

GLAZING THE FUTURE

AGC Obekon



Your Dreams, Our Challenge

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I Company Establishment Letter



2 November, 2016

To whom it may concern,

AGC Glass Europe (AGC) and Obeikan Glass Company (OGC) have recently created a joint venture (Al Obeikan AGC for Glass) to manufacture energy efficient coated glass in a new state-of-the-art facility in Yanbu, KSA, and to sell them mainly in the Middle East and North Africa countries.

The alliance between AGC and Obeikan represents a unique opportunity to develop local production and commercial presence aimed at offering high-performance glass solutions to the most recent norms and building trends.

The coater in use has been designed and manufactured according to the AGC most advanced design and technology. Moreover, it is fully benefiting from AGC expertise in term of product development, respect of norms and standards and operational excellence.

The Belgium-based AGC Technovation Center monitors the quality of all coated glass manufactured on the Yanbu coater to ensure that they meet European and international standards.

Based in Louvain-la-Neuve (Belgium), AGC Glass Europe develops, processes and distributes flat glass for the construction (external glazing and interior decorative glass), the automotive (original and replacement glass) and the solar sectors. It is the European branch of AGC, the world's largest producer of flat glass.

Yours faithfully,

A handwritten signature in blue ink, appearing to read 'P. Bastien', enclosed within a simple, hand-drawn oval shape.

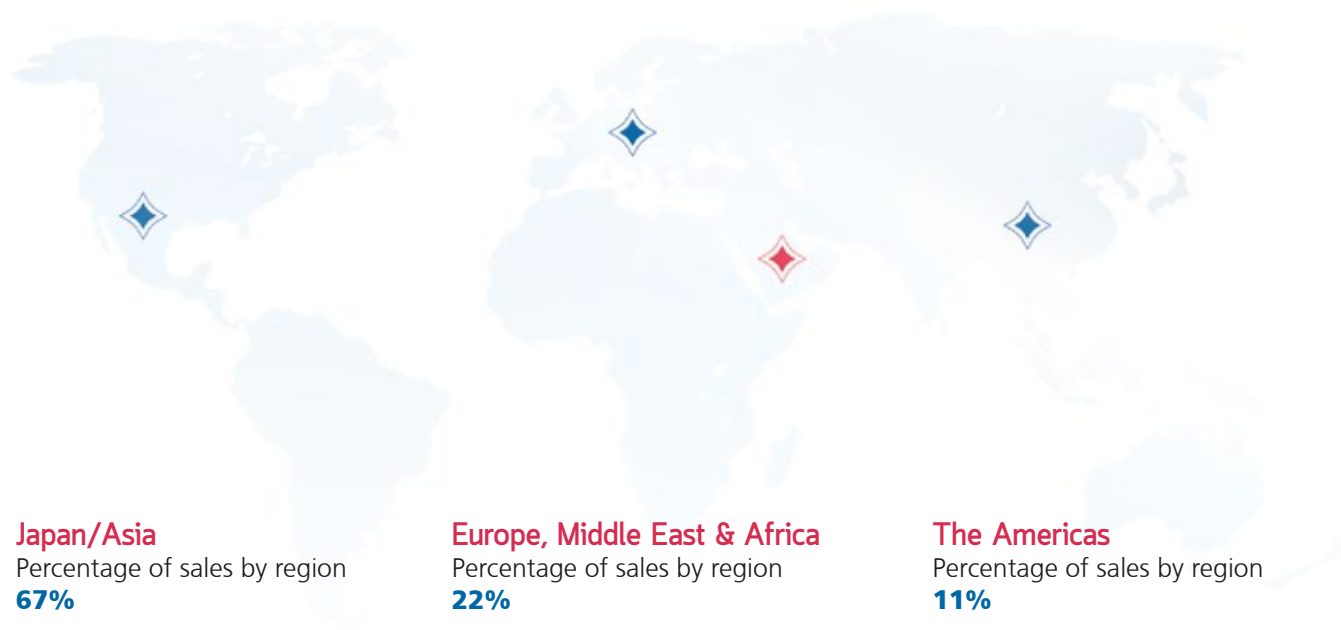
Philippe Bastien

General Manager, Building and Industrial Division
AGC Glass Europe

AGC Glass Europe SA/NV

Avenue Jean Monnet 4, BE 1348 Louvain-la-Neuve - Tel.: +32 (0)2 409 30 00 - Fax: +32 (0)2 672 44 62
www.agc-glass.eu - VAT BE 0413.638.187 - RPM Nivelles

I AGC's highly technical and fully automated businesses extend into over 30 countries



Japan/Asia

Percentage of sales by region

67%

Employees

32,000

Europe, Middle East & Africa

Percentage of sales by region

22%

Employees

17,000

The Americas

Percentage of sales by region

11%

Employees

5,000

Founded In
1907

Employees
55,000+

Group companies
217

FY2020 net sales
14 Billion US Dollar

Our websites:



www.agc.com



www.agc-glass.eu



www.agc-yourglass.com



www.agc-obeikanglass.com.sa

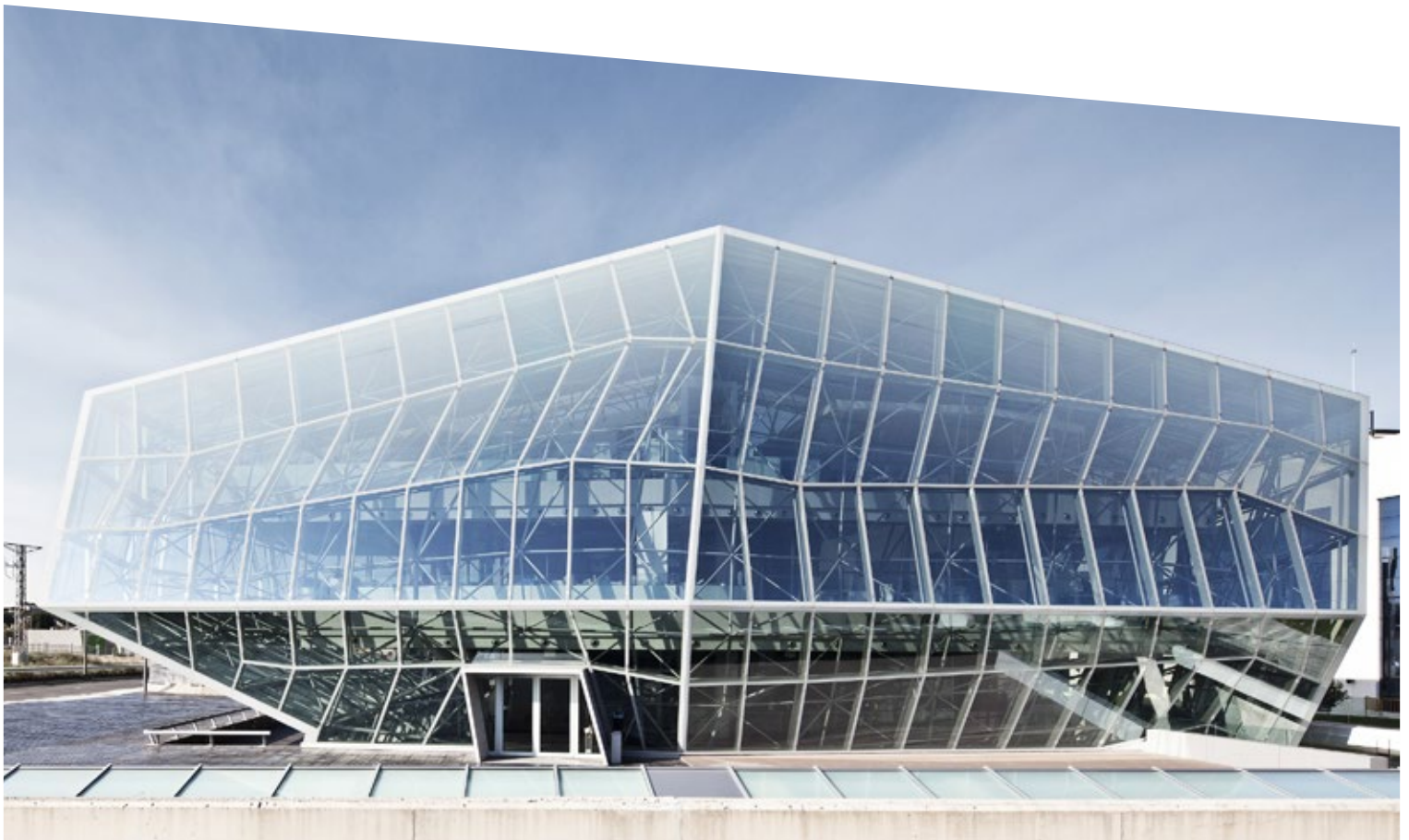
| Business Sectors



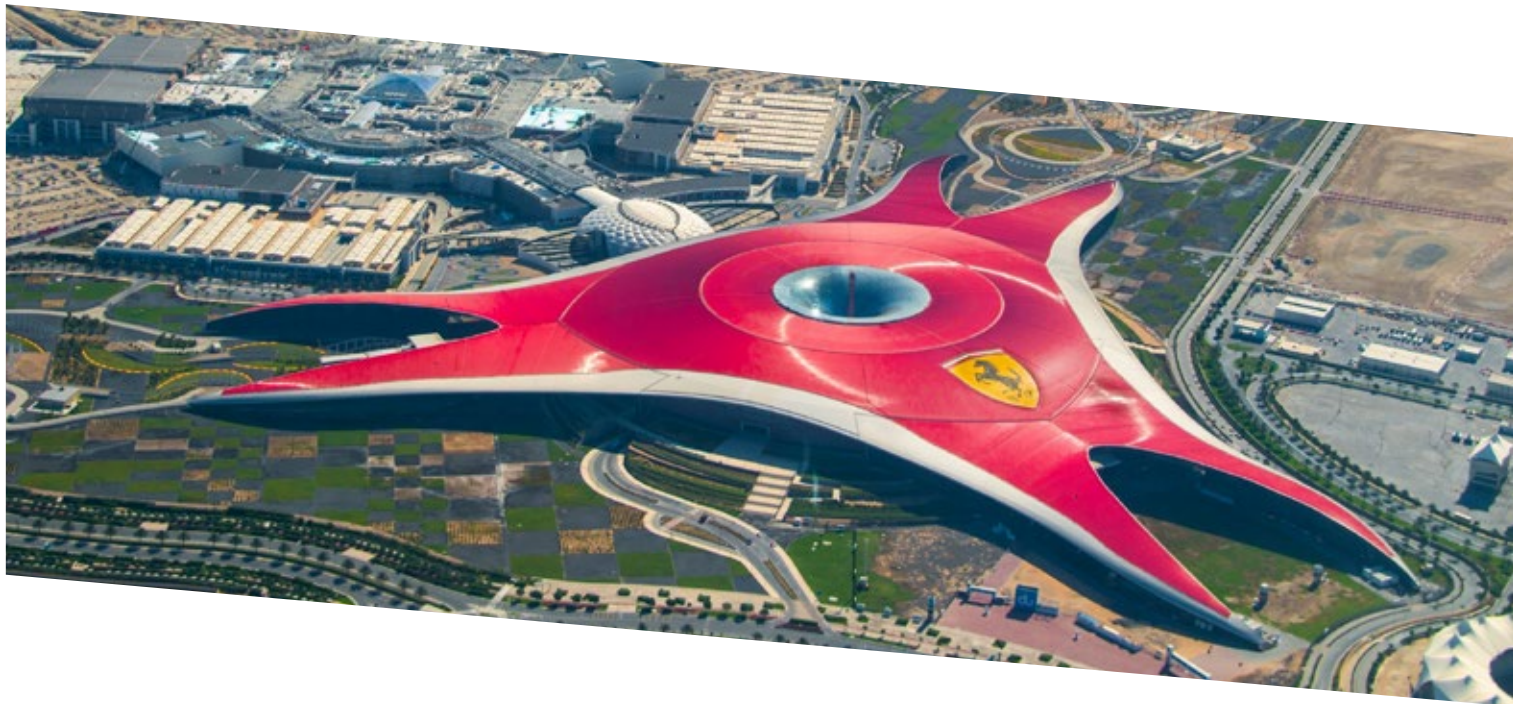
Architectural Glass

Perfect combination of aesthetics, comfort, safety & energy saving

The AGC Group is the largest glass manufacturer and a leading supplier of glass products to building, automotive and display industries. Glass is essential to daily life and we are constantly exploring the opportunities to respond to the changing needs of society.



| Business Sectors



Chemicals

Environmental conservation, safe and secure society

First started 100 years ago, with in-house production of soda ash, AGC Group continues to provide a wide variety of products for a fulfilling, safe and comfortable society and environment, from basic chemicals to fluoride-based high-function chemicals.





Electronics

Making discoveries, providing inspiration

AGC's touchscreen displays are in all areas of daily life, from TVs to smartphones.

A specialty glass for chemical strengthening – Dragontrail™ - is widely used by world class manufacturers of electronic devices, to protect them from scratches and breakage.

Ceramics

Looking into the future, protecting cities

The AGC Group's heat-shielding paving materials lower the temperature of road surfaces, helping to reduce the heat island phenomenon. We constantly continue to care about people's lifestyles and the environment by supporting urban infrastructure.



I AGC Pioneering History

From 1907 to the 1950s

- 1907** Asahi Glass Co., Ltd. was established in Amagasaki, Hyogo Prefecture
- 1914** The first shipment of sheet glass was exported to England
- 1917** Headquarters was moved to Tokyo
- 1925** Shoko Glass Co., Ltd. was established in China as Asahi Glass' first business outside Japan
- 1933** The Asahi Foundation for Chemical Industry Promotion (now the Asahi Glass Foundation) was established to commemorate our 25th anniversary
- 1937** Stocks were listed on the Tokyo Stock Exchange
- 1952** Concluded agreement to export caustic soda electrolysis equipment to Indonesia
- 1955** Received Deming Prize for quickly adopting quality management
- 1956** Glass manufacturing subsidiary was established in India, demonstrating progress in expanding internationally ahead of other Japanese companies
- 1957** Asahi Glass Scholarship Foundation was established to Commemorate our 50th anniversary



With Over 100 Years of History,
AGC Aims to Continue Contributing
to Society for Years to Come.



AGC was founded in 1907 by Toshiya Iwasaki

The 1960s and 1990s

- 1964** Entry into the flat glass market in Thailand
- 1972** Commenced glass production operations in Indonesia
- 1981** AGC Inc. acquired Glaverbel S.A. and MaasGlas B.V., glass companies in Belgium and the Netherlands
- 1985** Full-scale entry of the automotive glass business in the United States
- 1986** Full-scale entry of the chlor-alkali business in Indonesia
- 1997** Entry into Russia's glass market.



Commenced glass production operations in Indonesia. (1972)



Glaverbel S.A. in Belgium was acquired. Full-scale entry in Europe's flat glass market. (1981)



Entry into Russia's glass market. (1997)

2000s - today

- 2002** Creation of AGC Group Vision, "Look Beyond" In-house Company system was introduced
- 2007** The Group brand was unified as "AGC"
- 2013** Started production of float glass in Brazil. Established regional headquarters in Singapore
- 2015** A Joint Venture between AGC and Obeikan Glass Company is established
- 2016** Automotive glass production base established in Morocco. Information gathering and marketing bases established in India and Dubai
- 2018** Bioscience businesses in Japan, U.S.A and Europe consolidated as AGC Biologics. Change corporate name to AGC Inc.



The Brazil Plant, one of the most environmentally friendly factories in South America starts operation. Entry into Brazil's flat glass market. (2013)



I Obeikan Glass Company

Obeikan Glass Company (OGC), a Saudi Arabian glass manufacturer, is a subsidiary of Obeikan Glass Investment Group (OIG) with more than 30 years' experience in packing and related industries. OGC operates the Middle East's largest float glass plant with an 800 tonne production capacity per day.

The manufacturing facility is located in the Yanbu industrial area on the west coast of the Kingdom of Saudi Arabia. It was designed and commissioned by Fives Stein, a French company with worldwide recognition for excellence in glass plant construction and supported by powerful quality inspection system by ISRA vision from Germany.

The company produces excellent quality clear float glass with a global standard of excellence, serving the Middle East market and exporting to more than 30 countries worldwide, including Europe.



For further information:
www.obeikanglass.sa



Obeikan Glass Company (OGC) factory and head office, Yanbu, KSA



Glass production process at OGC plant in Yanbu, KSA

Nr.1

The biggest flat glass producer in the Middle East



30

Exporting to more than 30 countries worldwide



400

Customer focused employees

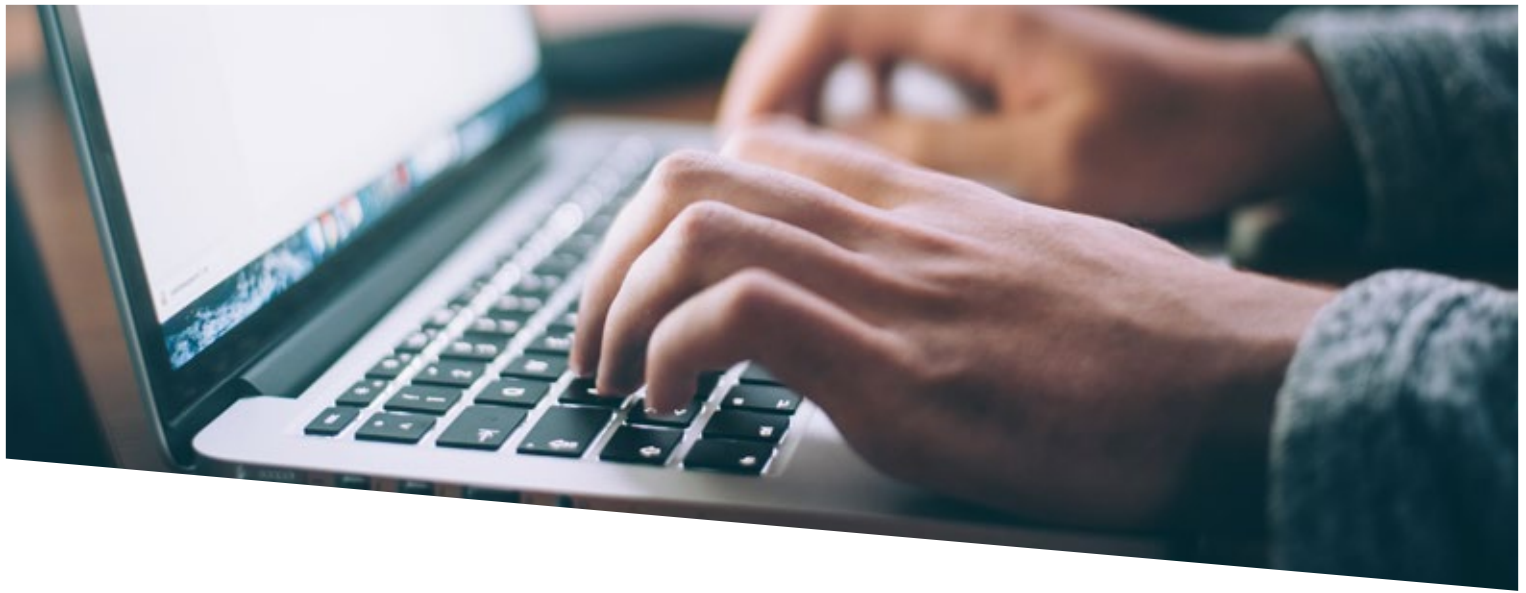


800

Tonnes

Daily production capacity





I Obeikan Knowledge Academy

Knowledge is power that opens the gateway of success for its holder. On this principle Obeikan Knowledge Academy was founded, to become an essential element in Obeikan's business growth and to play an active role in enhancing and promoting Obeikan employees' skills and abilities so they can effectively contribute better to the business. Obeikan regards the development of its human capital as an essential key to its success.

Obeikan Knowledge Academy is a foundation for the development of employees. The academy campus includes laboratories, study and recreational halls and many other features that contribute to creating the right environment for knowledge seekers. The Academy also aims to attract guest speakers and lecturers from major companies and institutions to deliver keynote speeches concerning the latest commercial and business issues.

The Academy hosts a division for managing talent by developing the competencies of its own employees to ensure they reach an international standard that enables them to maintain and give success to international partnerships.

AGC Obeikan Glass is committed to Saudization by employing local manpower and taking care of their training and get them involved in all departments to be focal effective productive force.



I A partnership for serving Middle East and Africa markets

AGC Obeikan

AGC Glass Europe (AGC) and Obeikan Glass Company (OGC) have formed a strategic partnership to serve the ever increasing demand for high-performance coated glass for the Middle East and Africa construction sector.

The joint venture brings to the market outstanding products for solar control, high-performance and spectrally selective glass products, through its state-of-the-art and most technically-advanced magnetron sputtering coater in the world. With its 72 sputtering positions and a maximum production capacity of 5.5 million square meters per year, it is also the biggest coater* within the AGC Group.

The coating line, operated by 5 operators and 1 team supervisor, is able to produce both the hard- and soft-coated glass products with no need to change the configuration of the production line. The standard dimensions of the glass panes are: basic dimensions PLF and DLF; PLF length of 450–600cm, DLF length of 180–366cm, width of the two basic dimensions from 280–330cm.

It is designed, built and operated by AGC Interpane (Germany), a market leader in the coating industry with numerous references and vast international experience.

Located in the Yanbu Royal Commission industrial area on the west coast of the Kingdom of Saudi Arabia, AGC Obeikan Glass provides customers across the Middle East and Africa faster access to advanced products and services, utilizing superior industrial infrastructure and expedient access to well-connected seaports and land transport.

** in terms of the volume of sputtering positions*

The latest and most technically-advanced coater in the world

♦ **Nr.1**

Yearly
production
capacity

5.5
Million m²

Customer
focused
employees

♦ **60**

Sputtering
positions

72



For further information:
www.agc-obeikanglass.com.sa



| Vision & Mission

Vision

Leading the future of high-performance coated glass.

Mission

AGC Obeikan Glass provides customer oriented quality products and solutions backed up by admirable services for the customer satisfaction; considering the health & safety.

| Values

Respect Integrity Fairness

We respect our clients, employees, partners and suppliers



We respect the environment, our duty to society and the law



We believe in integrity in business and trust that our employees are ethical and honest



We treat all our employees equally and develop and promote them with fairness



I Widest range of Architectural Glass solutions

The aesthetic, technical and energy properties of AGC glass make its scope of applications practically unlimited: from external glazing to interior decoration and industrial uses. With the richness of the ranges, architects and interior designers alike will find a material that gives shape to their creative inspiration and tames light, while assuring comfort for the building occupants and actively protecting the environment.



◆ THERMAL INSULATION

Superinsulating coated glass reflects heat from the building back into the interior, so preventing heat loss and contributing to the comfort of the occupants. These types of glass can be assembled into double or triple glazing. Their insulating power can be further enhanced by filling the inter-glass space with noble gas (argon or krypton).

Double glazing with superinsulating coated glass has twice the insulating power of ordinary double glazing. By reducing heating requirements, it contributes directly to energy savings.

◆ SOLAR PROTECTION

Coated solar protection glass controls the amount of solar energy penetrating into the building, letting in light while reflecting part of the sun's heat (mainly in the form of invisible infrared radiation).

As a result, the inside of the building remains not only bright but also cooler than with normal glass. By reducing the need for air conditioning, such types of glass contribute directly to energy savings. They are available in single, double or triple glazing in a wide range of colours.



◆ AESTHETICS

When transparent, clear or in subtle tints, glass designs space. Translucent, it expands space. Painted, it becomes opaque, separating spaces while spreading color. Patterned, it sculpts the light. Mirrored, it reflects and expands space. Laminated and coloured, it combines aesthetics with security. Toughened and screen-printed, it personalises building interiors. Electroluminescent (with LEDs), it creates light and magic. Shaped and sculpted, it responds to the creativity of furniture designers.





◆ HEALTH, SAFETY AND SECURITY

Safety glass guards against injury and protects property against vandalism and break-in. Laminated safety glass is made up of several sheets of glass separated by one or more plastic films (PVB) so that if it breaks the pieces remain attached to the film. Depending on its composition, it affords protection against falling out the window or even resists gunfire and explosions. Toughened glass, produced by heat treatment, is five times stronger than ordinary glass in terms of resistance to physical or thermal shock. Fire-resistant glass is made up of glass sheets separated by plastic layers that swell up when exposed to heat. Depending on its composition, it provides fire protection for 30 or even up to 120 minutes. Acoustic insulation glass, for its part, protects against outside noise, thus helping to preserve the peace and health of the occupants.



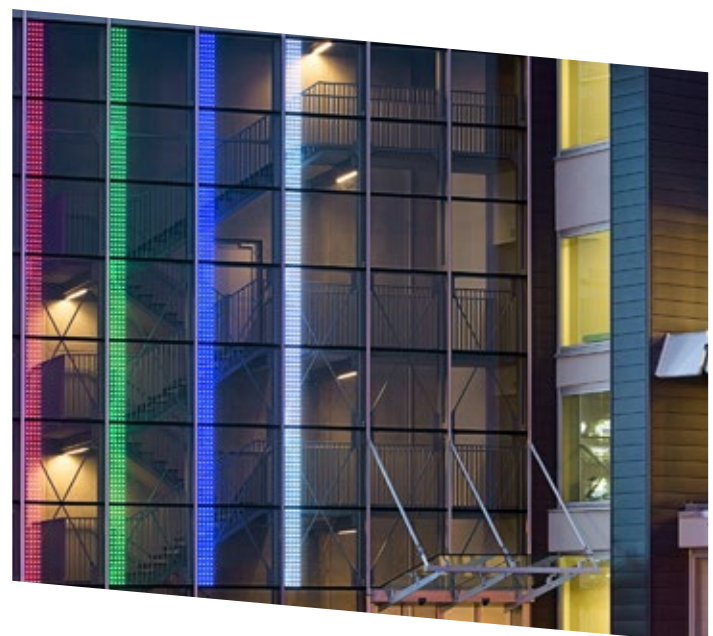
◆ ENERGY GENERATION

BIPV (Building Integrated Photovoltaic) glass has a dual role, forming part of the outer structure (glazing) of the building, while at the same time generating electricity. As such, it can replace structural elements (e.g. roofing) instead of being added on to them. BIPV glass in the form of laminated assemblies incorporates either photovoltaic cells or an ultra-thin organic film (opaque or semi-transparent), capable of generating electricity. The high-reflection, high-strength AGC mirror glass can be tailored to the needs of solar power stations.

◆ COMMUNICATION AND INFOTAINMENT

Laminated glass, incorporating LEDs without visible wiring, comes alive at night, transforming building facades into coloured displays (logos or other designs) or giant screens with moving images. By day, it becomes transparent again.

For the high-tech sector, extra-thin glass (down to 0.3 mm) is ideally suited to electronic displays thanks to its surface quality and/or the extremely low iron content that is necessary for certain applications (giant touchscreens).



I Our products - magnetron coated glass range

Solar Control

EN 673						NFRC 200 & NFRC 300			
LT %	SF %	LR % Ext	LR % Int	SC	U-value W/(m ² ·K)	U-Factor Summer W/(m ² ·K)	SC	SHGC	

Insulating double glazing unit 6-16-6 Clear Float with 100% Air, coating on #2

Sunlux BlueChroma	21	24	22	30	0.27	2.3	2.38	0.31	0.27
Sunlux BronzeChroma	14	20	15	10	0.23	2.3	2.38	0.26	0.23
Sunlux GreenChroma*	20	26	32	13	0.29	2.4	2.44	0.33	0.29
Sunlux Dark BlueChroma	14	19	16	15	0.22	2.3	2.30	0.25	0.22
Sunlux Dark GreenChroma*	13	19	20	15	0.22	2.3	2.30	0.25	0.22
Sunlux Dark GreyChroma	11	18	15	11	0.20	2.3	2.33	0.24	0.21
Sunlux Shadow 14	14	17	37	37	0.20	2.3	2.33	0.23	0.20
Sunlux Shadow 20	17	21	31	35	0.24	2.4	2.40	0.27	0.23
Sunlux Shadow 32	27	31	22	27	0.35	2.5	2.51	0.38	0.33

Advantages

- ♦ Easy to process: can be heat-treated, laminated, bent, ceramic frit printed
- ♦ Gen 3 - can be used in monolithic application or IGU.
- * IGU application only, work in progress
- ♦ Variety of colors on standard clear float
- ♦ Shelf life 12 months



Low Emissivity

EN 673						NFRC 200 & NFRC 300			
LT %	SF %	LR % Ext	LR % Int	SC	U-value W/(m ² ·K)	U-Factor Summer W/(m ² ·K)	SC	SHGC	

Insulating double glazing unit 6-16-6 Clear Float with 100% Air, coating on #3

iplus Solid	66	53	11	11	0.76	1.6	1.59	0.74	0.64
iplus AS	68	64	12	12	0.78	1.4	1.45	0.76	0.66
Energy Light	48	42	24	26	0.55	1.3	1.28	0.52	0.45
Energy 72/38T	71	47	14	13	0.54	1.3	1.28	0.49	0.43

Advantages

- ♦ Generously distributes natural light in the building
- ♦ Guarantees a neutral aspect and a perfect view towards the outside world
- ♦ iplus Solid – the only low-e glass with confirmed no edge-deletion requirement



Solar Control & Low Emissivity 1Ag

EN 673						NFRC 200 & NFRC 300			
LT %	SF %	LR % Ext	LR % Int	SC	U-value W/(m ² ·K)	U-Factor Summer W/(m ² ·K)	SC	SHGC	
Insulating double glazing unit 6-16-6 Clear Float with 100% Air, coating on #2									
Stopray Smart 18	18	15	35	17	0.17	1.3	1.32	0.17	0.15
Stopray Smart 30	30	21	29	15	0.25	1.4	1.42	0.25	0.22
Stopray Smart 30 on Bronze	17	15	12	15	0.17	1.4	1.42	0.19	0.17
Stopray Smart 30 on Green	24	16	21	15	0.18	1.4	1.42	0.20	0.17
Stopray Smart 30 on Grey	14	14	10	15	0.16	1.4	1.42	0.18	0.16
Stopray Smart 51	51	34	26	17	0.39	1.4	1.41	0.37	0.32
Stopray Smart 51 on Bronze	29	22	11	16	0.25	1.4	1.41	0.26	0.23
Stopray Smart 51 on Green	42	24	19	17	0.28	1.4	1.41	0.28	0.24
Stopray Smart 51 on Grey	24	20	9	16	0.23	1.4	1.41	0.24	0.21

Advantages

- ♦ Can be heat-treated, laminated, bent, ceramic frit printed
- ♦ No edge deletion required
- ♦ Stopray Smart 18 – 18% LT & the lowest LRint in the similar product category



Solar Control & Low Emissivity 2Ag

EN 673						NFRC 200 & NFRC 300			
LT %	SF %	LR % Ext	LR % Int	SC	U-value W/(m ² ·K)	U-Factor Summer W/(m ² ·K)	SC	SHGC	
Insulating double glazing unit 6-16-6 Clear Float with 100% Air, coating on #2									
Stopray Blue Ace-30T	30	19	18	13	0.22	1.4	1.40	0.22	0.19
Stopray Bronze Ace-30T	30	22	18	13	0.25	1.4	1.40	0.23	0.20
Stopray Grey Ace-30T	32	22	16	10	0.25	1.4	1.40	0.24	0.20
Stopray Grey Vision-36T	36	22	9	14	0.25	1.3	1.32	0.24	0.21
Stopray Vision-40T	40	22	19	15	0.25	1.3	1.29	0.23	0.20
Stopray Vision-51T	50	28	14	14	0.32	1.3	1.29	0.29	0.25
Stopray Vision-72T	71	38	13	14	0.44	1.3	1.33	0.40	0.35
Stopray Titanium-34T	34	22	6	12	0.25	1.3	1.33	0.25	0.22

Advantages

- ♦ Guaranteed neutral aspect and a perfect view towards outside world
- ♦ In line with current architectural trends
- ♦ Work in progress to announce no edge deletion for Stopray Ace family



We are shaping the future of glass

Innovation is one of AGC basic values and key competitive advantages. Thanks to its expertise in glass composition and coating, AGC strives to offer the best architectural response to requirements for light transmission, thermal or acoustic insulation, solar control, security, aesthetics and energy generation.

Plus new solutions offered by glass in the fields of communication and connectivity. Constantly pursue innovation, never satisfied to leave things as they are.

AGC Technovation Centre (ATC)

AGC's research & development centre of excellence and competences in flat glass in Gosselies (Belgium), brings together some 250 researchers, technicians and engineers in brand-new premises focused on improving the glassmaking processes and developing new glass products for the construction and automotive industries.

Taking its cue from both the industry and market trends, ATC is dedicated to:

- enhancing the efficiency of the Group's industrial equipment, thanks to the technological expertise of the engineering department
- making glass a material that meets an ever wider range of needs (energy management, comfort, health & safety, aesthetics)
- embracing radical innovation and in so doing breaking new technological ground to open up fresh market opportunities

New Business Development

New business development is a department within AGC responsible for generating new business opportunities for the company. It seeks to identify, validate and ultimately develop new products, segments or business models, many of which often entail the company entering previously uncharted territory.

Empowered Employees: everyone plays a role in innovations

To boost innovation within the company and make absolutely sure that no good idea goes undetected, AGC Glass Europe runs two complementary programmes: InnoWiz, design to harness innovative ideas as and when they pop up, and AGC Group Improvement Activities, which manages targeted innovation.



I Environmental Commitment

Environment is one of the key shared values of the AGC Group and an essential part of the company's social responsibility. Therefore, AGC Obeikan Glass is firmly committed to its proactive environment policy focusing on three key areas: products, production methods and transport.

We seek to contribute to sustainable development, thanks to the energy savings afforded by our products. But also by means of our innovative technology aimed at limiting the environmental impact of our industrial activities. In parallel we strive to maintain and even improve the health and safety conditions at work.

At AGC Technovation Centre, 70% of the budget is devoted to sustainable green products, solutions and manufacturing. Sustainable development remains the focal point: 50% of research projects have a positive direct impact on the environment.

AGC Glass Europe was the first glassmaker in Europe to introduce a combustion method that yields significant energy savings. In addition, it also became the first European glassmaker to obtain the Cradle-to-Cradle certification for a broad range of products (float, soft-coated, laminated and decorative glass) under the Cradle to Cradle programme licensed by the Cradle-to-Cradle Products Innovation Institute.

In 2021, AGC Obeikan high performance double silver coated glass products obtained Cradle-to-Cradle Bronze level, achieving Platinum level in Material Health.



Cradle-to-Cradle Product Scorecard

♦ Material Health	Platinum
♦ Material Reutilization	Silver
♦ Renewable Energy & Carbon Management	Bronze
♦ Water Stewardship	Gold
♦ Social Fairness	Silver
Overall Certification Level	Bronze

Check our
environmental
declarations



EPD[®]
THE INTERNATIONAL EPD[®] SYSTEM



I Environmental policy

AGC Obeikan Glass's environmental policy has four main objectives:

- To produce high-performance coated glass used for heating, and advanced solar control coatings to save energy used for air conditioning
- To develop new products that deliver improved environmental performance throughout their entire lifetime, including the recycling stage
- To produce high-performance products through which the developer can gain LEED points, achieving improved green sustainable building ratings
- To implement production processes that help to preserve the environment by using products and materials that are safe and ecologically intelligent



I Human Capital

Our team is comprised of a wealth of certified and extensively experienced professionals in their respective fields engendered with a corporate culture focused on delivering superior services and performance in all aspects of our business.

The cultural diversity of the company's personnel stems from its geographical extension and its membership of a worldwide AGC Group.

It is viewed as a source of enrichment and progress for AGC Obeikan Glass.

| Local Social Responsibilities

- Chair of Sheikh Abdul Rahman Al-Obeikan for mathematics and science education at King Saud University (<https://c.ksu.edu.sa/ocsme>)
- Charity committee for orphans in Riyadh
- Al-Ber charity committee in Riyadh
- Charitable fund for treating patients in Sultan Bin Abdul Aziz city for humanitarian services in Riyadh

| Safety

Continue an effective safety management system adhering
to international standards.

Mission

- Provide and maintain a safe workplace throughout the organization to prevent any accident
- Determine safety priorities and restore safety standards to promote appropriate safety behavior
- Continuously improve the safety system through innovations and management audits

Guiding Principles

- Maintain a safety system at all levels of organization
- Achieve zero lost time incidents
- Carry out the legal requirements
- Commitment of AGC – OGC management, employees, contractors, customers and vendors
- Timely accomplish laid out plans
- Execute systematic planning of all resources, and related information
- Ensure that all appropriate communication processes are established
- Set clear safety objectives throughout the organization
- Distinguish and evaluate safety concerns and suggestions for potential improvements



| Glass Experts at Your Service

AGC Obeikan Glass offers real support for architects and customers in planning, designing and processing glass via four support teams

◆ IBP: International Building Projects

International Building Projects (IBP) is a team of glass and architectural experts responsible for supporting investors, architects, engineering firms, façade makers and processors in specific technical solutions, with a focus on glass façades, glass roofs and other special exterior applications.

◆ TAS: Technical Advisory Service - Glass Applications

“Technical Advisory Service (TAS) – Glass Applications” is a team of glass experts offering technical support on the company’s glass products to customers with focus on specialties. This technical support covers topics such as: light, energy and thermal properties, structural calculation, thermal stress and thermal analysis, acoustics, safety and security, special products, technical datasheets, installation guidelines, technical trainings etc.

◆ IDC: Interior Design Consultants

Interior Design consultants (IDC) is team of glass and design experts that helps architects, planners, design furniture producers and processors to choose the right AGC glass for interior design projects and furniture application.

◆ TAS: Technical Advisory Service - Process

Technical Advisory Service (TAS) Process team advises clients that process AGC glass, focusing on pre-processing, toughening and heat-strengthening.

Make AGC Obeikan Glass your key partner and benefit from its expertise in coated glass products and the many services it provides.

Project Architect	Product Quantity (m²)	Façade Fabricator
King Abdullah Financial District		
Parcel no: 1.08 <i>Goettsch Partners</i>	Stopray Vision-50T 25,000	Multiforms
Parcel no: 1.09 <i>SOM</i>	ipacol Platin 47/29 27,000	Scheldebouw
Parcel no: 1.10 <i>Hening Larsen Architects</i>	Energy ^{NT} 8,000	Tosoni
Parcel no: 1.11 <i>Behnisch Architekten</i>	Stopray Vision-50T 20,000	Tosoni
Parcel no: 1.12 <i>Kling Stubbins</i>	Stopray Vision-50T 20,000	Multiforms
Parcel no: 1.14 <i>Gensler</i>	ipacol Neutral 38/23 32,000	PGME
Parcel no: 1.15 <i>Nikken Sekkei</i>	ipacol Neutral 38/23 31,000	PGME
Parcel no: 1.17 <i>Nikken Sekkei</i>	Stopray Vision-36T 46,000	Permasteelisa
Parcel no: 2.05 <i>Callison</i>	ipacol Neutral 50/27 and Shine 40/22 9,000	Alurage / Alumco
Parcel no: 2.07 <i>Foster + Partners</i>	Stopray, Planibel Grey 21,000	Gartner Germany
Parcel no: 2.08 <i>Will Bruder</i>	ipacol Platin 47/29 and Neutral 70/37 14,000	Alurage / Alumco
Parcel no: 2.09 <i>FX Fowle</i>	ipacol Platin 47/29 5,000	PGME
Parcel no: 2.10 <i>HLA</i>	ipacol Ultraselect 62/29 11,000	Lindner Facades
Parcel no: 2.11 <i>Perkins + Will</i>	ipacol Neutral 50/27 11,000	Scheldebouw
Parcel no: 2.12 <i>RMJM</i>	ipacol Ultraselect 62/29 13,000	Lindner Facades
Parcel no: 2.13 <i>HLA</i>	ipacol Platin 47/29 12,000	Scheldebouw
Parcel no: 2.14 <i>FX Fowle</i>	ipacol Platin 47/29 10,000	PGME

Project Architect	Product Quantity (m ²)	Façade Fabricator
King Abdullah Financial District		
Parcel no: 3.01 <i>Perkins + Will</i>	ipasol Platin 25/17 and Neutral 50/27 13,000	Scheldebouw
Parcel no: 3.04 <i>Michael Scott</i>	ipasol Sky 50/28 10,000	PGME
Parcel no: 3.05 <i>Michael Scott</i>	ipasol Sky 50/28 15,000	PGME
Parcel no: 3.09 <i>RTKL</i>	ipasol Neutral 50/27 and Sky 30/17 17,000	Gartner Germany
Parcel no: 4.03 <i>HLA</i>	ipasol Neutral 50/27 6,000	Alurage / Alumco
Parcel no: 4.04 <i>RMJM</i>	ipasol Neutral 50/27 7,000	PGME
Parcel no: 5.06 <i>Gensler</i>	Planibel Clearvision 20,000	Enviai
Parcel 5.07 & 5.08 <i>Omrana & Associates</i>	Stopray Vision-36T 23,000 Stopray Titanium 37T 20,000 Stopsol Supersilver Clear 13,000	Multiforms
The Skywalks <i>Hening Larsen Architects</i>	Stopray Titanium 37T 100,000	Al Ghurair
PNU Metro Station <i>Dar Al Handasah</i>	Stopray Titanium 37T 100,000	Multiforms
Hilton Riyadh Hotel & Residence <i>Omrana & Associates</i>	Stopray Vision-50T 35,000	Permasteelisa
The Assila Towers <i>Mohamad Harasani Architects</i>	Stopray Titanium 37T 20,000	Alumco
AMC Hospital <i>Arabtech Jardaneh</i>	Sunlux BlueChroma, iPlus Solid 10,000	NAFCO
ARAMCO - Ajyal development <i>HOK</i>	Sunlux BlueChroma 7,500	Prisma Aluminum
The Zone shopping mall <i>Q-Design</i>	Stopray Vision-40T 5,000	Jazzah Aluminum
Sharma Complex <i>Saudi Diyar</i>	Stopray Smart 51 on Clear 3,000	Ramah Aluminum, Creatival, GALCO, SGAPCO

Project Architect	Product Quantity (m²)	Façade Fabricator
Al Waseel <i>Khatib & Alami</i>	Stopray Smart 30 on Grey 4,600	Nefal Aluminium
Mövenpick Hotel <i>Distinguished Experts for AE Consultancy</i>	iPlus Solid 2,000	Ramah Aluminum
King Abdullah Specialized Hospital - Qassim <i>Dar Al Handasah</i>	Stopray Smart 30 on Clear 24,000	Alumaco, Sultanah
Antara compound <i>Omrana</i>	iPlus Solid 18,000	Lada Aluminium
Masic Tower <i>Talal Kurdi Consutlants</i>	Stopray Smart 18 on Clear 5,500	Alusystems
Executive Hotel <i>MKAN Architects</i>	Sunlux BronzeChroma, iPlus Solid 11,000	Ramah Aluminum
Ministry of Health - Makkah Hospital <i>Dar Al Majd</i>	Sunlux Dark GreenChroma 35,000	Dreammetal, Founoun Aluminium
Hayat Hospital - Bin Jarallah <i>Afriz Engineering Consultant</i>	Sunlux Dark GreenChroma, iPlus Solid 20,000	Rac Aluminum
Ministry of Housing - East Gate Al Mozaini <i>Khatib & Alami</i>	Sunlux BronzeChroma 30,000	Ajwad Al Amakin
Wadi Hanifa Investment and Real Estate Development <i>Edge</i>	Stopray Smart 51 on Green 6,000	Top Windows
Sabir Behavioriol Specialist Care Hospital <i>Stantec International</i>	Stopray Smart 30 on Clear 7,000	Alusystems
Verona Hotel <i>Motion Design</i>	Stopray Smart 18 on Clear 6,000	Siab Aluminum
Asar Project <i>Abdulmohsin Altheyab & Partners</i>	Stopray Vision-51T 7,000	Luna Al Sham
Al Rosais Tower - Olaya Gardens <i>Al Rosais - Design & Build</i>	Stopray Vision-40T 8,000	Alutechs
Jabal Omar Project <i>Foster + Partners</i>	Stopray Blue Ace-30T 8,500	Leaders
IHCC Makkah Hospital <i>IHCC</i>	Stopray Smart 51 on Green 3,500	KAKI

Project Architect	Product Quantity (m ²)	Façade Fabricator
Al Jawharah Mall Jeddah <i>DX architects</i>	Stopray Vision-72T 7,000	KAKI
Zahid Business Park <i>KOAS architects</i>	Stopray Smart 30 on Clear 20,000	Salumco, KAKI, UACC, JYCO
Al Worood City Compound	Sunlux BlueChroma, iPlus Solid 80,000	Amanah & Ikhlas
Ministry of Finance Administrative Building <i>Dubai Engineering Consultants</i>	Stopray Smart 30 on Clear 10,000	Demetal
Ministry Of Health Khamis Musheit Central Hospital <i>Zaid Office for Engineering Consultants</i>	Sunlux Dark GreenChroma 5,000	RAC Aluminum
Zamzam Project <i>Omraniyoun</i>	Sunlux BronzeChroma 4,000	Alfatech
Beban Hotel <i>Saudi Diyar</i>	Stopray Smart 51 on Clear 24,000	Alfatech
Somerest Hotel <i>ID architects</i>	Stopray Blue Ace-30T 8,500	Alfatech
Le Medas Tower - The Oynx Tower <i>Al Ojaimi Architects</i>	Stopray Blue Ace-30T 5,000	Imeco
King Salman International Complex for Maritime Industries <i>Hyundai Engineering</i>	Sunlux Shadow 20 50,000	Alumasa, Gurabi, Alusystems
KFUPM Amaad Business Park <i>Atkins</i>	Stopray Grey Ace 30T, Stopray Vision-72T 67,500	Alfatech, Alusystems, Lavinco
National Commercial Bank Headquarters <i>Zuhair Fayeze Partnership</i>	Stopray Titanium-34T 4,500	Alusystems
Suhaim Tower - 4 star Hotel <i>Bena architects</i>	Stopray Vision-51T, Stopray Blue Ace-30T 6,500	Alumaco
Mouwasat Hospital <i>Afnia consutlant</i>	Stopray Grey Ace-30T 9,000	Alumaco
Dar Al Afia Tower <i>AFM engineering</i>	Stopray Blue Ace-30T 4,000	Ratal Aluminum
Ministry Of Housing - Diyar Al Hasa <i>EHAf</i>	Stopray Bronze Ace-30T 8,000	Sama Aluminum. Alumina

Project Architect	Product Quantity (m²)	Façade Fabricator
RC Royal Commission Facilities <i>Dar Al Riyadh</i>	Sunlux BronzeChroma, Energy Light 28,000	Sama Aluminum
Mohammed Al Mana Oncology Hospital <i>Al Mana Engineering</i>	Stopray Vision-40T 4,500	Saber Aluminum
Hilton Garden Inn <i>SDT Architects</i>	Stopray Vision-40T 3,000	Alusystems
Al Mousa Specialist Hospital <i>HKS Architects</i>	Stopray Vision-51T 20,000	Prisma

Project Architect	Product Quantity (m²)	Façade Fabricator
ADIA HQ <i>Kohn Pedersen Fox Associates</i>	ipasal Silver 59/45 (non-standard coating) 35,000	Schmidlin
ADNOC Residences <i>Adnoc</i>	Stopray Smart 30/20 55,000	Commodore Aluminium & Arabian Aluminium
Al Zorah Resort <i>Norr Consultant</i>	Stopray Smart 51/33 20,000	ALICO Aluminium
Amity University <i>Arch Group</i>	Stopray Smart 30/20 and Stopray Vision-50T 20,000	ALICO Aluminium
Ansam Towers <i>Khatib & Alami</i>	Stopray Vision-40T 25,000	White Aluminium
Damac Heights <i>AEDAS</i>	Stopray Vision 30/20 80,000	ALICO Aluminium
Ferrari World <i>Benoy London</i>	ipasal Neutral 48/27 (non-standard coating) 8,000	Jungbluth Aluminium Partners
Index Tower <i>Foster + Partners</i>	ipasal Neutral 52/31 (non-standard coating) 40,000	Multiforms
Landmark Group HQ <i>Arch Group</i>	Stopray Smart 30/20 14,000	ALICO Aluminium
Leaf Tower <i>Etan Consultant</i>	Stopray Vision-36T Planibel Grey 170,000	ALICO Aluminium
Presidential Flight Terminal Abu Dhabi <i>Aeroports de Paris</i>	ipasal Neutral 70/39 ipagold (non-standard coating) 3,000	Jungbluth Aluminium Partners

Project Architect	Product Quantity (m ²)	Façade Fabricator
The Galleries <i>Burt Hill</i>	ipasol Neutral 48/27 (non-standard coating) 40,000	Permasteelisa Gartner ME
The Onyx <i>Keo</i>	Stopray Smart 30/20 34,000	ALUMCO
Saraya Towers <i>Etan Consultant</i>	Stopray Vision-50T, Planibel Azur 50,000	Commodore Aluminium
Marina Vista <i>BHNS Engineering</i>	Stopray Vision-40T 25,000	National Aluminium
Mövenpick Hotel Ras Al Khaimah <i>Perkins + Will</i>	Stopray Vision-51T 8,000	Cladtech
Al Fares International Tents <i>Al Ofoq Engineering Consultants</i>	Stopray Blue Ace-30T 5,000	EXTRA CO.
Arabian Ranches 3 <i>U + A</i>	Stopray Vision-40T 40,000	National Aluminium
Dubai Park Heights - Dubai Hills <i>Khatib Alami</i>	Stopray Vision-40T, Stopray Titanium-34T 5,000	Inventure
Port De La mer - Phase 1 <i>Dewan Architects</i>	Planibel Grey, iPlus Solid 5,000	Unesia
Mama Shelter Hotel <i>NEB</i>	Storay Smart 51 on Grey 15,000	Unesia
Australian International School <i>Lacasa</i>	Stopray Smart 30 on Grey 5,000	Elio aluminum
Jassim Building <i>Golden Square</i>	Stopray Smart 51 on Grey 5,000	Tech Aluminum& Glass fixing
Arada Rehan Appartments <i>Arcadia/Aref Bin Toak</i>	Stopray Titanium-34T 10,000	Quality Aluminium
Soul Hotel <i>Naga Architects</i>	Stopray Vision-40T 6,000	Tech Alu - Ajman
Zahia City Center <i>Khatib Alami</i>	Stopray Vision-72T on Clearvision 5,000	Alico
Abu Dhabi Central Bank <i>APG Architects</i>	Stopray Smart 51 on Bronze 5,000	Alumetal
Four Seasons Residences <i>Hokins Architects</i>	Stopray Vision-51T, Stopray Vision-72T on Clearvision 5,000	AL-Fayha Aluminium
Me Do Re Residential Tower <i>APG Architects</i>	Stopray Blue Ace-30T 18,000	AL-Hamad Contracting

Project Architect	Product Quantity (m²)	Façade Fabricator
International School of Choueifat <i>Mimar</i>	Stopray Smart 51 on Grey 10,000	Zamalek Aluminium
Reva Residence by Damac <i>U+A</i>	Stopray Smart 30 on Clear 11,000	Quality Aluminium
The Fields - G&Co. <i>Datum Consultant</i>	Stopray Ace Bronze-30T 65,000	Lesko
ZaZEN One Apartments <i>KAEIZEB Consultant</i>	Stopray Grey Ace-30T 5,000	Golden Falcon
Silver Beach Hotel <i>Federal Engineering Consultants</i>	Stopray Vision-51T 8,000	EASCO

Project Architect	Product Quantity (m²)	Façade Fabricator
Embassy of KSA <i>Hamza Associates</i>	Stopray Vision-50T <i>Stratobel Security Bulletproof glass</i> 25,000	ALICO Egypt
Mejjara Office Building <i>Tarek Beshir Architects</i>	Stopray Smart 51/33 8,000	ALU Glass
University of Dr. Zoweil <i>AURA</i>	Stopray Smart 30/20 11,000	Egybel International Alu Metallo, Alu Guarantee
Suez Canal Bank	Stopray Titanium-34T 6,000	Alunile
DORRA Real Estate Head Office	iplus Solid, Stopsol Supersilver Dark Blue 12,000	Alural
Four Season Hotel Sharm El Sheikh	iplus Solid 7,000	Joudi
National Trading Academy	Energy Light 12,000	Alunile
Sodic East Business Park	iplus Solid 22,000	Alunile
Central Bank New Admin Capital	Stopray Titanium-34T 14,000	Alico
Commercial International Bank (CIB) Cairo <i>ECG</i>	Stopray Titanium-34T 8,000	Alunile

Project Architect	Product Quantity (m²)	Façade Fabricator
Qatar - Doha Exhibition and Convention Center <i>Jahn</i>	ipacol Ultraselect 62/29, ipachrome 20,000	Jungbluth Aluminium Partners
Qatar - Qatar Foundation <i>OMA</i>	ipacol Neutral 48/27 10,000	Jungbluth Aluminium Partners
Qatar - Tornado Tower <i>CICO Consulting Architects & Engineers SIAT Architekten + Ingenieure</i>	ipacol Blue 40/24 30,000	Jungbluth Aluminium Partners
Kuwait - Al Mubarak Hotel	Energy Light, Sunlux BronzeChroma 12,000	AGS Aluminium
Kuwait - Mövenpick Hotel	Energy Light 3,000	Premier Aluminium
Kuwait - Dhaman Hospital, Jahra and Ahmadi	Stopray Blue Ace-30T 14,000	Gulf Aluminium
Kuwait - Mysk Shaza Hotel	Stopray Smart 30 13,000	Hassan Abul Aluminum Factory
Jordan - Babeet Mall	Stopray Smart 51 on Bronze 3,500	Al Safeer Aluminum Co
Jordan - St. Regis Hotel <i>Arabtech Jardaneh</i>	Stopray Blue Ace-30T 14,000	Petra Aluminium
Lebanon - CF Tower <i>Rani Al Hashem Architects</i>	Stopray Vision-40T 3,500	ASA Aluminum
Bahrain - Vida Hotel <i>Pace architects</i>	Stopray Vision-40T 8,000	Al-Manai Aluminum



AGC *Obeikan*

AGC OBEIKAN GLASS

30083 Yanbu, Light Industrial Park 41912
Kingdom of Saudi Arabia
Tel: (+966) 14 393 1071

Dubai Silicon Oasis HQ
D-Wing, Office 205
United Arab Emirates
Tel: (+971) 4 569 3455

www.agc-obeikanglass.com.sa