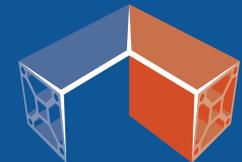


www.qalex.com.qa



**Extrusion Proudly
Made In Qatar**



QALEX

الشركة القطرية لسحب الألمنيوم

QATAR ALUMINIUM EXTRUSION CO.

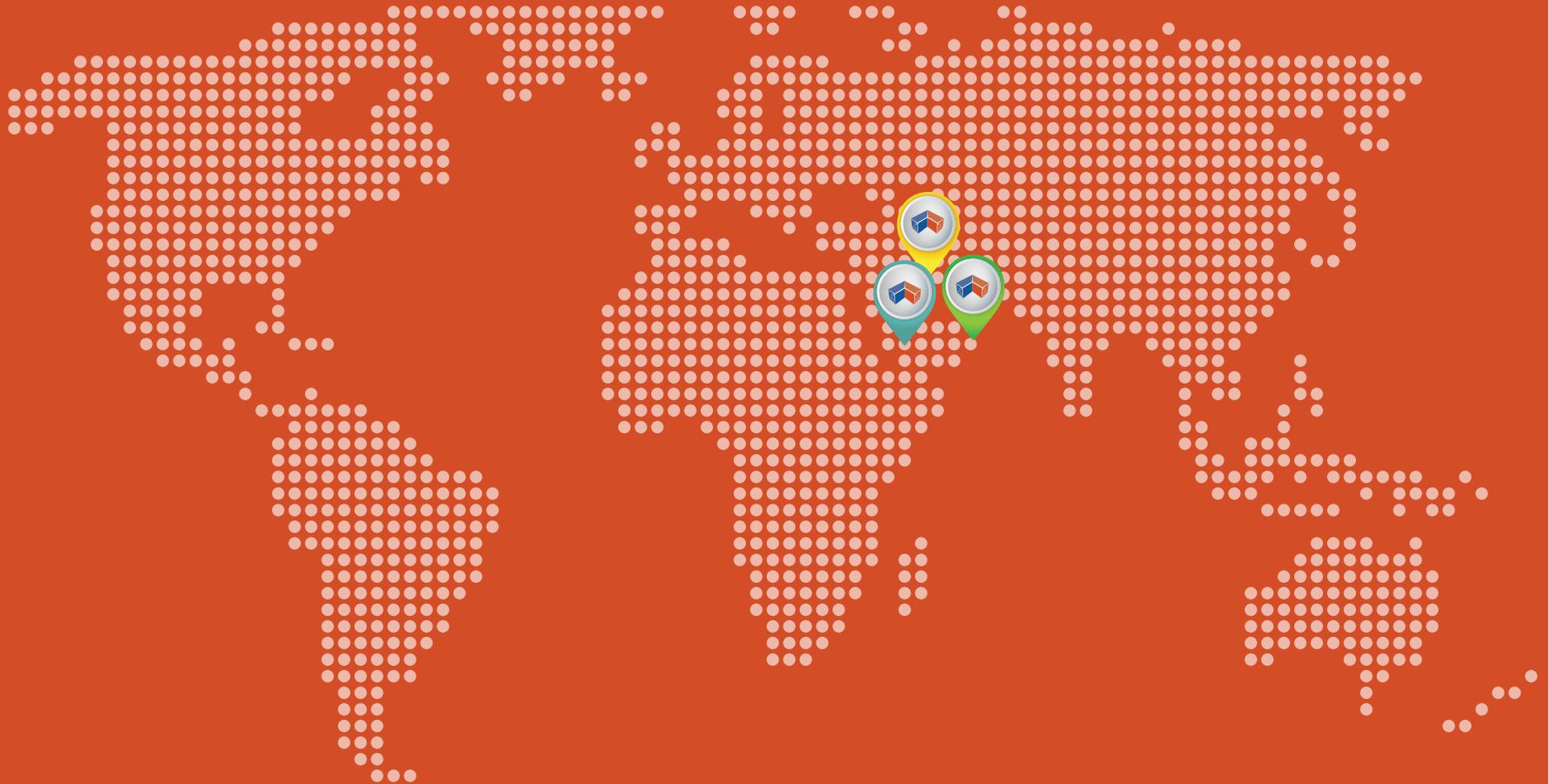


**Aluminium Extrusion
Company in Qatar**

**Complete Anodizing
Line in Qatar**



Qatar Aluminum Extrusion Co. (QALEX) is the brainchild of QIMC (Qatar Industrial Manufacturing Company) Jointly hosted along with other business tycoons of Qatar, viz. Salam International Investment Ltd., Alutec, Aluminum Gulf Ray, Qatar Oman Investment Co. & Qatar Belgium Aluminum Co.



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Qatar to World

Your Global Partner in
Aluminium Excellence

38+
Countries

5+
Continents

Qatar	Switzerland
Tunisia	Kuwait
Germany	France
Iraq	Spain
Palestine	Algeria
Australia	Belgium
Bahrain	Oman
Africa	Morocco
Turkey	Netherlands
Lebanon	Libya
Yemen	UAE
USA	KSA
Jordan	Canada
China	India

About Us

Qatar Aluminium Extrusion Company (QALEX), is a multi-million project proudly designed and built with the state-of-the-art technology plant & equipment majestically located at the Pink Zone of New Industrial Area and Mesaieed. The total plot of 58 thousand square meters aesthetically landscaped and engulfing a steel structure of 26 thousand square meters which houses modern extrusion production facilities.

Since its inception in 2009, QALEX strived to achieve excellence in all quality assurance aspects for its customers' needs and generate desired return to its stake-holders through providing efficient and cost-effective products and services that are compliant to international standards, increasing its presence in the international markets with loyal customers, and creating a challenging and rewarding environment for its employees, thus, becoming the first Aluminium Extrusion company in Qatar with complete Anodizing Line

”
Shaping your world
with precision and
strenght

Mission

To achieve excellence in all quality assurance aspects for its customers' needs and generate desired return to our stakeholders through:

- ▶ Providing efficient and cost effective products and services that are compliant to international standards
- ▶ Increasing its presence in the international markets with loyal customers
- ▶ Creating a challenging and rewarding environment for our employees

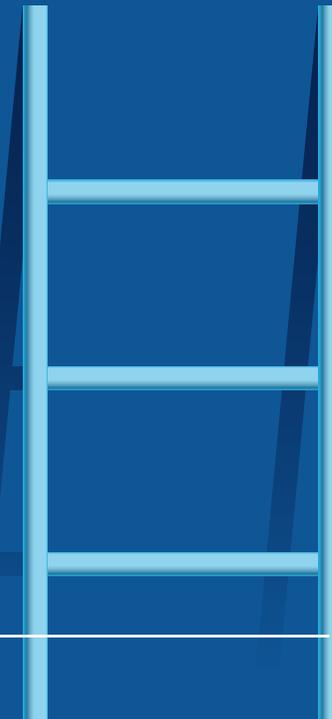


Vision

To become a world-class aluminium extrusion company”

The term ‘world-class’ means:

- ▶ To achieve least cost
- ▶ To be highly responsive
- ▶ To be capable of producing high and low volume products
- ▶ To operate at the highest levels of quality for the industry
- ▶ To utilize simple technique for the management and recording of quality and traceability





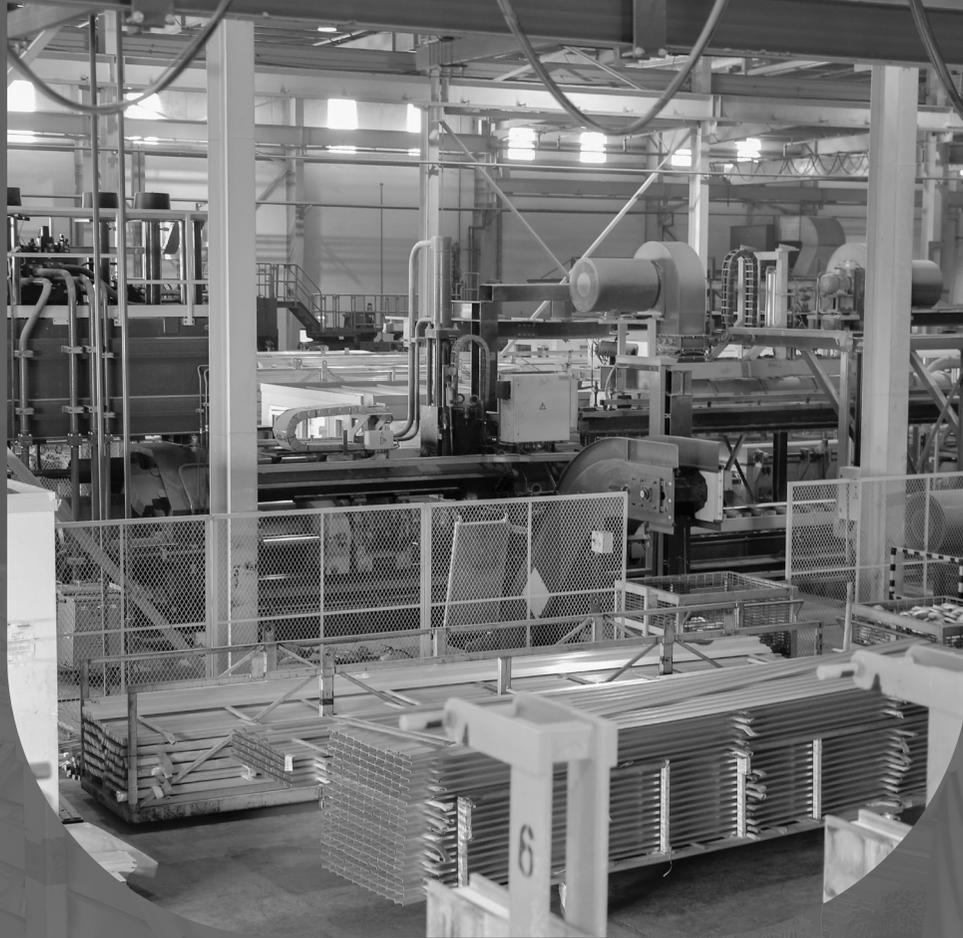
Mr. Abdul Rahman A. Al-Ansari

Chairman's Message

QALEX strived to achieve excellence in all quality assurance aspects for its customers' needs and generate desired return to its stakeholders through providing efficient and cost-effective products and services that are compliant to international standards, increasing its presence in the international markets with loyal customers and creating a challenging and rewarding environment for its employees, thus making QALEX the First Aluminium Extrusion Co. and First Complete Anodizing Line in Qatar.

We had this project in our list since the establishment of QIMC in 1990. The market was small at that time so we decided to postpone the project. As the economy of Qatar grew and QATALUM was formed, an aluminium extrusion plant becomes essential. We recalled the idea again in 2008. At that time, we invited the expected end users of aluminium who are also our partners and we started a feasibility study and we decided to go ahead with the project. This is how the first aluminium extrusion plant in Qatar was born. As GCC countries are becoming a hub for Aluminium production with many international smelters heading to the region. This entitles us to think about the downstream of Aluminium manufacturing, which includes extrusion, powder coating and Aluminium casting among others.

QALEX production capacity started at 8,000 to 10,000 tons per year and after the completion of our expansion and the acquisition of Abdulnoor factory in 2020 we doubled that capacity to more than 30,000 tons per year. Over the years, QALEX has developed a lot including but not limited to adding more machinery, facilities and products. Through these acquisition and expansion, QALEX has been able to cater the local and international market requirements in all aluminium extruded profiles, which were mainly used in many projects of Qatar such as the FIFA World Cup 2022 and to achieve Qatar's National Vision 2030.



Our Facilities





7" Press

- › 3 Extrusion Lines
- › State-of-the-art extrusion presses based on SMS and handling system by OMAV
- › Total Capacity : 19,000 – 21,000 MT/Year



Vertical Powder Coating

- › State of the art Powder Coating Line, capable of coating several colors within a short color change time
- › Capacity : 11,000 MT/Year



8" Press

- › 1 Extrusion Line
- › Capacity : 3,000 – 10,000 MT/Year
- › Japan origin 2250 MT Extrusion Press with 4S Technology
- › US origin Hot Log Shear, Log Oven, Taper Quench Unit, Stretcher, cooling system, double puller and ageing oven



Horizontal Powder Coating

- › 2 Coating Lines
- › Total Capacity : 6,000 – 7,000 MT/Year



Anodizing

- › Automatic Plant for Pre-Treatment, Anodizing and Electro-Coloring
- › Capacity : 6,000 MT/Year
- › Multi-Cell Plant



Wood Finish

- (Powder On Powder)
- › Capacity : 300 MT/Year



Wood Finish (Sublimation)

- Capacity : 300 MT/Year



PVDF Coating

- Capacity : 3,000 MT/Year
- Maximum Length of Profile: 7.5 meters



Brushing & Polishing

- Mechanically brush lines and polishes to remove die lines on aluminium profile surface



Thermal Break

- Most efficient machine for Thermal Break assembly
- Thermal Brake with lowest U Value using state-of-the-art machine and systems.
- Best quality polyamide strips



Crimping Machine

- A device used to con join 2 pieces of profiles by deforming one or both to hold each other



5-Axis CNC Machine

- For flexible and efficient machining of aluminium and then walled profiles
- All operations such as routing, drilling, tapping, thread milling, notching and sawing are performed while the profile bar is stationary to protect the profile surfaces.



UTM

(Universal Testing Machine)

- » Used for testing the tensile strength and compressive strength of materials



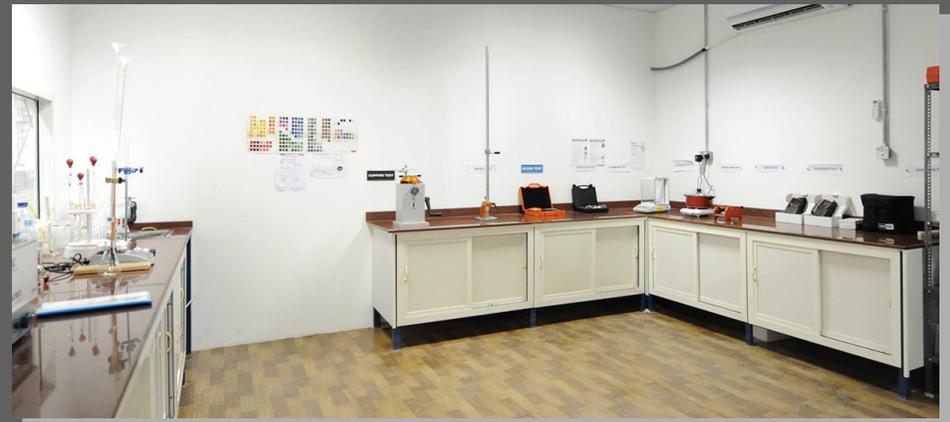
Dies

- » Outsourced from many suppliers across European countries



ASCONA

- » A profile measuring technology to achieve an accurate measurement within 2-5 seconds



Laboratory



Nitriding

- » Furnace to have fast heat-up rates and uniform temperature throughout the load.



Our Products & Capabilities

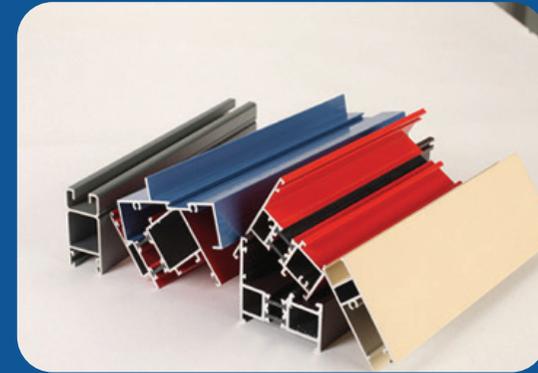




Mill Finish

Refers to the original, unpolished state of the metal that has not been treated or finished in any way. It is a potential option for any application that requires rugged material.

- » Architectural Alloys (6063, 6060, 6463)
- » Structural Alloys (6061, 6082)
- » Other 6000 Series Alloys on availability
- » Tempers (T4, T5 and T6)
- » Minimum Cut Length : 1500mm
- » Maximum Cut Length : 8500mm
- » Excess Cut Length can be considered on special request to 16m for some sections
- » Large / Big Profiles forms and shapes can be developed on request



Powder Coating

Involves coating the aluminum with a fine layer of pigment using an electrical charge. This form of finishing creates a smooth and durable surface that is both weatherproof and easy to maintain. Whether, you're looking for added protection or simply want to make your product more visually appealing

- » Powder Coating in many RAL colours
- » Maximum profile length of 7,500mm
- » Equipped laboratory to test coating quality
- » 70 to 75 microns international standard coating thickness
- » Minimum 60 microns confirmed coating thickness
- » Powder from international renowned brand
- » Regionally accepted guarantee period for coating.



Anodizing

A popular option, a process that adds a protective layer of oxide to the surface of the aluminum. This process not only helps prevent corrosion but also produces eye-catching colors and textures that can help set your product apart from the competition. It also enhances metal's heat dissipation properties.

- Available Colours Bronze, Silver, Black, Gold, Stainless Steel, Champagne and Red
- **Qualanod Approve**
- Minimum Profile Coating Length: 100mm
- Maximum Profile Coating Length: 7000mm
- Maximum Layer Thickness: Up to 25 microns
- Salt Spray Corrosion Protection maximum 2000 hours
- Hardness: approximately 250 HV 0.025, depending on the Alloy



Wood Finish

A coating system that can produce a wide range of wood effects and special textures on Aluminium profiles

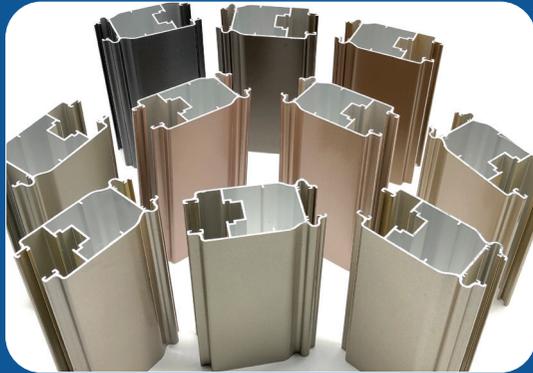
Available in:

▪ Powder on Powder

- A painting process that ensures high definition, high durable finish and greater durability, for decoration and protection of architectural aluminium with a natural wood effect.
- Minimum & Maximum Profile Coating Length : 6000mm
- Coating Thickness : 60 - 80 microns

▪ Sublimation

- A coating method of wood imitation that allows for the decoration of aluminum material able to withstand 200°C for timeless result and protection.
- Minimum Film Profile Length : 5000mm
- Maximum Film Profile Length : 7000mm
- Coating Thickness : 60 - 80 microns



PVDF (Liquid Coating)

A resin-based coating system which are widely used when a durable coating is needed on project exteriors to resist weathering, chalking, fading, and UV rays while offering exceptional protection to the substrate

- » Available in many different colours and finishes
- » Approved Applicator of Sherwin Williams – Valspar (complying with AAMA 2605)
- » Minimum Profile Coating Length : 3000mm
- » Maximum Profile Coating Length : 8000mm
- » Coating System : 2-Coat, 3-Coat and 4-Coat
- » Hardness : approximately 1H
- » Salt Spray Corrosion Resistance : 4000 hours



Thermal Break

A design feature that helps prevent the direct transfer of heat or cold between the inside and outside portions of the frame. It's particularly important in reducing the U-value of a window or door. Made of a non-conductive material inserted between the interior and exterior sections of the frame that acts as a barrier, reducing the direct conduction of temperature and helping to maintain a more stable indoor climate

Available in QALEX System :

- » Eagle (Folding Door System)
- » Reindeer (Sliding System)
- » Bear (Casement System)
- » T-Reem 64 (Sliding System)
- » T-Panda 47 (Hinge System)
- » Squid 144 (Lift & Sliding System)
- » Minimal Sliding System
- » EPSILON (DeBar Folding System)



Machining

A subtractive manufacturing process or removes material from a workpiece to create the desired part or product, like milling, turning, drilling, slotting operations, etc.

- » 5-Axis CNC Machining Centre with mobile gantry structure
- » Machining Techniques : Milling, Drilling & Slotting operations on bars made of aluminium, PVC, light alloys and steel
- » Tolerances starting from +/-0.01 mm;
- » 3-, 4-, and 5-axis machining with up to 60,000 revolutions per minute;
- » Maximum dimensions: X=10000mm, Y=800mm, Z=525mm;
- » Special profile machining machine
- » High power electro-spindle (10 kW S1) with HSK40E toolholder, which allows performing machining operations with excellent results in terms of rapidity and accuracy.



GI & MS Powder Coating

■ Galvanized Iro

- » Applying powder coat over galvanized steel/iron to create a high-grade architectural finish and provides exceptional resistance to the elements.

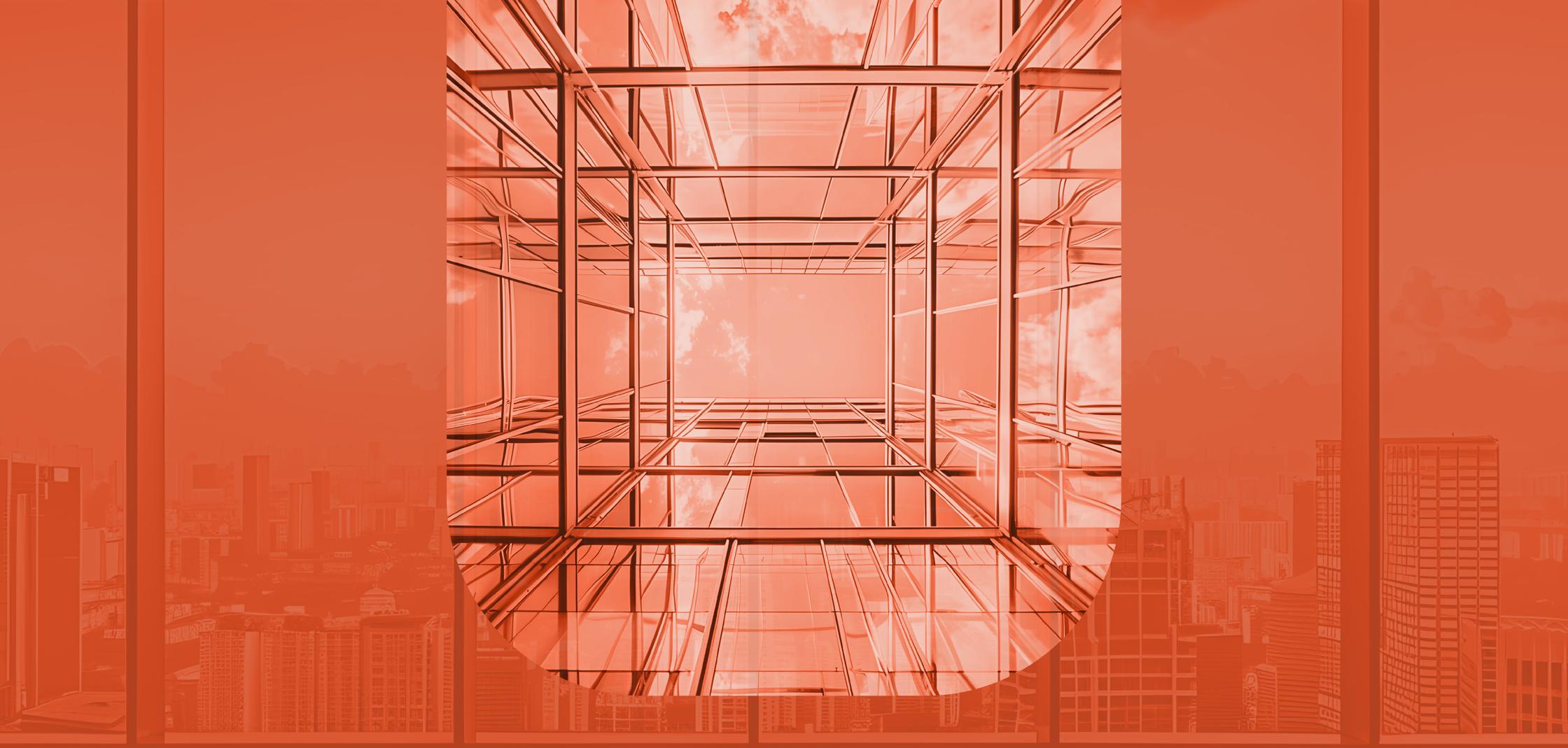
■ Mild Steel

- » MS powder coating is a popular method for enhancing the durability and aesthetics of metal surfaces.

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Reducing CO2 Emission Using Low Carbon Aluminium





QALEX System



QALEX System

QALEX System is designed, and precision engineered to suit any interior and exterior spaces, to match your architectural requirement that offers a contemporary modern look and provides a maintenance free solution. With QALEX Thermal Brake System, it enables to perform to the highest levels of thermal efficiency, not compromising on the extreme weather performance and U-Value of the system. Available in wide unique range options to have different colors or finishes (Anodizing or Powder Coating) which can be perfect to match with your interior decor and exterior finishes.



FALCON 50
(CURTAINWALL SYSTEM)



EAGLE
(FOLDING DOOR SYSTEM)



REINDEER
(SLIDING SYSTEM)



BEAR
(CASEMENT SYSTEM)



REEM 64 – Non-Thermal
T-REEM 64 – Thermal
(SLIDING SYSTEM)



PANDA 47– Non-Thermal
T-PANDA 47 – Thermal
(HINGE SYSTEM)



SQUID 144
(LIFT & SLIDING SYSTEM)



(MINIMAL SLIDING SYSTEM)



EPSILON
(DeBar FOLDING SYSTEM)

Our Investors



Approved By International System Companies



Accreditation / Certifications

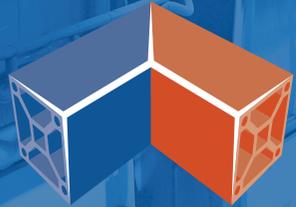


Membership



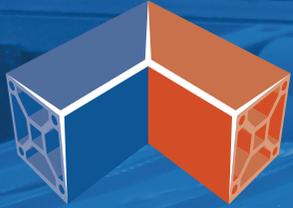
Quality & Applicator Approval





QALEX Advantages

- » Locally based company with easy and economical accessibility
- » Technical assistance is available at hand reach
- » Immediate response to quality related issues
- » No border hassle for document procedure
- » No bulk import and naturally no revenue block
- » Less inventory and so reduced storage space and no cash block
- » Quicker supply time which helps for quicker mock up work
- » Everything is in JIT basis (Just In Time)
- » Flexible terms and condition on Sales Shipment



Qatari Essence in QALEX

- » Hosted by Qatar Industrial Manufacturing Company (QIMC)
- » Aply co-hosted and supported by all Qatar based companies viz, Salam International Investment Limited, ALUTEC, Aluminium Gulf Ray (AGR), Qatar Oman Investment Co. and Qatar Belgium (QBELCO)
- » Products are procured and manufactured in Qatar
- » Added value as material is produced by QATALUM
- » Power supplied by KAHRAMAA
- » Gas produced by Qatar Petroleum and distributed by WOQOOD
- » Reduced material wastages, which are totally recycled

Awards of QALEX



QDB

ROWAD QATAR
ENTREPRENEURSHIP
AWARD



SCHÜCO MIDDLE EAST WINDOWS &
FACADE SYSTEM L.L.C

Awards of QALEX



QDB

ROWAD QATAR
ENTREPRENEURSHIP
AWARD



MINISTRY OF COMMERCE

CEREMONY HONORING
COMPANIES SUPPORTING
THE QATARI PRODUCT
CAMPAIGN 2023



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