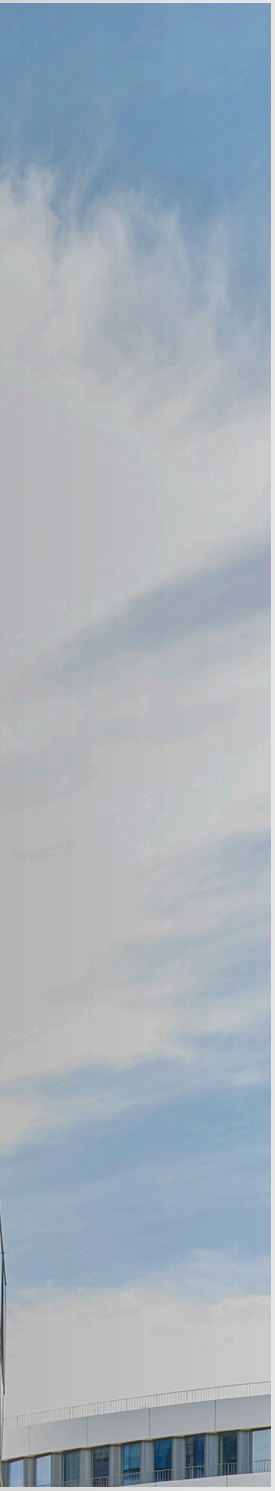
The building's façade incorporates advanced glazing solutions from Saint-Gobain Glass, including the silver reflective **COOL-LITE® SKS 143 II**, the highly neutral and transparent **COOL-LITE® SKN 176 II**, and **COOL-LITE® SKN 144 II**. These solar control glazing solutions ensure optimal solar control and daylight penetration, thus reducing the need for cooling and artificial lighting, while contributing to the building's modern and sophisticated design.



Hines, together with global real estate investor Ivanhoé Cambridge, developed Corporativo Neuchâtel, the first office building within the master-planned community of Cuadrante Neuchâtel, located in the heart of Mexico City.

Corporativo Neuchâtel is Mexico City's first truly high-performance office building, offering 19 floors of Class AAA office spaces with floor plates of 2,200 square meters. Designed by global architecture firm HOK, the office building was constructed to the highest architectural and structural standards, meeting or exceeding international building codes for mechanical, electrical, and safety specifications.





# THE CRADLE

## DÜSSELDORF, GERMANY

OFFICES

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® SKN 154**
**COOL-LITE® SKN 176**

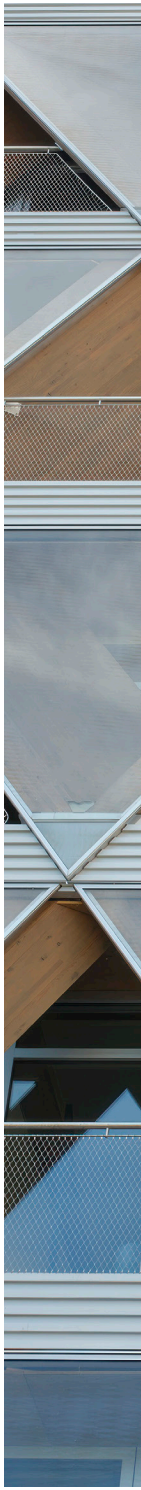
| | |
|---|---|
| **Architect** | HPP Architekten GmbH |
| **Developer** | The Cradle GmbH & Co. KG |
| **Façade contractor** | Feldhaus Fenster + Fassaden GmbH & Co. KG |
| **Glass processor** | Doering Glass GmbH Radeburg |
| **Photos** | ©Olaf Rohl - Saint-Gobain Glass |

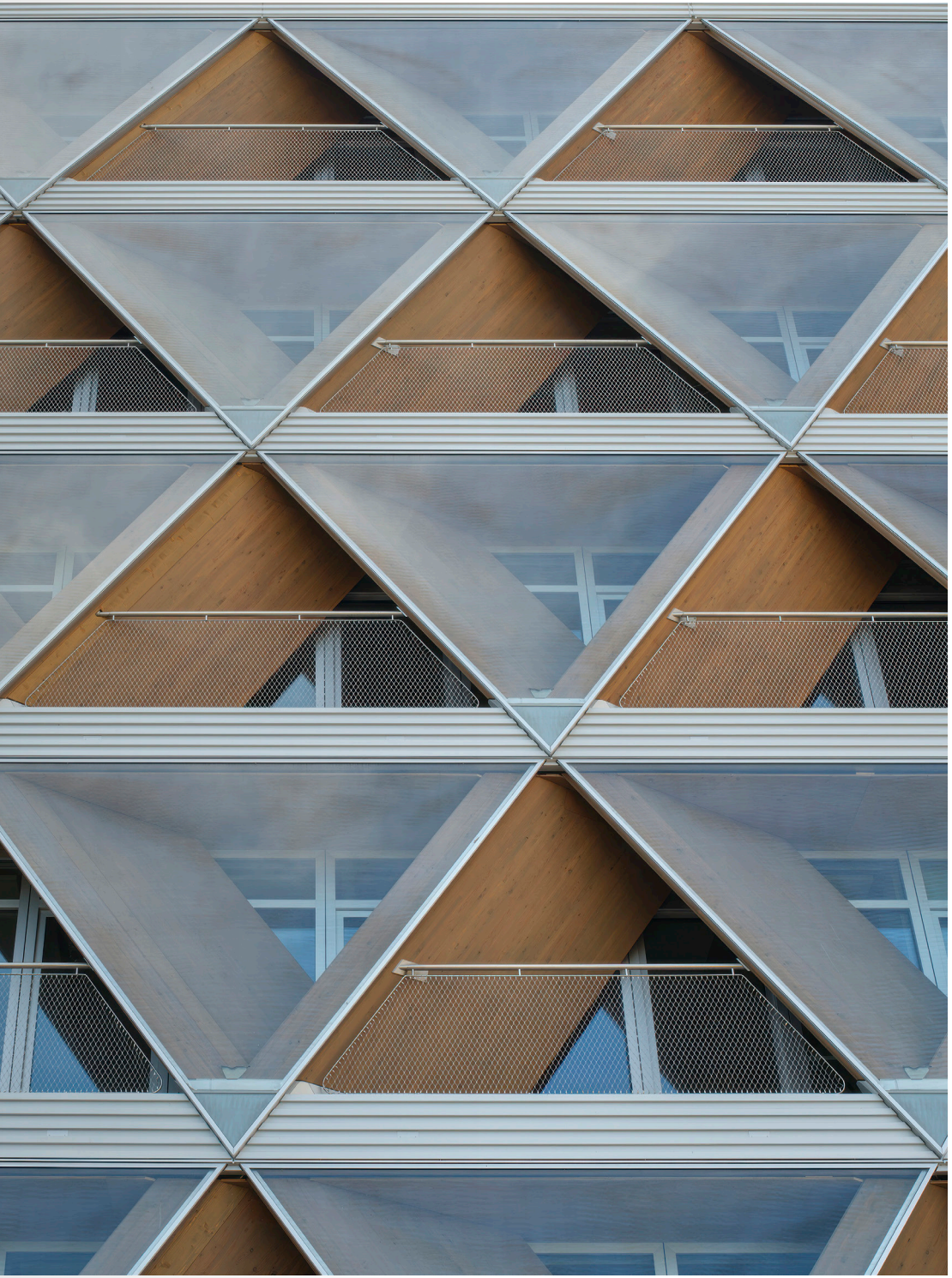


Located in Düsseldorf's Medienhafen district, The Cradle, the city's first timber-hybrid office building, stands as a pioneering example of circular construction, embodying the Cradle-to-Cradle® certification principle through innovative design and sustainable practices. The building integrates 2,150 $m^3$ of sustainably sourced European wood, complemented by an eye-catching rhomboid façade that combines structural and shading functions.

A standout feature of the glass façade is its use of Saint-Gobain's high-performance solar control glazing, **COOL-LITE® SKN 154** and **COOL-LITE® SKN 176** which were selected for their ability to provide excellent solar control and medium or high light transmission, crucial for reducing solar heat gain and maintaining a well-lit, comfortable interior environment. Each alternate façade panel features a protective plate that enhances acoustic insulation and enables natural ventilation, promoting healthy indoor air quality.

In keeping with the Cradle-to-Cradle® certification philosophy, The Cradle functions as a materials bank. All construction materials were chosen for their recyclability, which guarantees they can be reused or reintegrated into production cycles. This project exemplifies forward-thinking architecture and will serve as a model for future developments in circular building design.







# RECYCLING PROJECTS

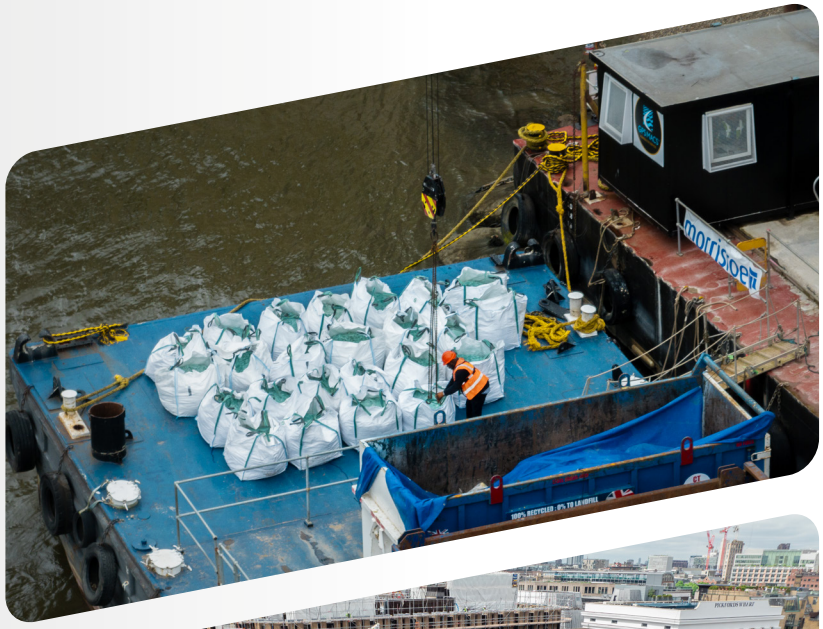
Glass, known for its durability, can be recycled endlessly, without compromising on quality, aesthetics or physical properties. Incorporating greater quantities of cullet (waste glass) into our production offers significant environmental benefits: 700 kg $CO_2$ eq. (scopes 1, 2, and 3) per tonne of cullet, while preserving 1.2 tonnes of natural resources.

At Saint-Gobain Glass, circularity is at the core of our business. Since 2011, we have doubled the recycled content of our products, and we are committed to increasing the proportion of cullet used in the production of our float glass to 40% by 2030.

This goal will be achieved thanks to more than 10 years' experience in recycling initiatives with external partners, such as Saint-Gobain Glass Recycling in France and Germany, Glass Forever in the UK, Climalit® Recicla in Spain, which have enabled us to acquire in-depth knowledge of techniques for recovering high-quality cullet from demolition or renovation projects. The recycled glass generated at our partners' sites is then used in the manufacture of new glass on our float glass production lines.

A first inspiring example of such recycling projects was the **Piraeus Tower** in Greece (see next page).

In this section, are described examples of other recent recycling projects.








GLASS FOREVER

# MINERVA HOUSE

## LONDON, UNITED KINGDOM

The Minerva House refurbishment is a major project to modernize and extend the existing 14,000 $m^2$ office building on the south bank of the River Thames. The project focuses on sustainability and adaptive reuse, with the aim of achieving carbon neutrality, BREEAM Outstanding and WELL Platinum certifications.

29 tonnes of glass from the deconstruction phase were collected, recovered and transported by river barge, saving 20 tonnes of $CO_2$ emissions.

Morrisroe, a leading specialist in demolition and preparatory work in the UK, worked with Saint-Gobain Glass UK as part of the Glass Forever program to integrate an efficient glass recovery model into their workflow. This initiative is helping to improve remanufacturing practices and has a positive impact on the flat glass circular economy.

Paul Moody, Operations Director at Morrisroe, highlighted the significance of the joint project.

*"Minerva House was chosen as the first collaboration because it provided the right amount of glass and challenges around recovery. Situated along the River Thames, the site presented logistical challenges, offering an opportunity for both teams to experiment, develop and implement learnings that can be extrapolated and replicated in future joint projects with confidence."*

# LENDEROTH

## BREMEN, GERMANY









**The Lenderoth Renovation Project** in Bremen is a state-of-the-art façade revitalization project involving the replacement of 370 m² of old façade. End-of-life glass was collected for recycling, and the new façade features **ORAÉ®** glazing and **Wicona** 100% recycled aluminum profiles.

Thanks to the collaboration with **Saint-Gobain Glass** and **Wicona**, the project reduced the facade's carbon footprint by **by 21.6 tonnes.**







# BOLIVAR SCHOOL

## PARIS, FRANCE

As part of the partnership between **Saint-Gobain Glass Recycling** and the **City of Paris, the Bolivar School** renovation project recycled 2.16 tonnes of old glass in just a few months; the resulting cullet was processed and reintroduced into the furnace of the Saint-Gobain Glass float plant in Aniche, France, in order to produce new glass, saving 1.5 tonnes of $CO_2$ emissions and highlighting a commitment to local, sustainable production.

# PIRAEUS TOWER

## PIRAEUS, GREECE

MIXED USE

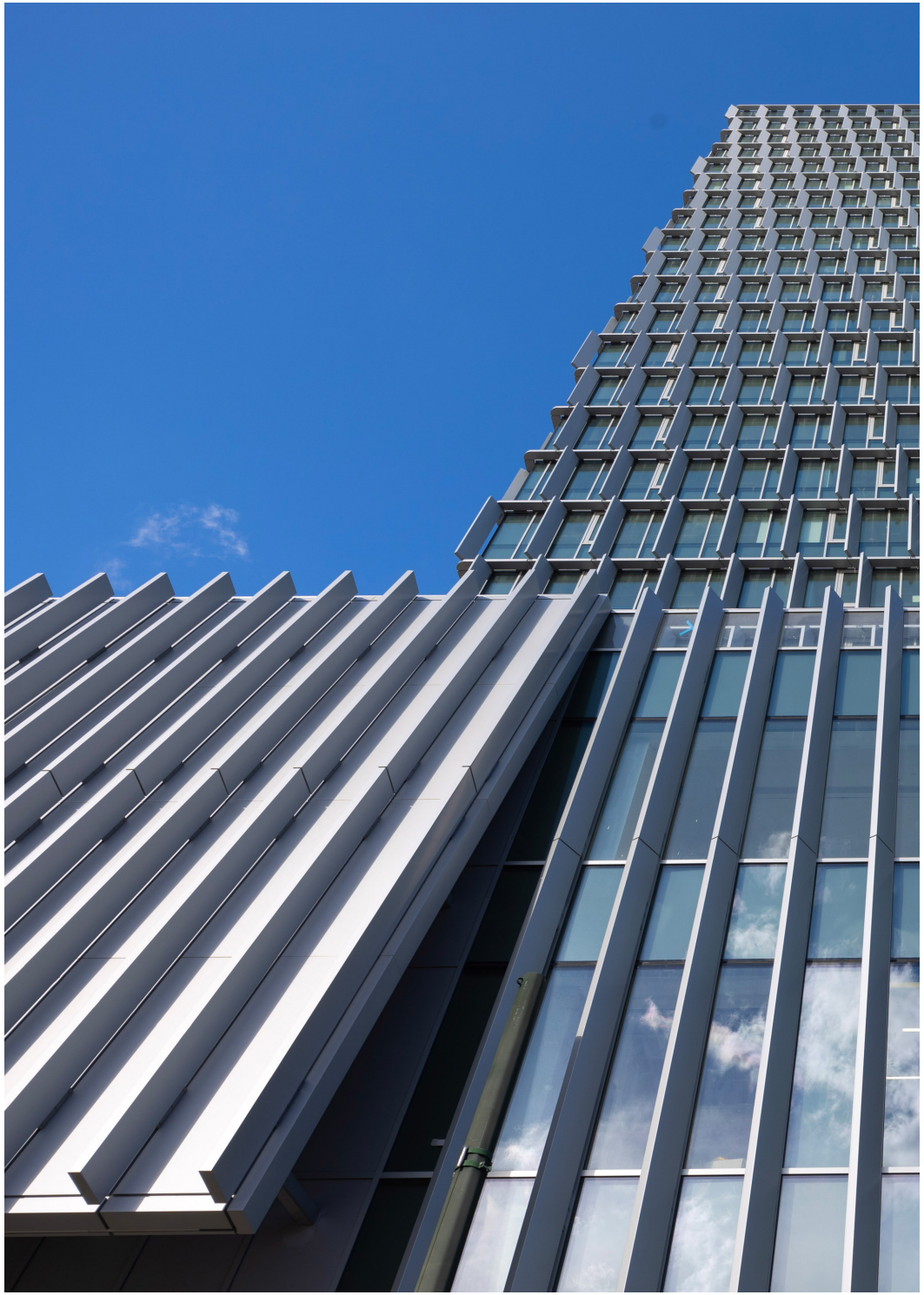
SAINT-GOBAIN GLASS PRODUCT

**COOL-LITE® XTREME 70/33 II DIAMANT®**

| | |
|---|---|
| **Architect** | PILA Studio |
| **Developers** | Dimand, EBRD, Prodea Investments |
| **Façade contractors** | Cimolai, Technikal, Avantech |
| **Façade engineering** | Eckersley O'Callaghan |
| **Glass processors** | Vetrodomus, Crystalla Vasiliou (VasGlass) |
| **General Contractor** | Terna |
| **Photos** | ©Nikos Daniilidis |
| **Labels & Awards** | LEED Platinum, WELL Core™ Program, A++ EPC Rating |




MSC GREECE S.A.
TSAVLIRIS
SALVAGE - TOWAGE
JUST JEANS
ARMY NAVY
ZAKCRET
SPORTS
ANES ferries



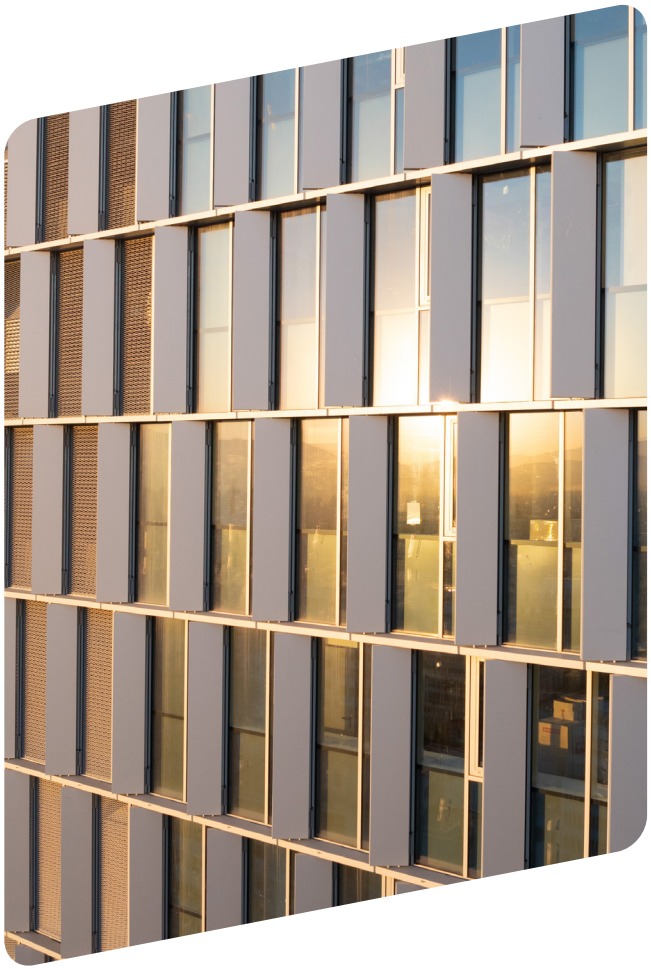


The Piraeus Tower, standing 88 meters tall with 22 floors, has been transformed into Greece's first sustainable high-rise building, revitalizing the heart of one of Europe's largest passenger ports. This mixed-use architectural landmark features offices, retail spaces, a gym and F&B areas, along with breathtaking 360° views of Piraeus and the Athenian Riviera. The project has achieved LEED Platinum certification and WELL Core™ enrollment, prioritizing sustainability and user well-being.

The tower's new façade showcases Saint-Gobain Glass products, including **COOL-LITE® XTREME 70/33 II**, renowned for its outstanding solar control and high light transmission. These advanced glazing units, built on **DIAMANT®** low-iron glass, flood interiors with natural light while minimizing heat gain, reducing energy demands for cooling and lighting.

Additionally, 125 tons of end-of-life glass from the original structure were recycled in Saint-Gobain's Calarasi plant, exemplifying the project's circular economy approach and environmental stewardship.

The Piraeus Tower now stands as a symbol of modernity and sustainability, where innovative materials and thoughtful design create a workspace for over 2,000 people, redefining urban high-rise architecture in Greece. As a symbol of renewal, it serves as the gateway to the Athenian Riviera and a model for future sustainable development.







# BIBLIOTHÈQUE MAISONNEUVE

## MONTREAL, CANADA

CULTURE

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® SKN 076 II**
**COOL-LITE® SKN 176 II**
**DIAMANT®**

| | |
|---|---|
| **Architects** | EVOQ Architecture |
| **Developer** | City of Montreal |
| **Façade contractor** | Unicel Architectural Corp. |
| **Glass processor** | Multiver |
| **General contractor** | Le Groupe Axino Inc. |
| **Photos** | ©Adrien Williams |
| **Labels & Awards** | 2024 Prix d'excellence, Conservation : Architecture, Association canadienne d'experts-conseils en patrimoine (ACECP), 2024 Prix National de Design Urbain, Catégorie Architecture Urbaine, Institut royal d'architecture du Canada (IRAC), 2023 Prix d'Architecture de bibliothèques et de centres d'archives du Québec, Fédération des milieux documentaires |



Video presenting
the project

The Maisonneuve Library, housed in the historic former City Hall of the Maisonneuve district, was built with sustainability at its core, combining modern functionality with heritage preservation. Originally designed in Beaux-Arts style in 1912, the restored building now features two new glass wings, tripling the library's surface area to 3,700 $m^2$.

This transformation has added new spaces including a community room, café, entertainment room for school groups, media lab and rooftop garden, with the project targeting LEED® Gold certification in line with Montreal's sustainability goals.

**COOL-LITE® SKN 176 II**, sourced from Saint-Gobain Glass Mexico, was chosen for its ideal balance of light transmission, solar control, and neutrality.

**COOL-LITE® SKN 076 II**, imported from Saint-Gobain Glass Germany, was selected for a small portion that allows the clearest view possible of the details of the old building from the exterior to the interior, thanks to the extra-clear substrate **DIAMANT®**.

These advanced glazing solutions play a key role in achieving the library's sustainability and performance objectives, reducing energy consumption and meeting Net Zero standards for operational carbon emissions.


BIBLIO
MAISON
NEUVE


ELECTROS RENATA

# PELGULINNA STATE SECONDARY SCHOOL

## TALLINN, ESTONIA

EDUCATION

SAINT-GOBAIN GLASS PRODUCT

**COOL-LITE® XTREME 61/29 II**

| | |
|---|---|
| **Architect** | Arhitekt Must OÜ |
| **Developer** | Riigi Kinnisvara AS |
| **Façade contractor** | Fenster Alumiinium AS |
| **Glass processor** | Glassense AS |
| **General Contractor** | Merko Ehitus Eesti AS |
| **Photos** | ©Tõnu Tunnel |

OTHER SAINT-GOBAIN SOLUTIONS

**ECOPHON** (Ceilings: Master™ SQ, Akusto™ Wall C Texona)

**ISOVER** (Roof, Façade and Floor insulation: OL-TOP, Premium33, RKL Facade, FLO)


PELGULINNA
RIIGIGÜMNAASIUM



Pelgulinna State Secondary School in Tallinn, Estonia, is a model of modern, sustainable school design. It prioritizes student well-being by incorporating natural light, energy efficiency and thermal comfort.

With large glazed façades and a location surrounded by nature, the building creates a welcoming atmosphere while minimizing its environmental footprint. As one of Estonia's largest wooden structures, it combines functionality with sustainable innovation.

At the core of the project is **COOL-LITE® XTREME 61/29 II**, a high-performance solar control glass from Saint-Gobain. It provides abundant natural light while maintaining thermal comfort by reducing overheating, making it ideal for the school's large glazed façades.

This glass combines energy efficiency with very neutral aesthetics, offering low reflectivity and clear views that enhance the learning environment. By limiting the need for air conditioning and reducing heat loss in winter, it ensures comfort and sustainability.

With **COOL-LITE® XTREME 61/29 II**, the school achieves a balance of energy savings, user well-being and sustainable design, setting a new standard in energy-efficient architecture.



Video presenting the project


AstraZeneca
URBAN DELI
FORSKAREN



# FORSKAREN

## STOCKHOLM, SWEDEN

OFFICES

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® XTREME 70/33 II**
**COOL-LITE® XTREME 61/29**
**ECLAZ® LUMI**
**DIAMANT®**

| | |
|---|---|
| **Architect** | 3XN Architects |
| **Developer** | Vectura Fastigheter AB |
| **Façade contractor** | Staticus |
| **Glass processor** | Q4-Glass |
| **General contractor** | Zengun |
| **Photos** | ©Sören Håkanlind |
| **Labels & Awards** | LEED Platinum, WELL Gold, Miljöbyggnad Gold<br>Stockholm Building of the Year 2025 |




Forskaren is a 24,000 m² landmark in Stockholm's Hagastaden district, envisioned as a hub for research, industry and academia. The circular building, with its concentric organization and recessed balconies, promotes collaboration while providing flexible office spaces, co-working areas and laboratories. Its design and materiality align with Swedish building industry standards for sustainable construction.

The façade integrates 2 solar control glass products: **COOL-LITE® XTREME 70/33 II** on floors 2-5 and **COOL-LITE® XTREME 61/29 II** on the top floors, both on **DIAMANT®** extra clear substrate, combining energy performance with aesthetics. The top floor is not shaded and needed therefore stronger solar control glass. The two solar control glass solutions provided the same neutral aesthetics.

Advanced interior metallized shadings simultaneously secures thermal comfort and provide glare control. The properties of the solar control glass allows only daylight to enter through the glass. More than half of this energy is reflected back through the glass.

Forskaren reflects its sustainability ambition with LEED Platinum, WELL v1 Gold, and Miljöbyggnad Gold certifications, and has been named the Stockholm Building of the year 2025. Solar panels covering half of the roof and the stepped façade's natural shading optimize energy use, while Accoya® wood paneling ensures durability. Together, these features demonstrate a harmonious blend of innovation, sustainability and functionality, making Forskaren a symbol of avant-garde architecture.



LIDL

# WANGEN, GERMANY

RETAIL

| | |
|---|---|
| **Architects** | Lidl Immobilien Dienstleistung GmbH & Co. KG, Bad Wimpfen, BreFa Bauunternehmung GmbH, Woringen |
| **Developer** | BreFa Bauunternehmung GmbH, Woringen |
| **Glass processor** | Vandaglas Eckelt and Doering Glass GmbH |
| **General contractor** | Lidl |
| **Photos** | ©Lidl Immobilien |
| **Label & Award** | DGNB platinum |

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® XTREME 50/22 II**
**ORAÉ®**
**SAGEGLASS®**




LIDL
LIDL
LIDL


LIDL

Circular construction techniques and a strong emphasis on reducing $CO_2$ emissions are becoming increasingly important in real estate development. Lidl retailer in Germany is leading the way by adopting sustainable building practices for its new store in Wangen, featuring **ORAÉ®**, the first low-carbon glass by Saint-Gobain.

**ORAÉ®** reduces emissions by 42% compared to Saint-Gobain's European average for clear glass production. This is achieved through a high recycled glass content of 64%. For the store's large showcase windows, **COOL-LITE® XTREME 50/22 II** solar control coating, deposited on **ORAÉ®**, was integrated into the wooden façade.

The building also incorporates timber as a key material, allowing the structure to be assembled in just four weeks and enabling the use of highly efficient insulation. The wooden framework stores approximately 700 tons of $CO_2$ in the roof, façade, walls and ceilings. In additional, the construction avoids composite materials, making it easy to disassemble and recycle all components in the future.

The Lidl store incorporates energy-efficient technology, including waste heat recovery from refrigeration units to heat the building, reducing reliance on fossil fuels and supporting its DGNB Platinum certification target.







# LANDMARK

## TEL-AVIV, ISRAEL

MIXED USE

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® SKN 076 II**
**DIAMANT®**

| | |
|---|---|
| **Architect** | Yashar Architects |
| **Developers** | Melirson, AFI Properties |
| **Façade contractor** | Aluminum Construction |
| **Glass processor** | Cam Yapi |
| **General contractors** | Denia Sibus, Electra Construction Ltd. |
| **Photos** | ©Aviv Pressburger |
| **Labels & Awards** | Best Tall Building, by Region, Middle East & Africa 2025 Award of Excellence, Space Within Award 2025 Award of Excellence by 2025 CTBUH Awards |

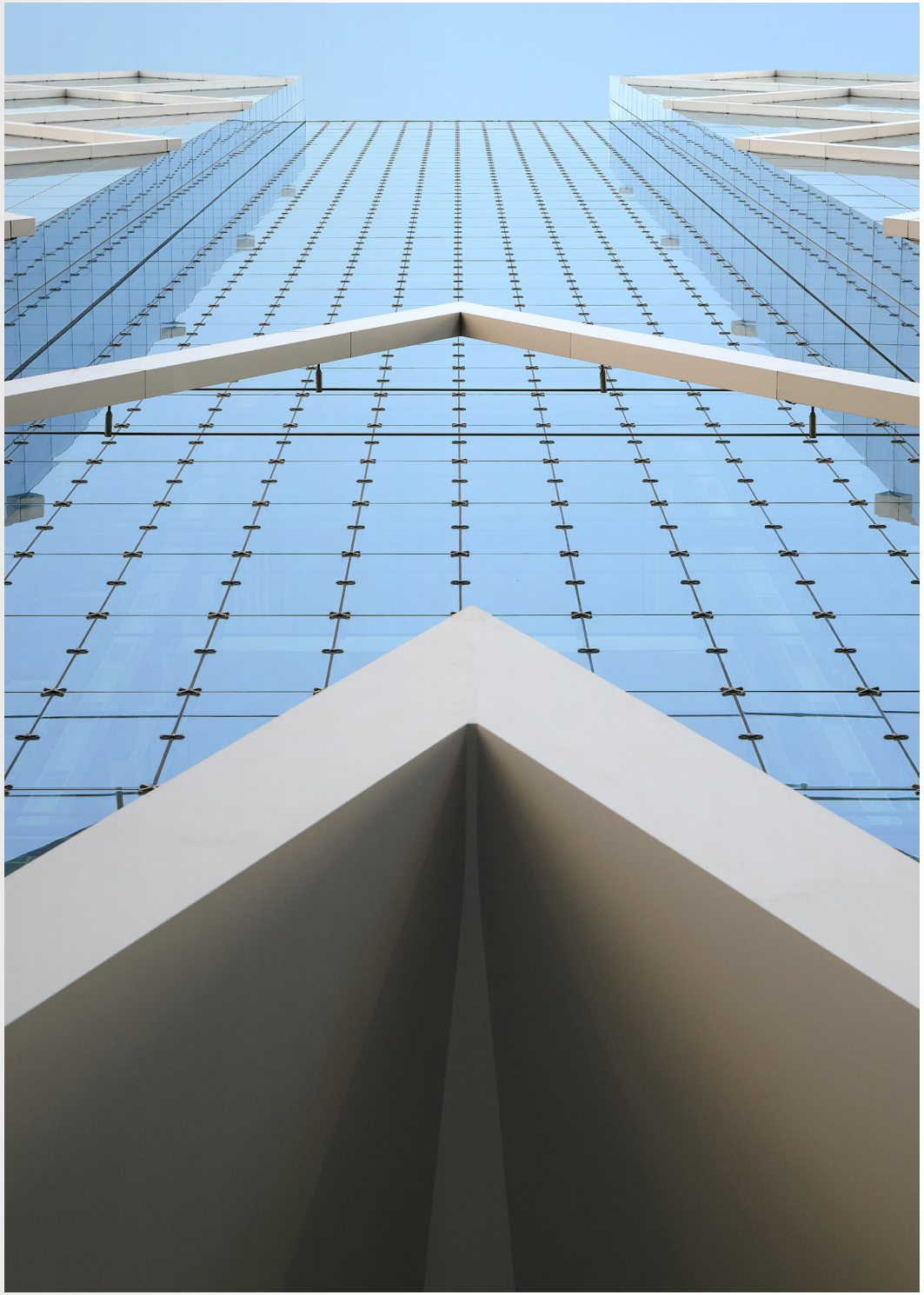


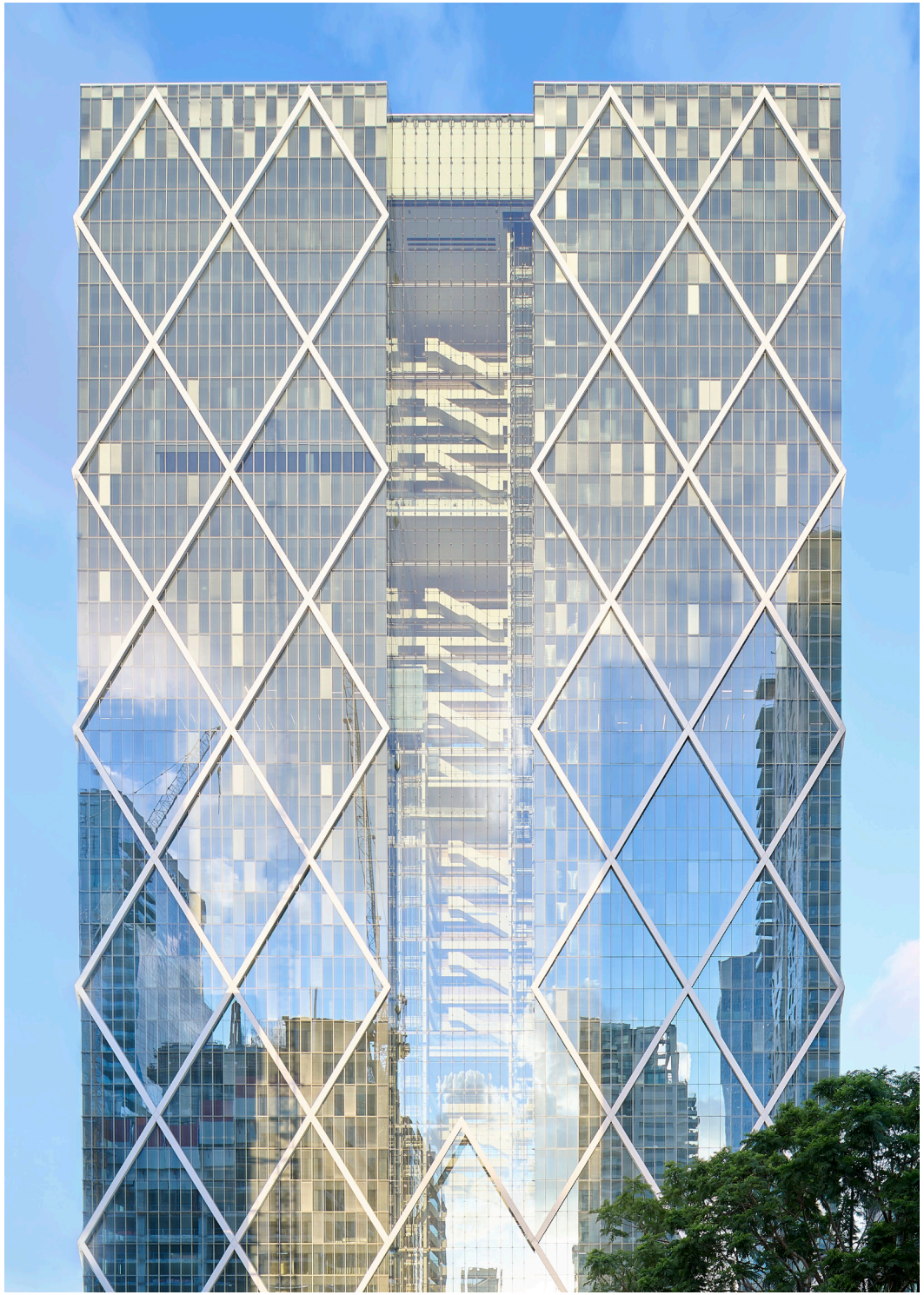
The Landmark project adds two 40-storey towers to Tel Aviv's skyline, creating a vibrant mixed-use complex spanning 166,000 m² above ground. Designed by Yashar Architects, the development provides office space, retail areas, residential apartments, cultural institutions and sports facilities, including a semi-Olympic swimming pool.

Located near Sarona Gardens, the project benefits from excellent accessibility via public transport, cycle paths and the city's main roads, blending seamlessly into Tel Aviv's urban fabric.

For its double skin façade, 107,000 m² of **COOL-LITE® SKN 076 II** glass and 100,000 m² of **DIAMANT®** glass were used, sourced from Saint-Gobain Glass plants in Germany and Romania. **COOL-LITE® SKN 076 II** ensures exceptional solar control and thermal insulation, ideal for Tel Aviv's hot, sunny climate, reducing energy use while maintaining high levels of natural light. The extra-clear **DIAMANT®** glass enhances aesthetics with unmatched transparency, creating a sleek, modern look for the towers.

The choice of this glass not only enhances occupant comfort but also aligns with the project's vision of sustainability and energy efficiency, making it a perfect fit for this iconic development in Tel Aviv.









# THE RUBIK

## CAPE TOWN, SOUTH AFRICA

MIXED USE

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® SKN 176**
**COOL-LITE® KNT 140**
**COOL-LITE® ST 136**

| | |
|---|---|
| **Architect** | dhk Architects |
| **Developer** | Abland Property Developers |
| **Façade contractor** | Façade Solutions |
| **Glass processor** | PG Building Glass Solutions |
| **General contractor** | WBHO |
| **Photos** | ©Sean Gibson |


luno
luno
Southern

The Rubik is a stunning 27-storey mixed-use tower in the center of Cape Town, seamlessly blending luxury apartments, high-end office space and retail areas. Designed by dhk Architects, its bold stacked-cubes design breaks with traditional buildings, giving it a dynamic, contemporary feel. Located on the corner of Loop and Riebeek Streets, the building sits between the city's financial district—where taller structures are encouraged—and the heritage district, characterized by smaller, historic buildings.

Saint-Gobain's glass solutions play a crucial role in enhancing both the sustainability and aesthetics of The Rubik. Glass products like **COOL-LITE® KNT 140** ensures excellent solar protection, while **COOL-LITE® SKN 176** combines high light transmission with low solar gain, thus reducing energy consumption for cooling.

Additionally, **COOL-LITE® ST 136** provides privacy thanks to its slightly reflective appearance, while maintaining optimal levels of natural light. These advanced glazing solutions help create a comfortable, energy-efficient environment, making The Rubik a benchmark for modern urban architecture in South Africa.

Perfectly positioned in one of the world's most captivating cities, The Rubik offers an unrivalled lifestyle and business hub, with easy access to Cape Town's best amenities.



# SAINT-GOBAIN RESEARCH PARIS

## AUBERVILLIERS, FRANCE

RESEARCH CENTER

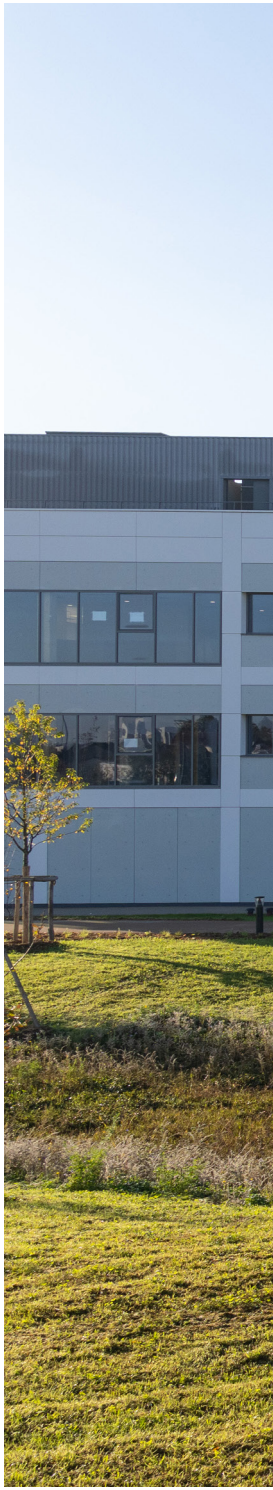
SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® XTREME 70/33 ORAÉ®, ECLAZ® ZEN, SAGEGLASS®, CONTRAFLAM®, LITE-POINT®, DEFENDER**

OTHER SAINT-GOBAIN SOLUTIONS

**ADFORS, CHRYSO, ECOPHON, EUROSCOUSTIC, ISOVER, KAIMANN, PAM, PLACO®, SEVAX, WEBER**

| | |
|---|---|
| **Architect** | ENIA Architectes |
| **Developers** | Saint-Gobain Research Paris and Spie Batignolles Immobilier |
| **Façade contractor** | Druet |
| **Glass processor** | Saint-Gobain Vitrage Bâtiment Coutras, Duttlenheim, Lille |
| **General contractor** | Spie Batignolles Île-de-France |
| **Photos** | ©Joseph Melin |
| **Labels & Awards** | HQE® Bâtiment Durable niveau Excellent, BiodiverCity® |







Covering an area of 6,000 m², the research center has been built with cutting-edge techniques and high-performance materials to guarantee comfort, durability and aesthetic in this space dedicated to research and innovation.

Saint-Gobain Glass is very proud to have contributed to the expansion of Saint-Gobain's first and largest research center, designed for employee well-being and energy-efficient practices, thanks to our **COOL-LITE® XTREME 70/33**, **ECLAZ® ZEN**, and low-carbon glass **ORAÉ®** solutions, which are the very fruit of the Group's research & development.

These products guarantee optimum energy efficiency, superior thermal insulation and reduced carbon impact, perfectly in line with the center's sustainability goals and innovative mission.

**SageGlass® Classic** et **Harmony®** electrochromic glass and **CONTRAFLAM®** fire-resistant glass from **Vetrotech** Saint-Gobain are also among the 100 or so solutions from 16 Saint-Gobain brands selected for this extension, which focuses on thermal, acoustic, and visual comfort, as well as indoor air quality.

This impressive array of innovations reflects the Group's dedication to creating a research environment that embodies the principles of sustainable development and innovation leadership.



# SYGGROU

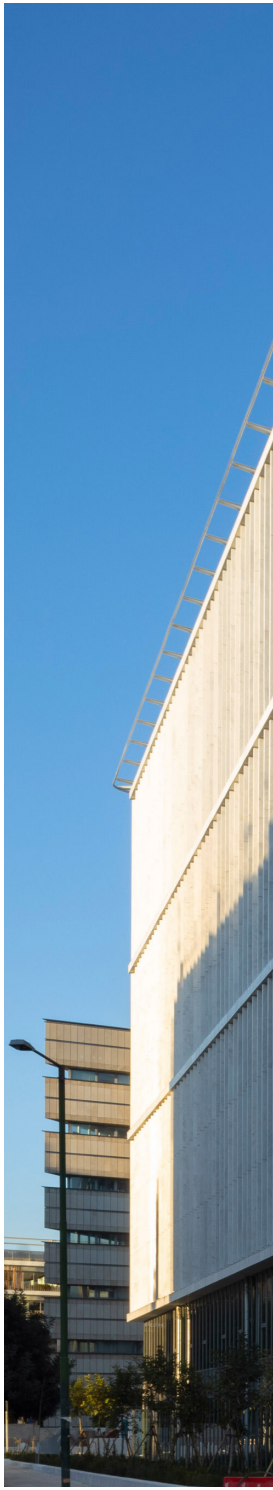
## ATHENS, GREECE

OFFICES

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® SKN 176 II**
**STADIP SILENCE®**

| | |
|---|---|
| **Architects** | Divercity Architects and Bennetts Associates |
| **Developer** | DIMAND S.A. |
| **Façade contractor** | Petroutsos Bros |
| **Glass processors** | CH. Mitrogiannis, I. Tsiamas SA |
| **General contractor** | Ballian Techniki |
| **Photos** | ©Nikos Daniilidis |
| **Labels & Awards** | LEED Platinum 2023 (Building A)<br>LEED Gold (Building B) |










GENERAL

Located on the famous Syggrou Avenue in Athens, Greece, the Syggrou Office Complex comprises two eight-storey buildings spanning 31,000 m². Designed by Divercity Architects and Bennetts Associates for DIMAND S.A., this LEED Platinum and Gold-certified project blends modern design with the Greek capital's rich heritage.

Saint-Gobain's **COOL-LITE® SKN 176 II** glass with **STADIP SILENCE®** was chosen for its ability to block 63% of incoming sunlight while letting in 70% of sun energy, ensuring a bright and pleasant workspace. With a low Ug-value of 1.0 W/m². K, it improves thermal insulation remarkably, saving energy all year round.

Additionally, **STADIP SILENCE®** laminated glass ensures superior acoustic comfort by minimizing noise from the surrounding urban environment, creating the ideal setting for productive work.

The façade design maximizes natural light and offers stunning views of iconic landmarks such as the Acropolis and Mount Lycabettus, reflecting the vibrant energy and luminous climate of Athens. This project sets a new standard for sustainable commercial buildings, demonstrating how innovative materials and thoughtful design can harmonize with local culture and sustainability priorities.



Video presenting the project

# BERNINA7

## MILAN, ITALY

OFFICES

SAINT-GOBAIN GLASS PRODUCT

**COOL-LITE® XTREME 70/33**

OTHER SAINT-GOBAIN SOLUTION

**ISOVER** (mineral wool panel: Arena 34)

| | |
|---|---|
| **Architect** | Il Prisma Architettura |
| **Developer** | Kryalos SGR SPA |
| **Façade contractor** | ISA SPA |
| **Glass processors** | Future Glass SPA, Vetrodomus SPA, Zanatta Vetro SPA |
| **General contractor** | Ricci SPA |
| **Photos** | ©Lorenzo Bartoli - Saint-Gobain Italy |
| **Labels & Awards** | BREEAM Excellent, LEED Platinum |

BREEAM®

U.S. GREEN BUILDING COUNCIL LEED PLATINUM USGBC







Located in the vibrant Scalo Farini district of Milan, the Bernina7 project redefines modern office spaces while spearheading the area's ambitious urban regeneration. Designed by Il Prisma, this innovative building aligns with the city's future vision, combining functionality, sustainability and architectural brilliance.

A standout feature of the project is its high-performance curtain walls featuring Saint-Gobain's **COOL-LITE® XTREME 70/33** glass solution. These glass panels ensure exceptional selectivity, providing a remarkable balance between natural light and solar protection. With 70% light transmission, the glass floods interiors with daylight, reducing the need for artificial lighting while simultaneously blocking two-thirds of solar heat.

This dual advantage enhances thermal comfort year-round—minimizing overheating in summer and retaining warmth in winter—making it a key contributor to the building's LEED certification.

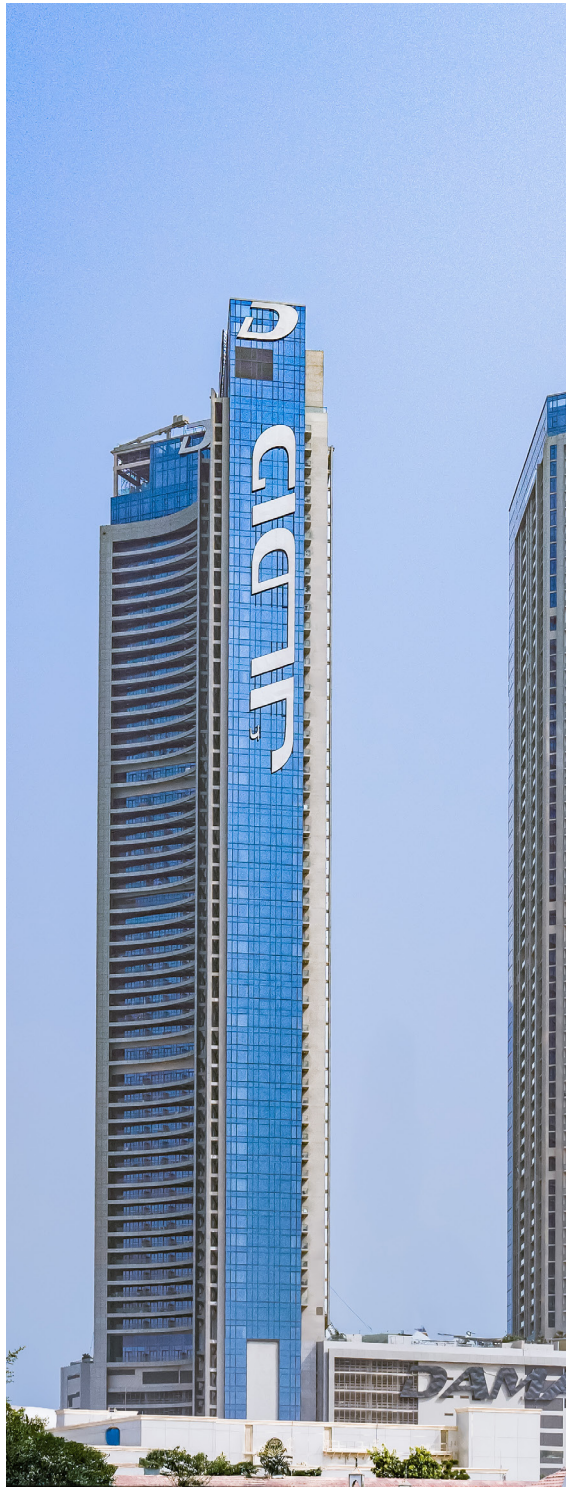
In addition to thermal efficiency, **COOL-LITE® XTREME 70/33** supports the project's "Open Landscape" concept by fostering transparency and visual connectivity between indoor spaces and the surrounding environment.

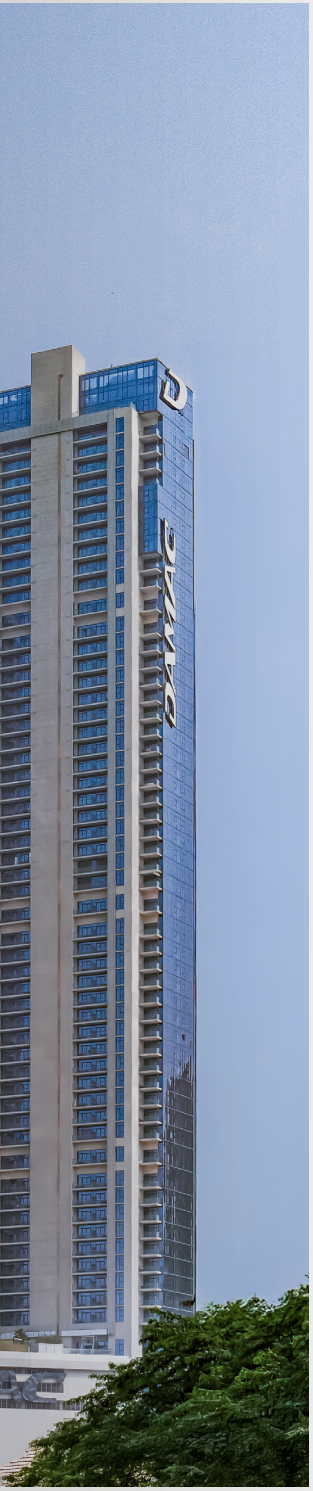
Complementing the glass façades, Isover solutions provide superior thermal and acoustic insulation, ensuring a quiet, comfortable workspace. Together, these advanced materials demonstrate Saint-Gobain's expertise in sustainable construction and cutting-edge design.

Bernina7 is more than an office building; it symbolizes Milan's dedication to innovation, sustainability and the city's vision for a more sustainable future under the Milan 2030 plan.




AMAC





# AYKON CITY

## DUBAI, UNITED ARAB EMIRATES

MIXED USE

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® KBT 130**
**COOL-LITE® STB 120**

| | |
|---|---|
| **Architects** | Handel Architects, LACASA Architects & Engineering Consultants, KEO International Consultants |
| **Developer** | DAMAC Properties |
| **Glass processor** | Technical Glass & Aluminium |
| **General contractor** | China State Construction Engineering Corporation |
| **Photos** | ©Abhijit SM |



Aykon City is a prestigious real estate development by DAMAC Properties in the heart of Dubai. This large-scale project spans 600,000 $m^2$ and consists of four dynamic towers rising above a landscaped podium, which includes shared amenities, swimming pools, and parking facilities.

The mixed-use complex encompasses luxury residences, apartments, hotels, and office spaces. Tower A houses a five-star hotel and serviced residences, Tower B features elegant apartments, while Towers C and D are dedicated to residential and office use. The sculpted, flowing architecture of Aykon City creates an iconic landmark along Sheikh Zayed Road.

Aykon City incorporates high-efficiency HVAC systems, low-energy lighting, and an intelligent Building Management System. The use of Saint-Gobain Glass products for the façade enhances energy performance while delivering a modern, luxurious aesthetic, with blue tones, and adequately illuminated spaces that improve occupant comfort. Additionally, the integration of **COOL-LITE® KBT 130** and **COOL-LITE® STB 120** glazing significantly reduces the building's operational carbon footprint.


DAMAC



# TOUR DU PORT DE MONTRÉAL

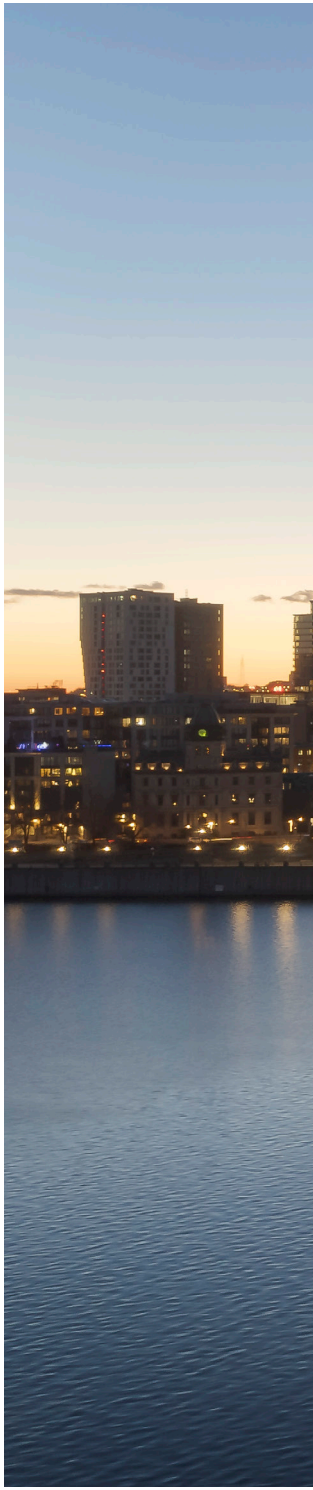
## MONTREAL, CANADA

LEISURE

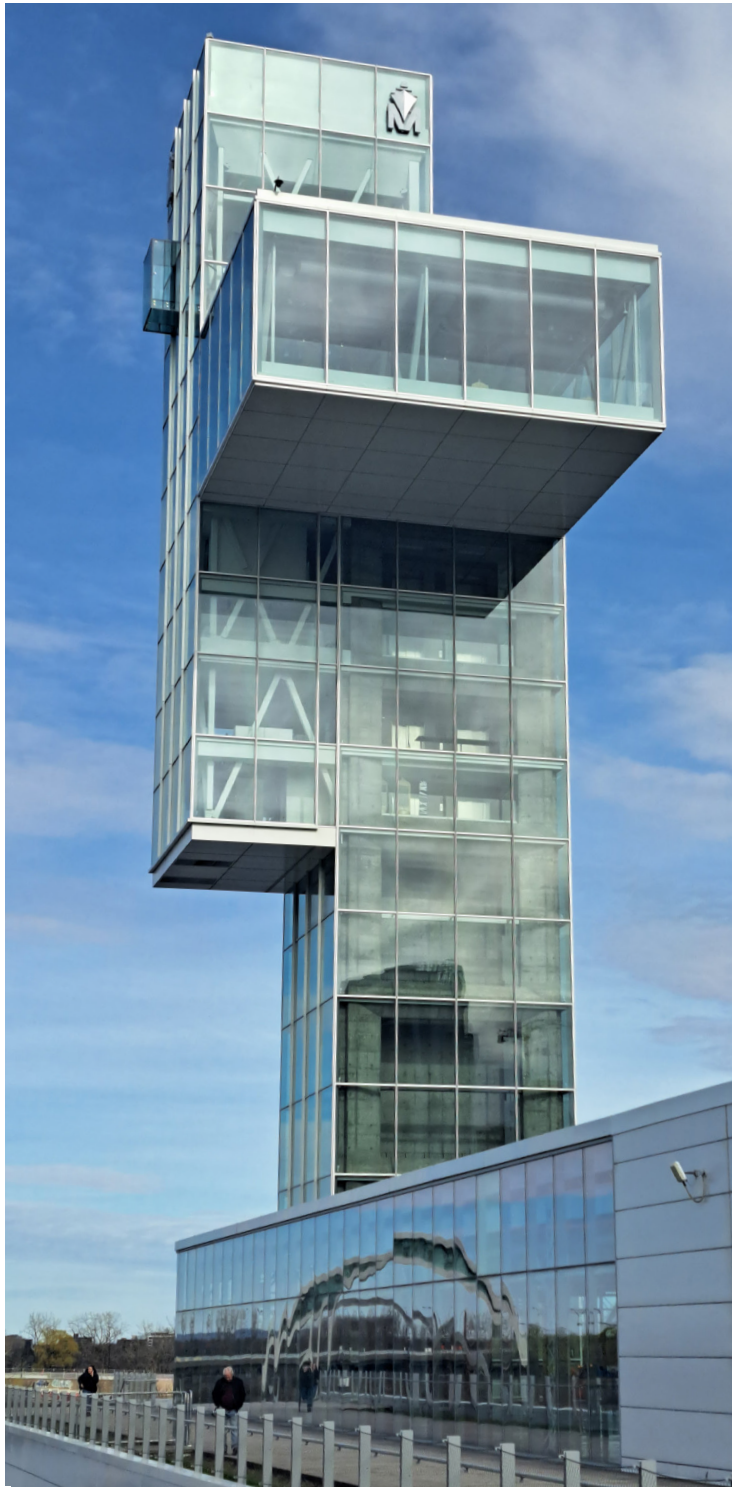
SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® XTREME 70/33 II DIAMANT®**

| | |
|---|---|
| **Architect** | Provencher Roy |
| **Developer** | Port de Montréal \| Port of Montreal |
| **Façade contractor** | Vitreco |
| **Glass processor** | Agnora |
| **General contractor** | Pomerleau |
| **Photos** | ©James Brittain, ©Damien Ligliardi |
| **Labels & Awards** | 2024 Grand Prix International – Architecture – Grands Prix du Design, 2024 International Architecture Award, Bridges and Infrastructures category, Chicago Athenaeum Museum of Architecture and Design, 2024 Prix d'excellence en architecture, Ordre des architectes du Québec |









Rising 65 meters above the Saint Lawrence River, the Tour du Port in Montreal is a striking glass landmark offering breathtaking panoramic views of the river, of Mount Royal, and the city skyline. As part of the Grand Quay redevelopment, it features a glass observation deck and blends harmoniously with its surrounding urban and waterfront environment.

The Tour du Port's façade and flooring systems showcase cutting-edge glazing technology from Saint-Gobain Glass, ensuring both aesthetic brilliance and superior performance.

The façade features a curtain wall system with laminated double-glazed units, incorporating **COOL-LITE® XTREME 70/33 II** on **DIAMANT®** for exceptional solar control and high transparency. This advanced glass reduces solar heat gain while allowing abundant natural light, enhancing energy efficiency and occupant comfort.

The flooring system mirrors this innovation, integrating 12 mm **DIAMANT®** glass for unparalleled clarity and structural integrity, assembled with SentryGlass interlayer for additional safety. Together, these solutions highlight Saint-Gobain Glass's commitment to creating spaces that combine visual elegance with cutting-edge functionality.

As an emblem of Montreal, the Tour du Port embodies the city's vision for sustainable, forward-thinking design while honoring its rich maritime history. The structure not only serves as a striking landmark but also enhances public access to the waterfront, offering a unique blend of culture, architecture and natural beauty.



Video presenting the project


Design | Concepte | Proiecte | Fi
PORCELANOSA
formmat
LAUFEN




# ONE COTROCENI PARK

## BUCHAREST, ROMANIA

MIXED USE

SAINT-GOBAIN GLASS PRODUCT

**COOL-LITE® SKN 154 II**

OTHER SAINT-GOBAIN SOLUTIONS

**ISOVER** (Akusto)

**RIGIPS®** (partition walls and ceilings: HABITO®, AQUAROC®, RF, Gyptone®)

| | |
|---|---|
| **Architect** | X Architecture & Engineering |
| **Façade contractor** | Alusystem |
| **Glass processor** | Cristal Brad Service |
| **Investor** | One United Properties |
| **Photos** | ©Saint-Gobain |
| **Labels & Awards** | LEED v4 Platinum, WELL, Green Homes |



One Cotroceni Park is one of the most prominent urban regeneration projects in central Bucharest, designed to foster a dynamic community where people can live, work and interact seamlessly in the center of Bucharest.

Covering 5.8 ha, the development includes about 15,000 $m^2$ of commercial space and 900 high-end residential units. The complex offers a variety of amenities, including green spaces, a swimming pool, restaurants, cafes, bars, shops, a pharmacy, modern office spaces, upscale residential apartments and educational facilities.

The residential area features three levels of underground parking, commercial space on the ground floor, small office units on the first floor, garden apartments on the second and contemporary penthouses on the upper levels.

Using **COOL-LITE®** solar control and **STADIP® PROTECT** safety laminated glass, the project offers all users a high level of safety and comfort on all floors. In particular, **COOL-LITE® SKN 154 II**, by blocking up to 72% of solar energy while letting in a high level of natural light, ensures a bright and comfortable interior environment in both workplaces and living spaces.

This project showcases sustainable innovation, improving energy efficiency by reducing reliance on air conditioning in summer, enhancing thermal insulation in winter, and contributing significantly to the development's overall sustainability.



# MARIA WARD SCHOOL

## NUREMBERG, GERMANY

EDUCATION

SAINT-GOBAIN GLASS PRODUCTS

**CONTRAFLAM® Wall**
**CONTRAFLAM® Structure**
**COOL-LITE® SKN 176 II**

| | |
|---|---|
| **Architect** | H2M Architekten + Stadtplaner GmbH, Kulmbach |
| **Façade contractor** | Schindler Fenster + Fassaden GmbH |
| **Glass processors** | Vandaglas Eckelt GmbH (façade)<br>Vetrotech Saint-Gobain (glass partitions) |
| **General contractor** | Erzdiözese Bamberg KdöR |
| **Photos** | ©Ralf Dieter Bischoff, ©Christoph Seelbach |






OGTS
MENSA
MEDIATHEK
VERWALTUNG



The Maria Ward School in Nuremberg, named after Maria Ward, an English pioneer in women's education, is a state-recognized private institution. Originally built in 1961, the outdated building was replaced in 2022 with a modern structure designed by H2M Architekten.

The new facility spans over 22,000 $m^2$ and includes 70 classrooms, a rooftop terrace, a triple gymnasium and open learning spaces.

The façade windows feature **COOL-LITE® SKN 176 II** glass solution, which offers high light transmission (70%), excellent solar control (g = 0.37) and outstanding thermal insulation (Ug = 1.0 $W/m^2K$). These properties reduce the need for heating in winter, cooling in summer and artificial lighting, achieving significant energy savings.

This advanced glass solution enhances the building's energy efficiency while creating a bright and comfortable environment ideal for learning, free from excess heat and glare.

The glass partition wall system from Vetrotech Saint-Gobain integrates almost seamlessly into the spacious architecture, creating light-flooded rooms while ensuring reliable fire protection. A total of over 1,000 $m^2$ of fire-resistant glass was installed, designed as butt-joint glazing to maintain a clean and open visual aesthetic.

By incorporating cutting-edge glazing solutions and sustainable design, the new Maria Ward School showcases the future of school architecture. The project also stands out for reusing demolition materials from the original building in the new concrete façade, highlighting a commitment to resource efficiency.




aurora
INNOVATION
white
RAMBOLL
Skatteverket
Arena Magasin X
Vasakronan
CAFÉ



# MAGASIN X

## UPPSALA, SWEDEN

OFFICES

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® XTREME 70/33**
**COOL-LITE® XTREME 50/22 II**
**ECLAZ® LUMI**

| | |
|---|---|
| **Architect** | White Arkitekter |
| **Developer** | Vasakronan i Uppsala AB |
| **Façade contractor** | Fasadglas Bäcklin AB |
| **Glass processor** | Glassense, Press Glass |
| **General Contractor** | NCC |
| **Photos** | ©Sören Håkanlind |
| **Label & Award** | LEED Platinum |

Magasin X in Uppsala is Sweden's largest all-wood office building, setting a new benchmark for sustainable design and construction. The 13,000 $m^2$ project combines innovative timber architecture with cutting-edge energy solutions and has been awarded the prestigious LEED Platinum certification.

On the north facing façades, the large-size triple glass units combining **COOL-LITE® XTREME 70/33** and **ECLAZ® LUMI** provide excellent views to outside and light without heat. The near 100% glazing proves that façades can be fully glazed even in a cold climate.

Façades facing south are triple-glazed up to 60% to prevent overheating, with a static solution on the Southeast façade using **COOL-LITE® XTREME 50/22 II** and **ECLAZ® LUMI**, and a dynamic solution on the Southwest façade thanks to an inside shading device complementing the **COOL-LITE® XTREME 70/33**. This glass blocks almost all infrared radiation from the sun while maximizing daylight. The metallized coating on the outer side of the textile provides complete opacity for the yarn and reflects the daylight energy back through the glass. The Kvadrat screen optimizes energy reflection and glare control with preserved views to outside thanks to its dark interior color.

Recognized with multiple awards, this project stands as a testament to modern sustainable building practices.





# CORTEZZA LAS PALMAS

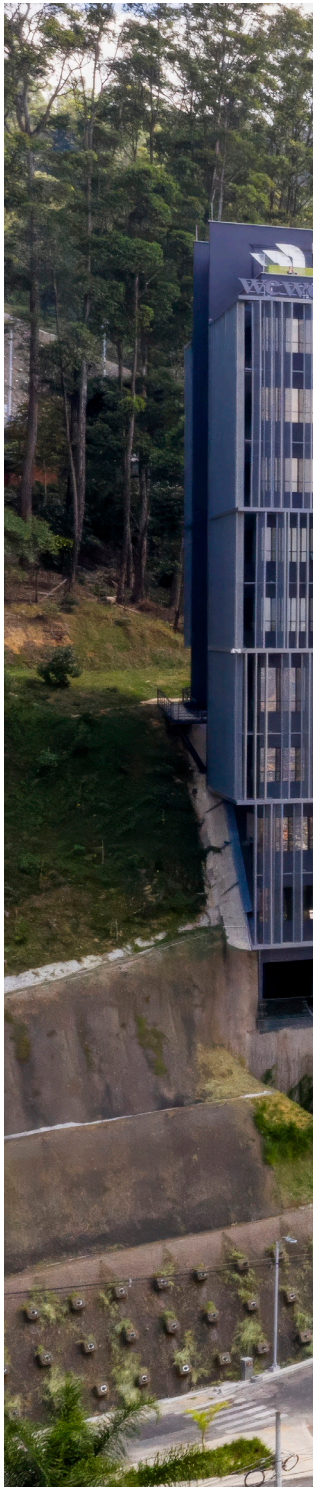
## MEDELLIN, COLOMBIA

OFFICES & RETAIL

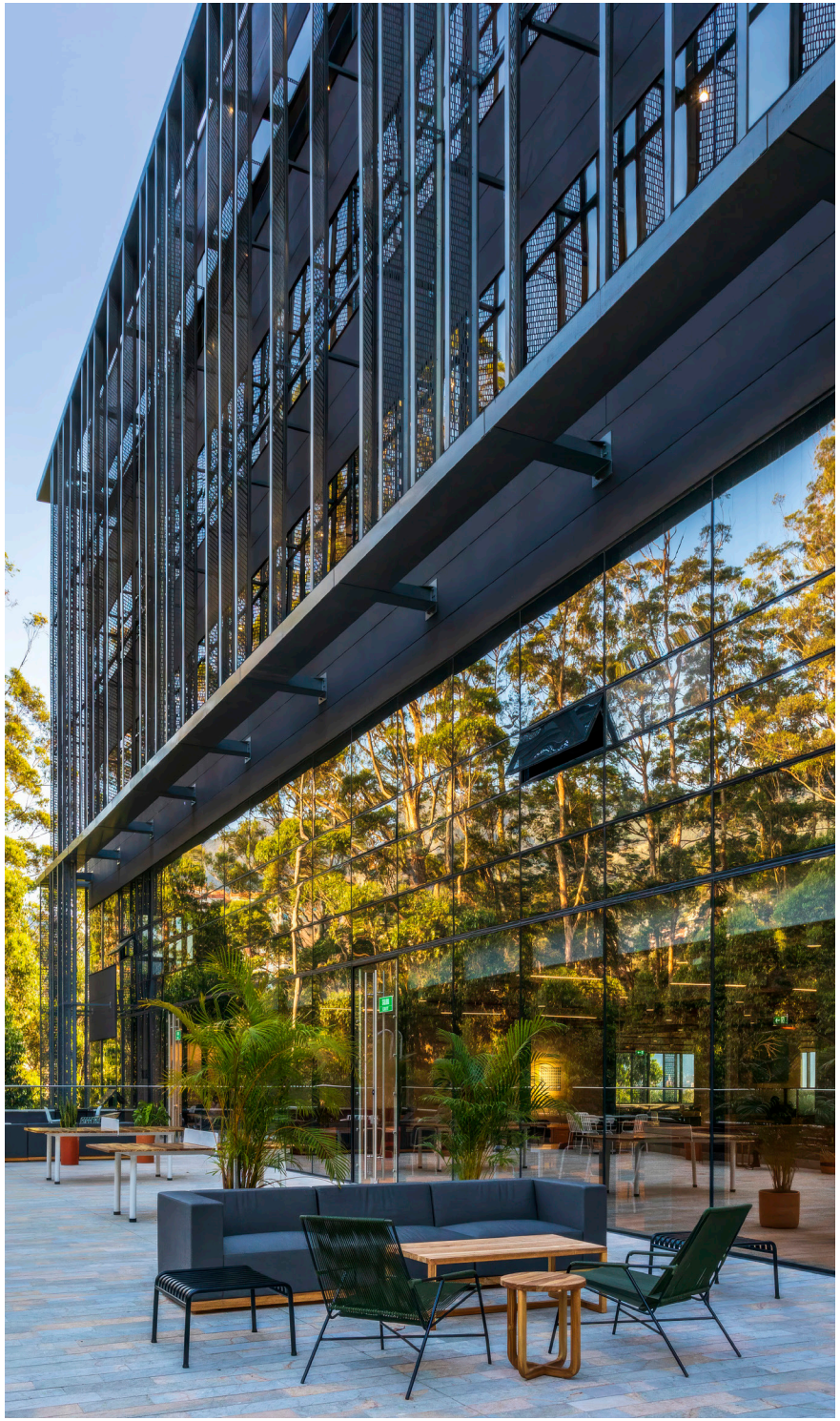
SAINT-GOBAIN GLASS PRODUCT

**COOL-LITE® KNT 140**

| | |
|---|---|
| **Architect** | Sergio Gallon Villegas |
| **Façade contractor** | ESW |
| **Glass processor** | Tecnoglass |
| **General contractor** | Terranum |
| **Photos** | ©Vidrio Andino |
| **Label & Award** | LEED Gold |









Located in Medellín, Colombia, Cortezza Las Palmas blends urban convenience with natural serenity. Designed by Sergio Gallon Villegas and built by Terranum, this LEED GOLD-certified project features 6,800 $m^2$ of modern office and retail space, with a strong emphasis on sustainability and comfort.

The building's façade is fitted with **COOL-LITE® KNT 140** glass, chosen for its solar control function and neutral aesthetics, while the processing of the glass was done using **PLANILUX®** glass. This high-performance glass, tempered and assembled into insulated glazing units, reduces solar heat gain in Medellin's tropical climate, optimizing indoor comfort while minimizing cooling demands. Its high level of light transmission ensures bright, naturally lit spaces, reducing the need for artificial lighting and creating a welcoming environment.

Combining energy efficiency, visual comfort and aesthetics, **COOL-LITE® KNT 140** reflects Cortezza Las Palmas' commitment to sustainable design, setting a new benchmark for sustainable architecture in the region.



# PLATINUM

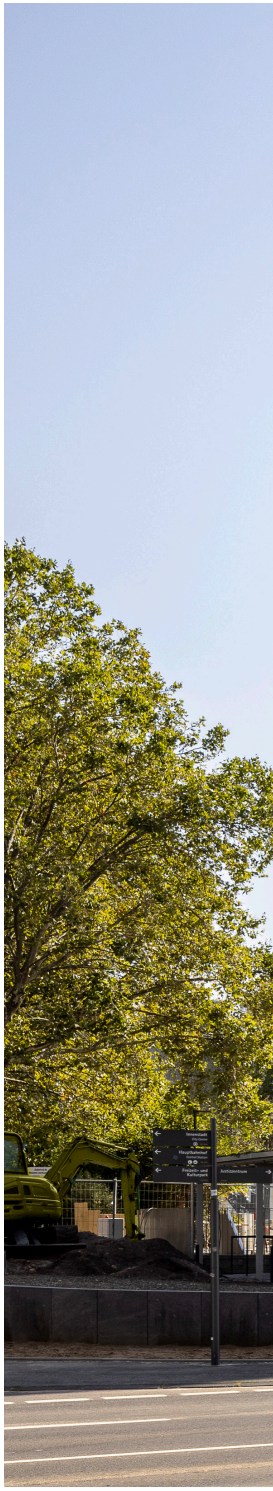
## WIESBADEN, GERMANY

OFFICES

SAINT-GOBAIN GLASS PRODUCTS

**COOL-LITE® SKN 183**
**STADIP SILENCE®**
**SWISSPACER® Advance**

| | |
|---|---|
| **Architect** | Neumann Architekten GmbH |
| **Developer** | OFB Projektentwicklung GmbH |
| **Façade contractor** | Ebener GmbH Innovative Fassaden |
| **Glass processor** | Glas Herzog |
| **General contractor** | Ed. Züblin AG |
| **Photos** | ©Jörg Hempel |




HESSEN



Platinum, located in Wiesbaden, is a benchmark for sustainable public-sector office buildings. Designed by Neumann Architekten GmbH, this timber-hybrid structure is the first of its kind in Wiesbaden, combining $CO_2$-saving construction methods with recyclable materials such as wood, aluminum and glass. The building incorporates a groundbreaking energy concept where it generates more renewable energy annually than it consumes, thanks to an ice storage system for heating and cooling and 1,300 $m^2$ of solar modules on its façade and roof.

The façade features **COOL-LITE® SKN 183** glass, ensuring extremely high light transmission combined with excellent solar control, thus reducing air-conditioning requirements while maximizing natural light. **PLANITHERM® XN** guarantees outstanding thermal insulation for optimal energy efficiency, and **STADIP SILENCE®** laminated glass enhances acoustic comfort, critical for the office environment.

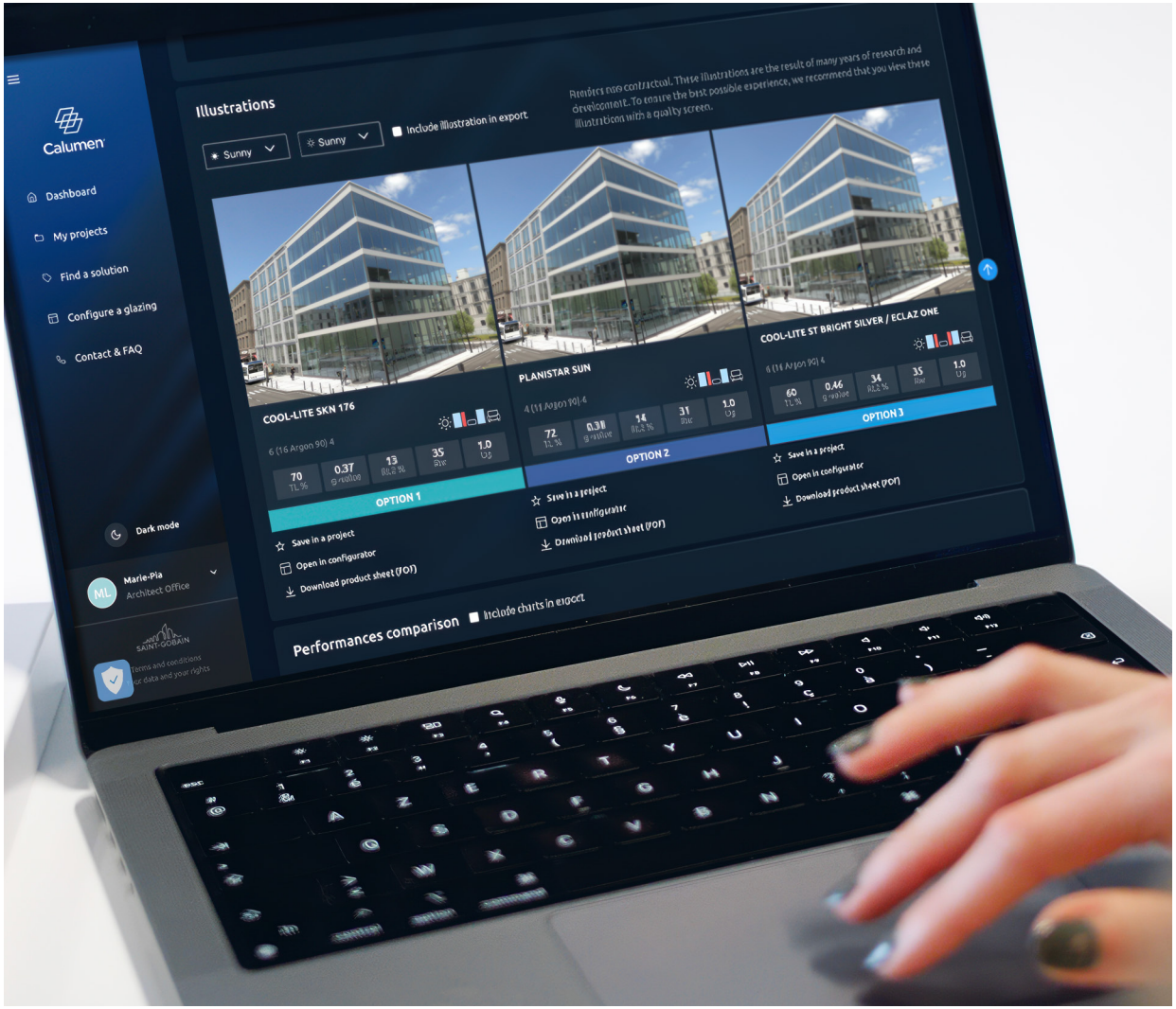
For optimal thermal insulation and refined aesthetics, the triple-glazing units incorporate the warm-edge spacer **SWISSPACER® Advance**, delivering superior edge insulation and effectively preventing thermal bridges. Together, these materials contribute to both environmental and occupant well-being.

The project demonstrates innovation in all areas: its modular construction emphasizes recyclability, ensuring that materials such as glass and aluminum can be reused or repurposed at the end of the building's life cycle. As a flagship project, Platinum exemplifies modern sustainable design, combining cutting-edge technology with sustainable practices.



*"We often have orders for large façade glazing, but this was the first time we used COOL-LITE SKN 183. Top thermal insulation, protective fall protection and efficient sound insulation - that's exactly what we want to sell. It's a pleasure to be able to use the high-quality glass with its top properties, especially in such an ambitious project.*

**Andreas Herzog**
Managing Director at Glas Herzog GmbH


Calumen
Dashboard
My projects
Find a solution
Configure a glazing
Contact & FAQ
Dark mode
Marie-Pia
Architect Office
SAINT-GOBAIN
Illustrations
Sunny
Sunny
Include illustration in export
Renders non contractual. These illustrations are the result of many years of research and development. To ensure the best possible experience, we recommend that you view these illustrations with a quality screen.
COOL-LITE SKN 176
6 (16 Argon 90) 4
70
0.37
13
35
1.0
OPTION 1
Save in a project
Open in configurator
Download product sheet (PDF)
PLANISTAR SUN
4 (16 Argon 90) 4
72
0.31
14
31
1.0
OPTION 2
Save in a project
Open in configurator
Download product sheet (PDF)
COOL-LITE ST BRIGHT SILVER / ECLAZ ONE
6 (16 Argon 90) 4
60
0.46
34
35
1.0
OPTION 3
Save in a project
Open in configurator
Download product sheet (PDF)
Performances comparison
Include charts in export

# THE TECHNICAL NOTEBOOK

## PRODUCTS, SERVICES AND CUSTOMER SUPPORT AT A GLANCE

In addition to highlighting our most recent project references, this technical notebook provides a summary of Saint-Gobain Glass's product and service offerings for façade applications.

Saint-Gobain Glass supports all stakeholders in the construction sector in their glass façade projects, from the most ambitious to the most modest, all over the world.

The product offering includes a complete range of energy-efficient, low-carbon, safety, fire-resistant and smart glass, designed to meet the requirements of sustainable, comfortable, low-energy buildings, certified of course by official bodies.

Drawing on recognized glass expertise, an innovation-focused approach and cutting-edge industrial technologies, our solutions are developed to adapt to the needs and local regulations of different regions worldwide, guaranteeing comfort, performance and aesthetics.

Our local specification, marketing and sales teams provide advice to architects, engineers, façade specialists and processors on product selection and technical aspects such as optical and energy characteristics, thermal stress analysis and acoustics. Our state-of-the-art online digital tools now make it possible to compare different glazing solutions in terms of performance, design and environmental impact, and to obtain high-definition virtual renderings to visualize the appearance of our partners' future projects.

And of course, all useful information is just a click away on our various digital services!

## GLASS SUBSTRATES

**PLANICLEAR® / PLANILUX®**
High quality clear glass that generously transmits daylight

**DIAMANT®**
Highly transparent extra-clear glass providing extreme transparency and color neutrality

**PARSOL®**
Body-tinted glass for colorful transparency in several tints

ORAÉ

First low-carbon glass on the market with exceptionally low carbon footprint, thanks to high recycled glass content

## SOLAR CONTROL COATINGS

**COOL-LITE®**
High performance solar control glass products range for energy efficient façades and thermal / visual comfort of the building's occupants

- **COOL-LITE® XTREME**
  Extremely selective solar control glass
- **COOL-LITE® SKN**
  Highly selective solar control glass
- **COOL-LITE® K**
  Selective solar control glass
- **COOL-LITE® ST & ET**
  Solar control glass with full flexibility for processing

**REFLECTASOL® / SOL-LITE®**
Online reflective solar control glass offered outside of Europe in several shades

# THE SAINT-GOBAIN GLASS PRODUCT AND SERVICE OFFER FOR FAÇADES

## COMPLEMENTARY GLASS PRODUCTS

**PLANITHERM® & ECLAZ® LUMI**
Low-e glass for insulating glazing units in complement to solar control glass, to significantly reduce heat loss to the exterior

**STADIP SILENCE®**
Noise reduction laminated glass for acoustic insulation

**VISION-LITE®**
Anti-reflective glass, especially for shop front projects, where light reflection on glass should not block the vision

**BIOCLEAN®**
Easy-maintenance glass reducing the need of cleaning and the occurrence of external condensation

## SERVICES AND SPECIALITIES

**OVERLENGTH**
Large scale range of raw and coated glass panes up to 18 x 3.21 m

**EASYPRO®**
Temporary surface protection for to-be-tempered coated glass

4BIRD®

Series of prpducts combining COOL-LITE® solar control glass and visible pattern by birds to help protecting wildlife

## DIGITAL SERVICES

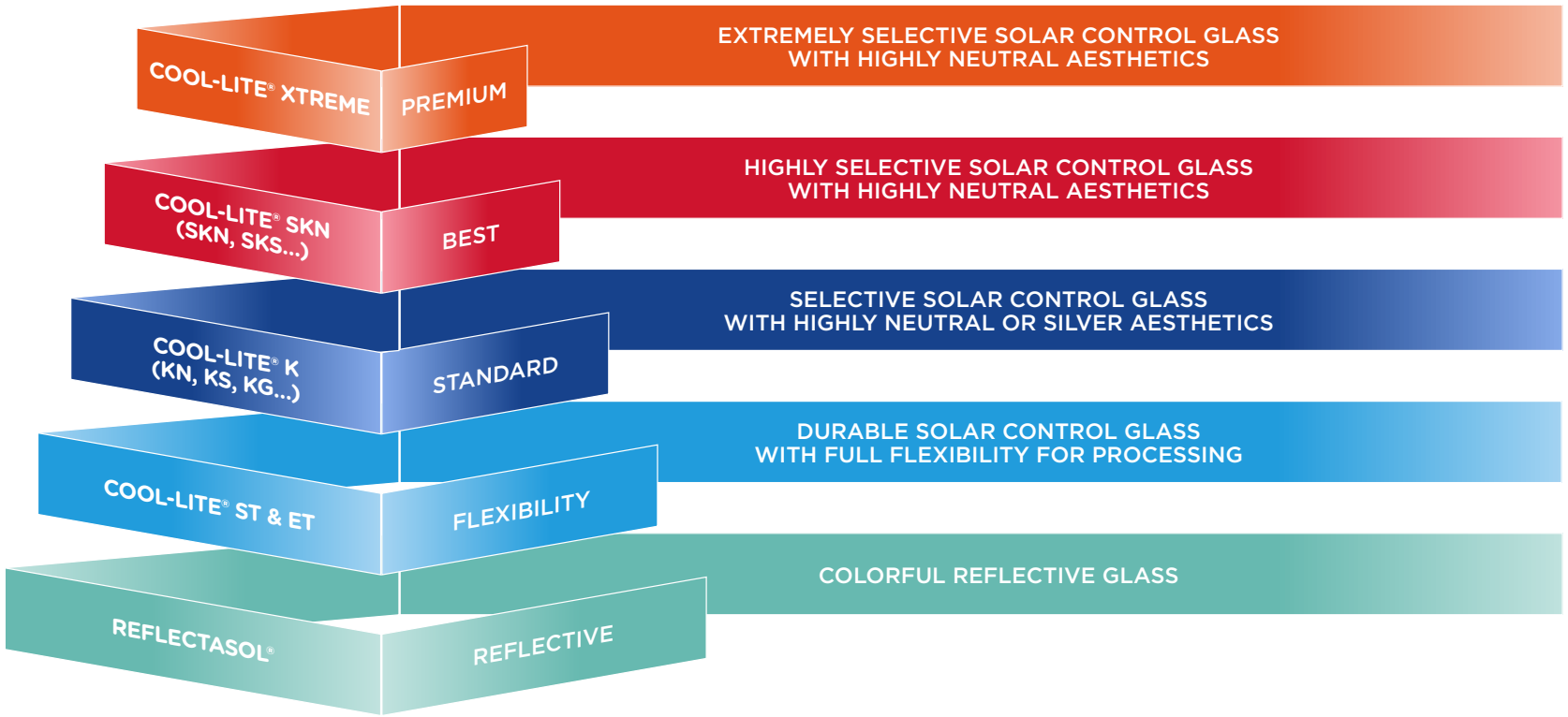
Calumen®

All-in-one glazing configurator designed for all building professionals

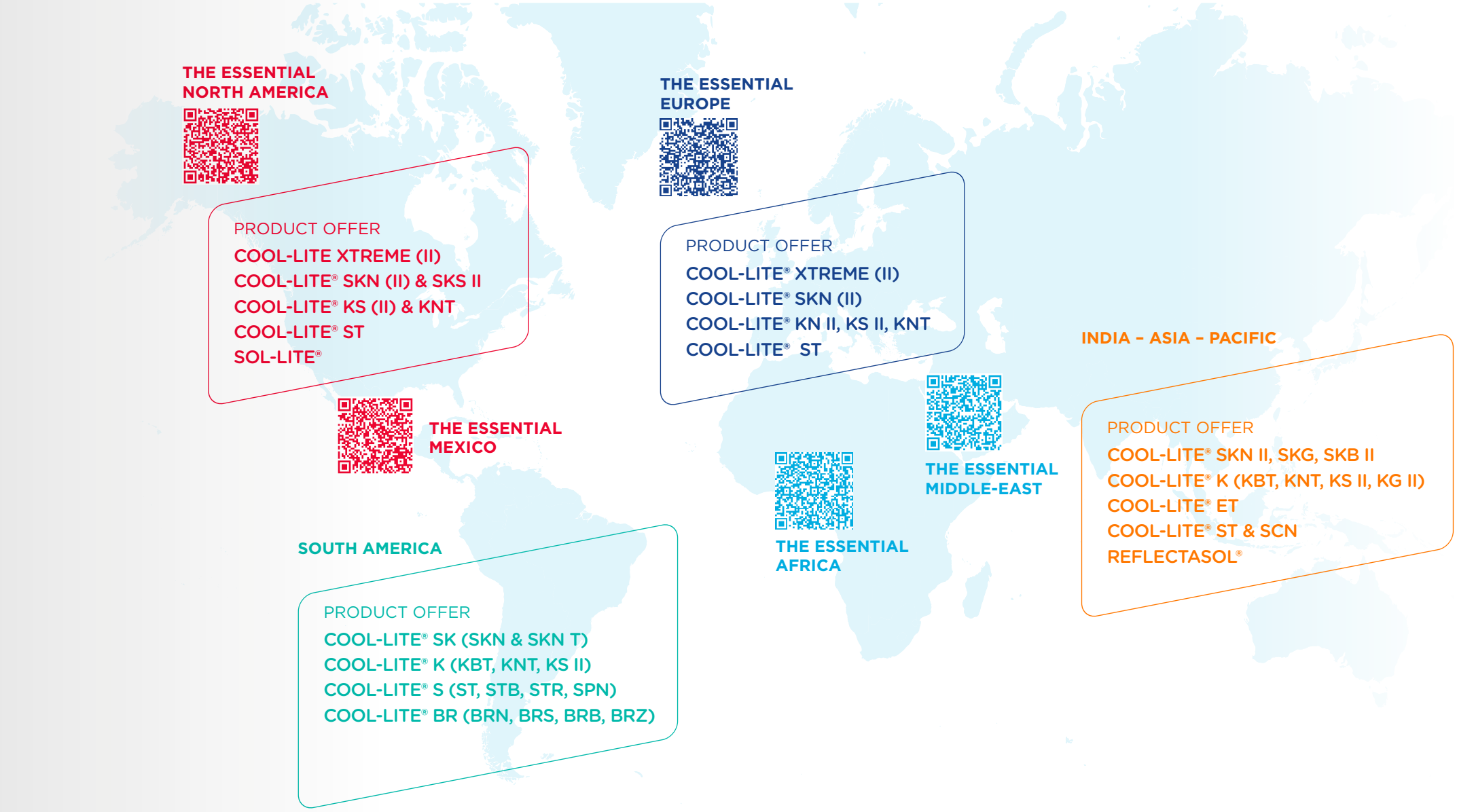
GlassPro

Accurate predictive physico-realistic rendering to choose and compare the aesthetics of Saint-Gobain Glass products for façades

# OUR WORLDWIDE SOLAR CONTROL GLASS RANGE FOR FAÇADES **– PER PRODUCT TYPE**



# OUR WORLDWIDE SOLAR CONTROL GLASS RANGE FOR FAÇADES **- PER REGION**



## THE ESSENTIAL NORTH AMERICA

PRODUCT OFFER

- COOL-LITE XTREME (II)
- COOL-LITE® SKN (II) & SKS II
- COOL-LITE® KS (II) & KNT
- COOL-LITE® ST
- SOL-LITE®

## THE ESSENTIAL MEXICO

## THE ESSENTIAL EUROPE

PRODUCT OFFER

- COOL-LITE® XTREME (II)
- COOL-LITE® SKN (II)
- COOL-LITE® KN II, KS II, KNT
- COOL-LITE® ST

## THE ESSENTIAL MIDDLE-EAST

## THE ESSENTIAL AFRICA

## INDIA – ASIA – PACIFIC

PRODUCT OFFER

- COOL-LITE® SKN II, SKG, SKB II
- COOL-LITE® K (KBT, KNT, KS II, KG II)
- COOL-LITE® ET
- COOL-LITE® ST & SCN
- REFLECTASOL®

## SOUTH AMERICA

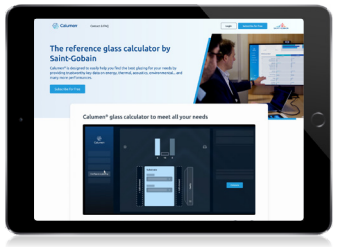
PRODUCT OFFER

- COOL-LITE® SK (SKN & SKN T)
- COOL-LITE® K (KBT, KNT, KS II)
- COOL-LITE® S (ST, STB, STR, SPN)
- COOL-LITE® BR (BRN, BRS, BRB, BRZ)

# OUR DIGITAL SERVICES & TOOLS

## CALUMEN®

### THE REFERENCE GLAZING CALCULATOR BY SAINT-GOBAIN GLASS




**DISCOVER AND TRY CALUMEN ONLINE**

**Calumen® is a glazing configurator designed for all building professionals, whatever their level of expertise in glass products: architects, designers, engineering offices, consultants, façade makers, window manufacturers, glass processors and general contractors.**

- Determine the light, energy, thermal or acoustic performances of your glazing
- Find a suitable glazing for your project based on its required performance values
- Personalize settings such as type of glazing, type of coating, glass and cavity thickness
- Get an illustration of the aesthetic of the façade
- Make comparisons between our products to do the best choice
- Save your glazing configuration for further access at any time
- Calculate the carbon footprint of your glazing*

Free and user-friendly (online version without software to install): **Calumen® is the perfect tool for finding the right glass for architectural projects of any size.**

Join our thousands of users and create an account on Calumen® here: **www.calumen.com**

* Carbon footprint values presented are estimations based on the Life Cycle Analysis of our European products (A1-A3). Only complete Environemental Product Declaration can be verified by an external third party. The value is calculated regarding the composition computed based on the standard EN 15804+A2 (2019).

## GlassPro

### THE PHYSICO-REALISTIC GLASS RENDERING SERVICE BY SAINT-GOBAIN GLASS

Saint-Gobain Glass makes easier the choice of glazing for architects with GlassPro, the digital service that enables professionals to accurately predict the future appearance of their façades, going far beyond traditional renderings. A tool that radically transforms the decision-making process.

GlassPro consists of 3 services:



- **GlassPro App**, a user-friendly app for initial glazing selection with high-definition visualization

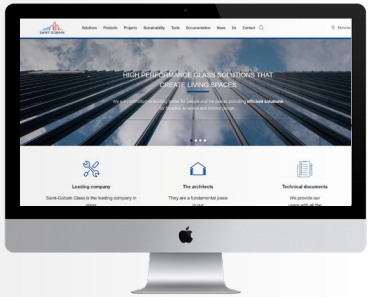


- **GlassPro Live,** which allows architects to obtain a faithful simulation of their project's future appearance



- **GlassPro 360,** the latest Virtual Reality service which further optimize the user experience by enhancing the immersive and comparative functions of GlassPro Live

## WEBSITE SAINT-GOBAIN GLASS



**Find all the information about our products, services and our latest news on our international website !**

Discover our product range, services, and tools to find the ideal glass for your project which respond the best to your needs.

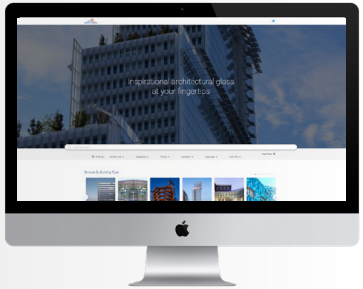
Find out more about our sustainability approach and our commitments and actions in terms of decarbonisation and circularity.

The new website is also the place to find our latest news, or a quick access to our EPDs and certifications.

**www.saint-gobain-glass.com**

This international website is also a place to find out the link to our detailed local offer and contact in our different regions.

## CALUMEN® GALLERY
## THE REFERENCE PROJECT WEBSITE FOR GLASS FAÇADES



Calumen Gallery

**Come and explore our architectural references** around the world showing a wide range of glass solutions, innovations and aesthetic options for the building envelope.

**Discover buildings with exceptional design,** offering sustainable living spaces, and making our environment pleasant to live in.

**www.saint-gobain-glass.com/calumen-gallery**

**EXPLORE OUR PRODUCT OFFER AND ARCHITECTURAL REFERENCES ON OUR WEBSITE**

Follow our LinkedIn account **Saint-Gobain Glass** to stay informed on our glass façade news, project realisations, product innovations, sustainability topics, etc.

**FOLLOW US ON LINKEDIN**

# PRODUCT COMPLIANCE
CERTIFICATION

## CE MARKING

### CE MARKING

CE marking is the only marking that attests to the conformity of a construction product with the declared performance (DOP) corresponding to the essential characteristics covered by this harmonized standard (and other applicable directives on CE marking). It therefore attests that the product complies with European technical specifications and has undergone appropriate assessment and verification of constancy of performance (AVCP) procedures.

Products bearing this mark may freely cross the national borders within the European Union. Products imported from outside the EU must also bear the mark as proof of conformity.

**To discover the declared performance of each products, Saint-Gobain Glass have created a dedicated online service. This resource offers a comprehensive overview of the technical characteristics and performance of our products, enabling you to make informed decisions for your projects.**

### FIRST EPD SUPPLIER WORLDWIDE

We provide our clients with Environmental Product Declarations (EPDs) for our glazing products. These documents, based on Life Cycle Analysis (LCA), offer a detailed account of the environmental impact of our flat glass throughout its life cycle, from raw material extraction to manufacturing and distribution (referred to as 'cradle-to-grave'). Our EPDs are created in compliance with international standards (EN 15804 and ISO 14025) and undergo third-party verification, ensuring the accuracy and reliability of the data presented.

**By publishing EPDs, Saint-Gobain Glass supports its customers including architects, engineering firms and general contractors who are seeking to achieve certifications such as LEED, BREEAM, DGNB, or other building certifications for their projects.**

### CRADLE TO CRADLE CERTIFIED® CERTIFICATION V4.0

In the current landscape, the construction sector stands as one of the primary contributors to resource consumption and carbon emissions. As a glass manufacturer, we deeply understand the significant environmental footprint of this sector and we are resolute in our commitment to playing a role in actively mitigating this impact. Our commitment to building better for people and the planet drives us to explore innovative approaches for continuously enhancing our solutions. To align seamlessly with our purpose, we have chosen to pursue the Cradle to Cradle Certified® (C2C Certified) V4.0 certification, as it closely matches our vision of responsible glass manufacturing.

**Saint-Gobain Glass takes great pride in being the first glass manufacturer to hold the prestigious C2C Certified V4.0 certification on all five categories. The certified ranges are manufactured in Europe and include Float glass & Magnetron Coated Glass, ORAÉ® & Magnetron coated ORAÉ® and STADIP® laminated glass.**

SageGlass®
SAINT-GOBAIN

# SMART TINTABLE GLAZING
# SAGEGLASS



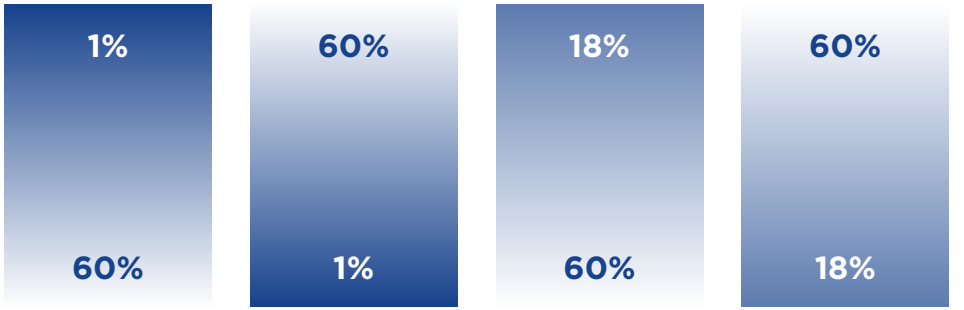
As the global leader in smart window technology, SageGlass® helps create buildings that enhance occupant wellness.

SageGlass® electrochromic glass tints or clears automatically, optimizing both light and thermal comfort in a space, without the need for blinds or shades.

With SageGlass® smart windows, your buildings can feature a lot of windows, without compromising on energy efficiency and performance.

SageGlass® offers an array of smart glass solutions to suit different application needs.

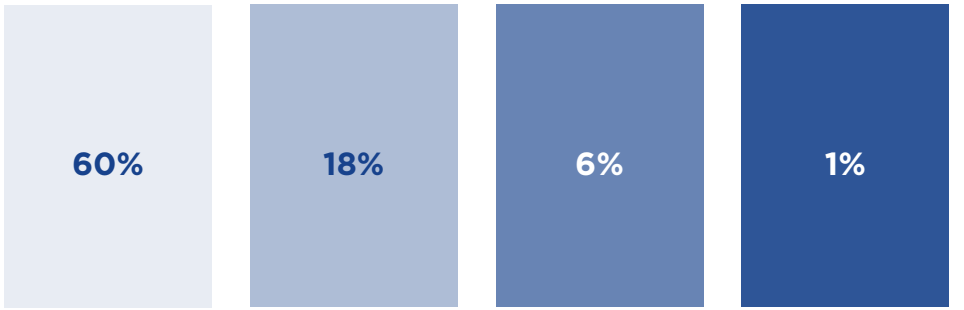
## HARMONY® STATES




FULL TO CLEAR | CLEAR TO FULL | LIGHT TO CLEAR | CLEAR TO LIGHT

SageGlass Harmony® can tint on a gradient, providing the perfect balance of daylight and glare control, and features four standard tint states.

## CLASSIC STATES (STANDARD STATES)




CLEAR | LIGHT | MEDIUM | FULL TINT

Values in % represent the Visible Light Transmission.

**GET TO KNOW MORE ABOUT SAGEGLASS PRODUCTS AND OFFER**

# FIRE-RATED AND HIGH-SECURITY GLASS SOLUTIONS
# VETROTECH

vetrotech
SAINT-GOBAIN

## HIGH-SECURITY AND FIRE-RATED GLASS SOLUTIONS FOR THE PROTECTION OF PEOPLE AND PROPERTY

Vetrotech is specialized in the development, production and distribution of sustainable fire-rated and high-security glasses for the building and marine sectors.

Vetrotech solutions can be combined with Saint-Gobain Glass glazing solutions to provide aesthetics, design and comfort and offer optimum protection for people and property while meeting highest architectural demands.

**STANDARD LIFE-SAFETY SOLUTION**
Fire and/or High Security

\+

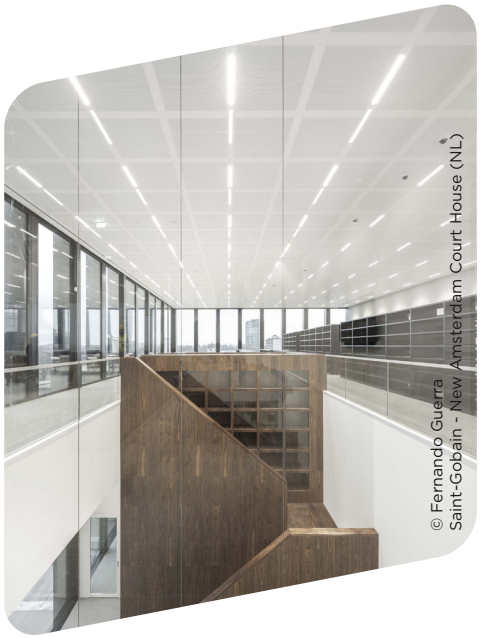
**EXTENDED RANGE OF FEATURES**

| EXTRA SAFETY | COMFORT | DESIGN | ENERGY EFFICIENCY |
|---|---|---|---|
| Protection | Noise control | Colouring | Double glazing |
| Alarm | Dynamic privacy | Screen printing | Triple glazing |
| Clear view | Screens | Digital printing | ORAÉ® low-carbon glass |
| | Extra clear | Shapes | |
| | Climate control | Curving | |
| | | Edging | |

=

**YOUR CUSTOMIZED SOLUTION**
Life-Safety & Multifunctionality

With over 45 years of experience, Vetrotech brings proven expertise, enabling it to advise and support you with the most suitable systems and custom solutions for any application or risk scenario. For more information: **vetrotech.com**


© Fernando Guerra
Saint-Gobain - New Amsterdam Court House (NL)

**CHECK VETROTECH SOLUTIONS GUIDE**

# WARM EDGE SPACER BARS
# SWISSPACER

swisspacer
SAINT-GOBAIN



### HIGH ENERGY EFFICIENCY MEETS OPTIMAL LIVING COMFORT

Swisspacer is at the heart of energy saving windows and façades. Warm edge spacer bars insulate the edges of an energy efficient sealed unit. They keep the panes of glass apart and maintain the integrity of the gap that insulates a building from heat loss through windows. They also limit the occurrence of condensation at the perimeter of the unit.

What all Swisspacer spacer bars have in common is the particularly high quality of the original warm edge for sustainable windows and façades. The simple, elegant design, the wide range of colours and the velvety matt finish also enhance the look in every application.

Visit our website: **www.swisspacer.com**





SAINT-GOBAIN

**Photo credits:**
Saint-Gobain & Photo owners

**SAINT-GOBAIN GLASS**
Tour Saint-Gobain
12, place de l'Iris
92400 Courbevoie • France
**www.saint-gobain-glass.com**