



# COMPANY PROFILE

2022



**ISOTECH CO.**  
Aluminum & Glass

# COMPANY PROFILE 2021

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## Document Information

This document, titled: "**ISOTECH Co. Aluminum & Glass Company Profile 2021**" and is prepared for the purpose of identifying "ISOTECH Co. Aluminum & Glass" services, products and projects as well as a general overview of the company's structure and operation.

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# PROFILE

## SECTION

# A



# Introduction

ISOTECH Co. Aluminum & Glass was inceptioned in 2004 in Lebanon with a specific objective in mind by a dedicated, ambitious and devoted individual to later become a full fledged enterprise specialized in all Aluminum and Glass works.

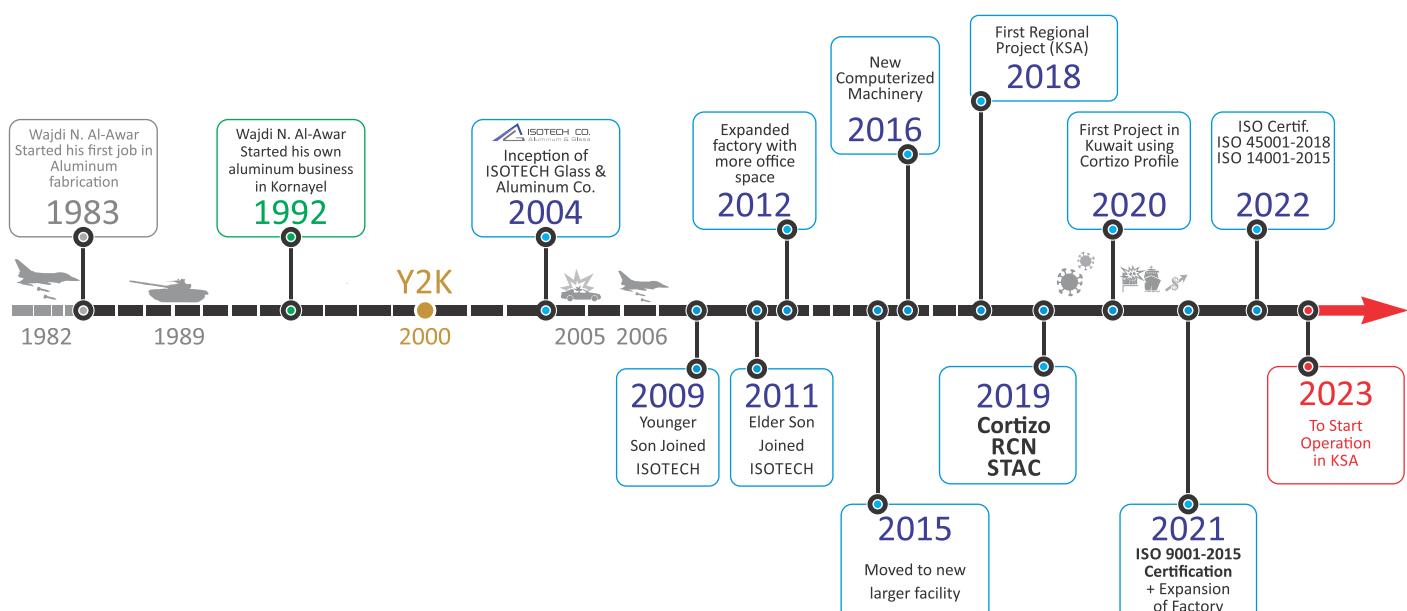
From fabricating and installing the basics, such as doors, windows and panels, to engaging in new profiles for commercial shop fronts, all the way to production and delivery of turn-key glass and aluminum solutions for high rise buildings and exotic residential projects.

Covering all aspects and phases from design and fabrication to installation and delivery, ISOTECH proudly raked a multitude of project sizes in both the private and public sectors, handled specialized aluminum profiles technically, professionally and in an optimized timely manner.

## History

Established by Mr. Wajdi N. Al Awar in 1992 after deciding to abandon his latest job as a senior aluminum fabrication & installation supervisor and invest his long vocational years of experience (Since 1983) in his own business.

As his business began to grow exponentially, the established single proprietorship was to be upgraded into a fully fledged company in 2004 incrementing gradually blue and white collar staff, in addition to moving into a larger more spacious facility to house the new machinery, warehouse and storage and certainly a more roomy space for offices to accommodate the increasing number of engineers, draftsmen, sales personnel, procurement officers and other management staff.



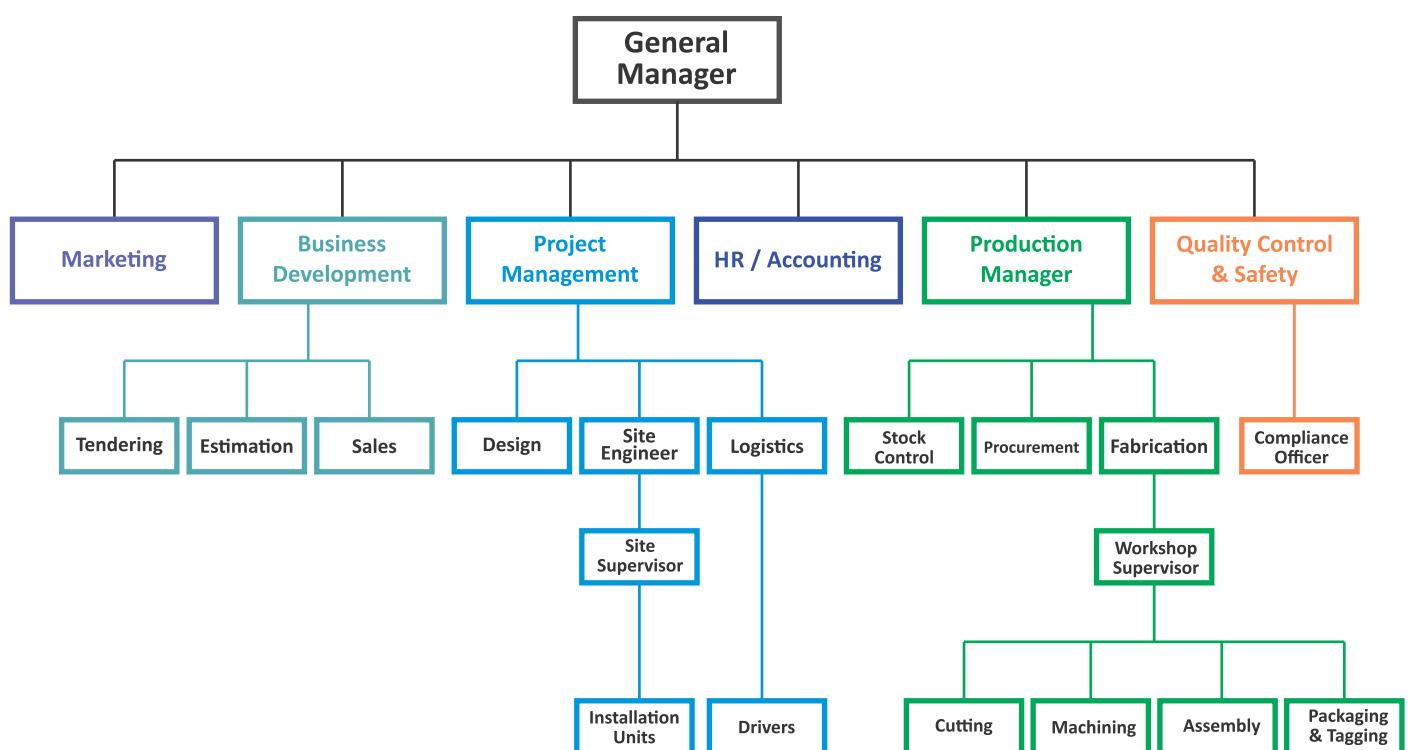
# About Us

Based on our wide experience in the aluminum industry and knowledge of the versatile profiles and accessories from multitude worldwide suppliers, in addition to market requirements and changing demands, we are determined to be a reliable source for all your aluminum and glass fabrication needs. By offering turn-key solutions, ISOTECH commences from design assistance in any project size and from the recommendation of the most suitable aluminum profile and glass specifications to supplying, manufacturing and installation of the end products.

Our priority is to insure the highest quality at all times while retaining cost-effective approaches. Since all of our suppliers are globally recognized, reliable and dedicated to quality, we focus our attention to the importance of quality as well as on constant encouragement to our staff to engage in frequent training programs on new emerging systems, machinery, design and manufacturing methods. Our investments extend further to management system to insure our continuous improvement.

At ISOTECH we merge our experience, know-how and business integrity with every technical ingredient of each project to deliver unmatched quality at an unprecedented scheduled deadline to guarantee long term reliability and confidence.

## STRUCTURE FLOW CHART



# Vision

To expand and spread out to new markets and territories, while setting a standard of excellence that raises the bar when it comes to customer service, industry knowledge and craftsmanship.

# Mission

- To maintain highest international standards in production, installation and maintenance and continuously seek innovative solutions in Production Methods and improve product lines.
- Safeguard our integrity and honesty as well as promoting our partnerships with our customers, suppliers, developers and consultants, both locally and internationally.
- Pursue the pinnacle commitment levels in every task we undertake for each business entity we deal with.

# Values

**Quality:** is one of the most important factors of success thus we sustain the strictest quality control.

**Reliability:** is achieved when our products perform as intended and function adequately for a long period of time in any environment without failure

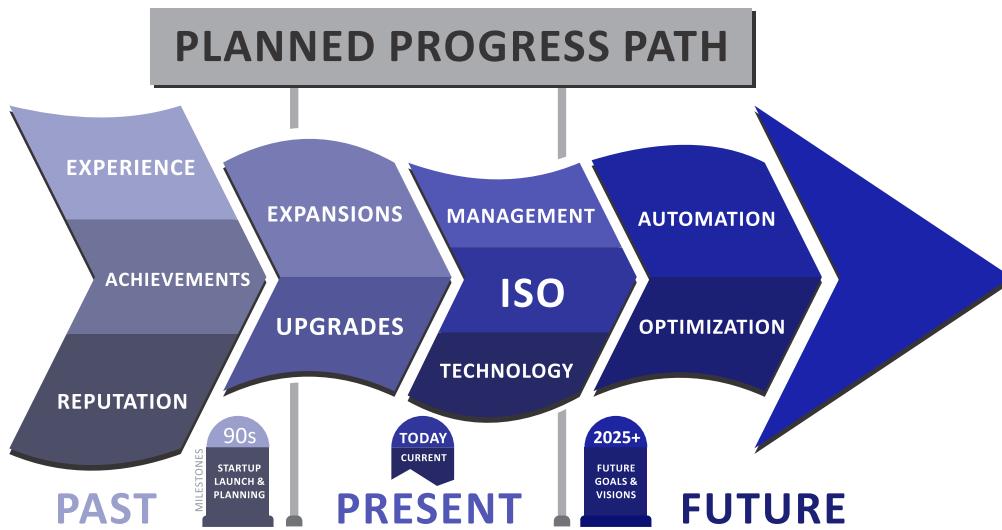
**Teamwork:** is an essential ingredient in management and production workflow.

**Communication:** is essential to well perform from management, all the way to accomplish advanced tasks relating to sales, services, and production.

**Consciousness & Responsibility:** in various aspects such as social, economic, and environmental.



# The Present & the Future



ISOTECH is an ever growing and expanding company, we consider that the last step of the staircase to success is sky high; our infinite ambition is defined as to excel and target ultimate perfection in every project we engage in. Our accomplishments have positioned us well in the market and gained us an outstanding reputation so far.

We contemplate this as just a small step in our long journey of achievements to come, where today we acquired several ISO certifications (Current ISO 9001-2015 Received) as well as several international acknowledgments, in addition to regular improvements to our factory and warehouse, machinery, tools and management techniques.

In addition to regularly engaging in regular seminars, conferences and subscribing to training institutions. Finally, we are scheduled to open a new showroom in Kuwait along with a pre-planned factory in the KSA.

## ISO Certification

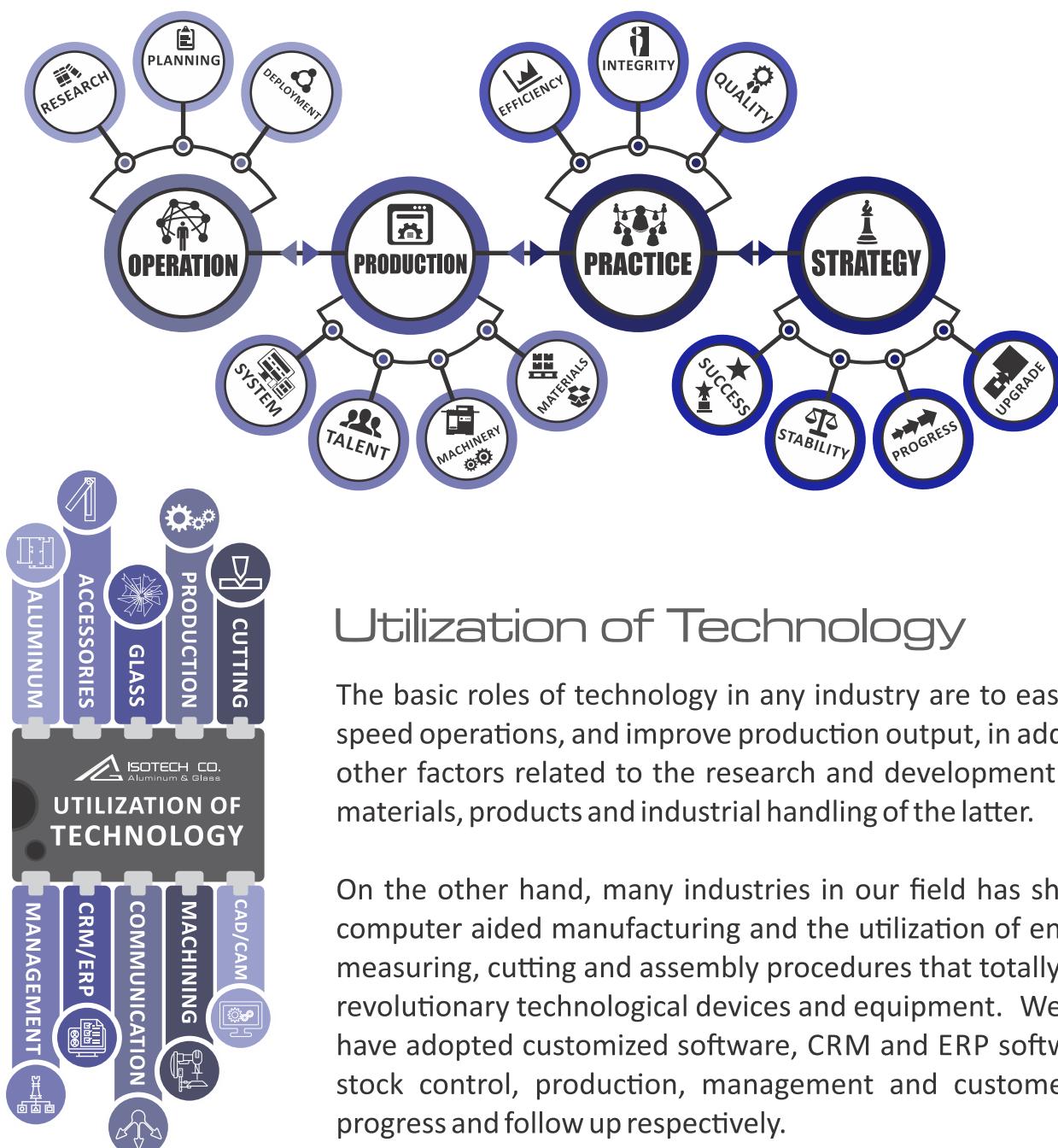
ISOTECH received the ISO 9001:2015 certification number LB001902 on the 10th of June 2021 from Bureau Veritas for Quality Management System.



# Methodology, Growth & Capabilities

Research, effective planning and extended practice are essential procedures in the ongoing management process; from researching the acquisition of new raw materials, choice of machinery, adequate talent hunting, deploying manufacturing techniques, and all other methods relevant to, scheduling, budgeting, quality control, safety, logistics, environmental impacts, as well as strict compliance to national and international standards and regulations.

All these critical factors are taken into consideration and accounted for to procreate a long term business profile and discipline, including risk-mitigation factors from the identification, evaluation, and prioritization of risks followed by coordinated and economical application of resources to minimize, monitor, and control the probability or impact of unfortunate events.



## Utilization of Technology

The basic roles of technology in any industry are to ease work, speed operations, and improve production output, in addition to other factors related to the research and development of new materials, products and industrial handling of the latter.

On the other hand, many industries in our field has shifted to computer aided manufacturing and the utilization of enhanced measuring, cutting and assembly procedures that totally rely on revolutionary technological devices and equipment. We as well have adopted customized software, CRM and ERP software for stock control, production, management and customer work progress and follow up respectively.

# Quality Control

Quality control is an unbound ongoing process at ISOTECH that is initiated from the moment we decide to acquire raw materials from a specific supplier, all the way through the manufacturing process and way down finally to installation and delivery. Throughout the lifecycle of any fabricated product till it is delivered, each stage is checked and double checked to ensure a trustworthy, reliable and resilient output is received at an excellent condition by the end user.

Our ISO 9001:2015 has adopted the following policies and associated objectives as we believe in collective success and thus, each department periodically reviews its objectives and goals in order to continually improve overall performance.

- Assisting customers in determining their needs
- Delivering quality services in a timely manner
- Being cost effective
- Abiding by laws and regulations
- Continually improving the effectiveness of the quality management system



# Safety

Safety is a very intricate issue that we handle seriously at ISOTECH. We emphasize and encourage safety precautions and requirements and strive to enforce it at every stage of operation. Consequently, safety measures are applied and monitored throughout all operation phases, from warehouse to factory to transportation and installation without any compromise. The ISO 45001 - 2018 Certification for Occupational Health & Safety will be issued to ISOTECH during 2022.



HEALTH



HAZARDS



MONITORING

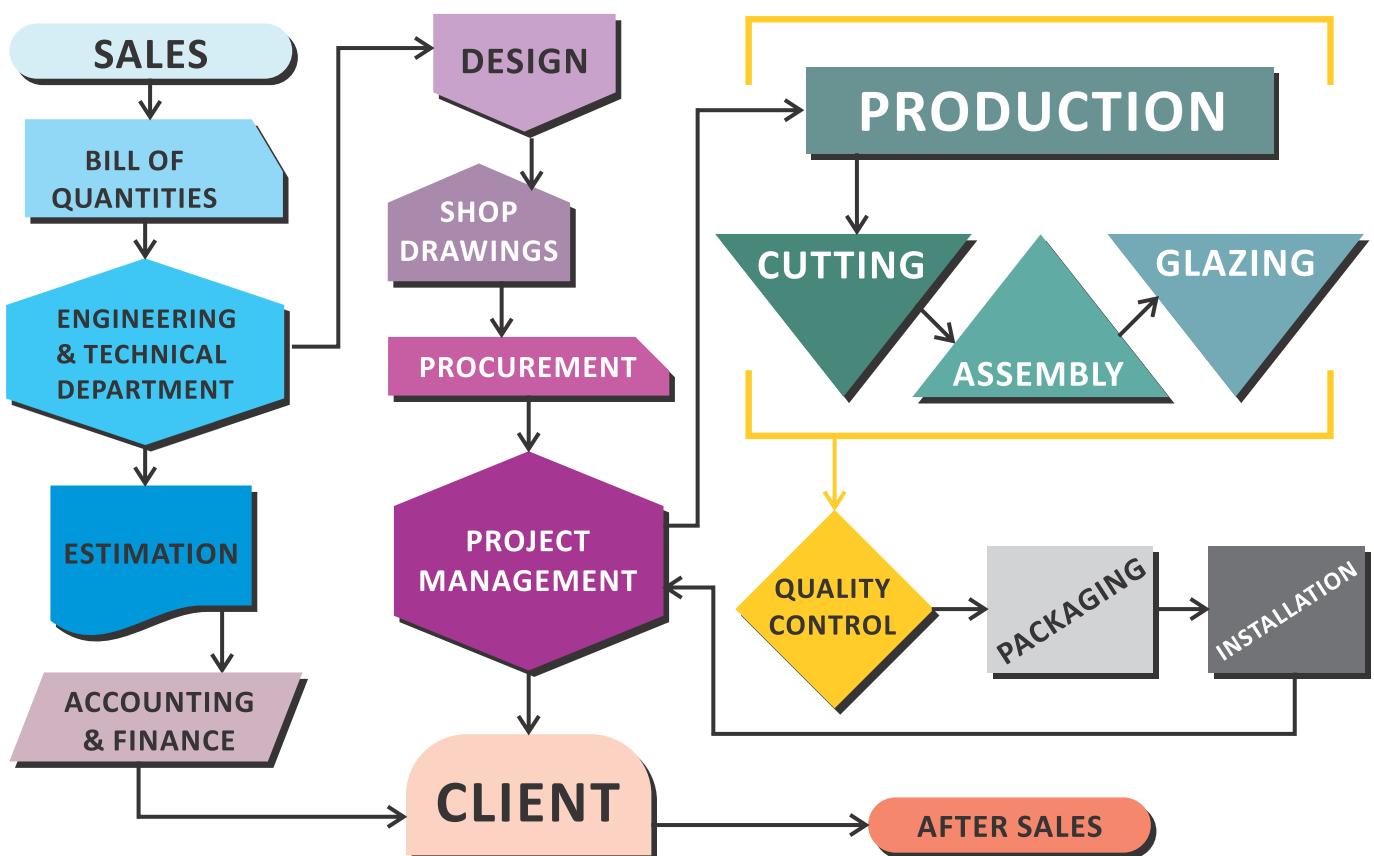


OPERATION

# Operational Process

A project is considered active the moment the sales contacts the client and determines the requirements, perform dimension measurements, or receive the project plans and hand over to the technical department engineers. During this phase the Bill of Quantities are generated and forwarded to the Estimation Unit, collectively with Top Management a quotation is created and released to be later sent to the respective client.

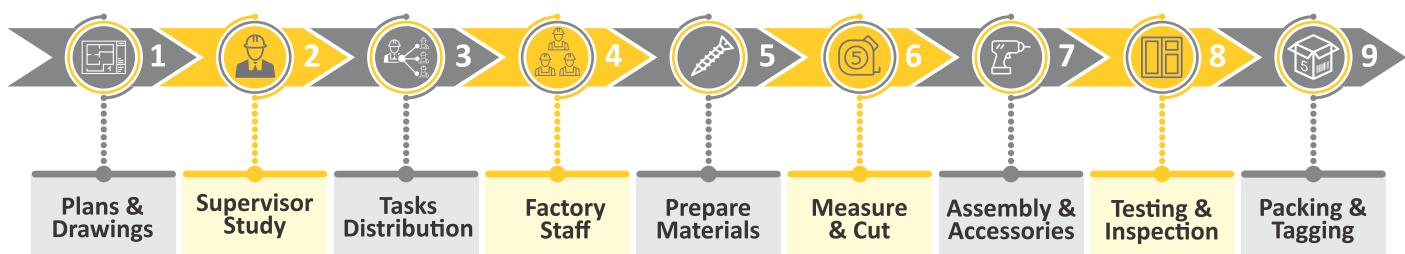
Once the client process and accepts the quotation the ball rolls to the Project Management Department's where in turn put together a detailed plan of action, time-line, and allocate tasks. Later, the Engineering & Design Department generates technical designs, shop drawings, and site plans in addition to essential material calculations needed by other departments such as procurement, production and installation whilst keeping Top Management updated and enlightened of the run activity.



# Production Process

The Production process encompasses several sequential tasks to later proceed in a parallel simultaneous production after distribution of duties and operations.

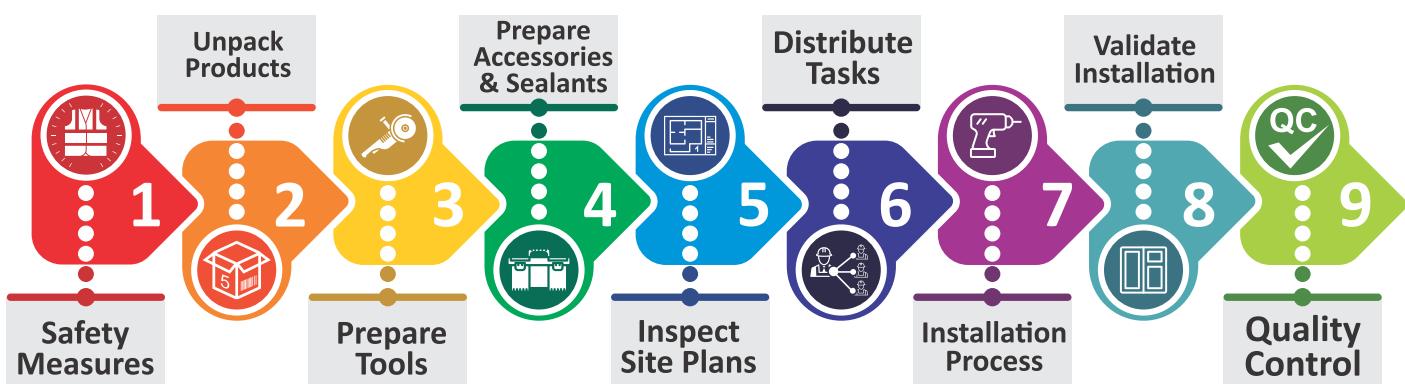
The production manager studies the plans, send orders to the warehouse to supply the required raw materials and accessories, instruct the production supervisors of the required which in turn coordinate and assign the work force to proceed with measurements, machinery setup, cutting, assembly and glazing to finally perform packaging, numbering and stacking.



# Installation & Delivery

The installation phase is almost the last phase that is meticulously planned and supervised by the Project Management Team thereafter to be executed by the on-site installation teams.

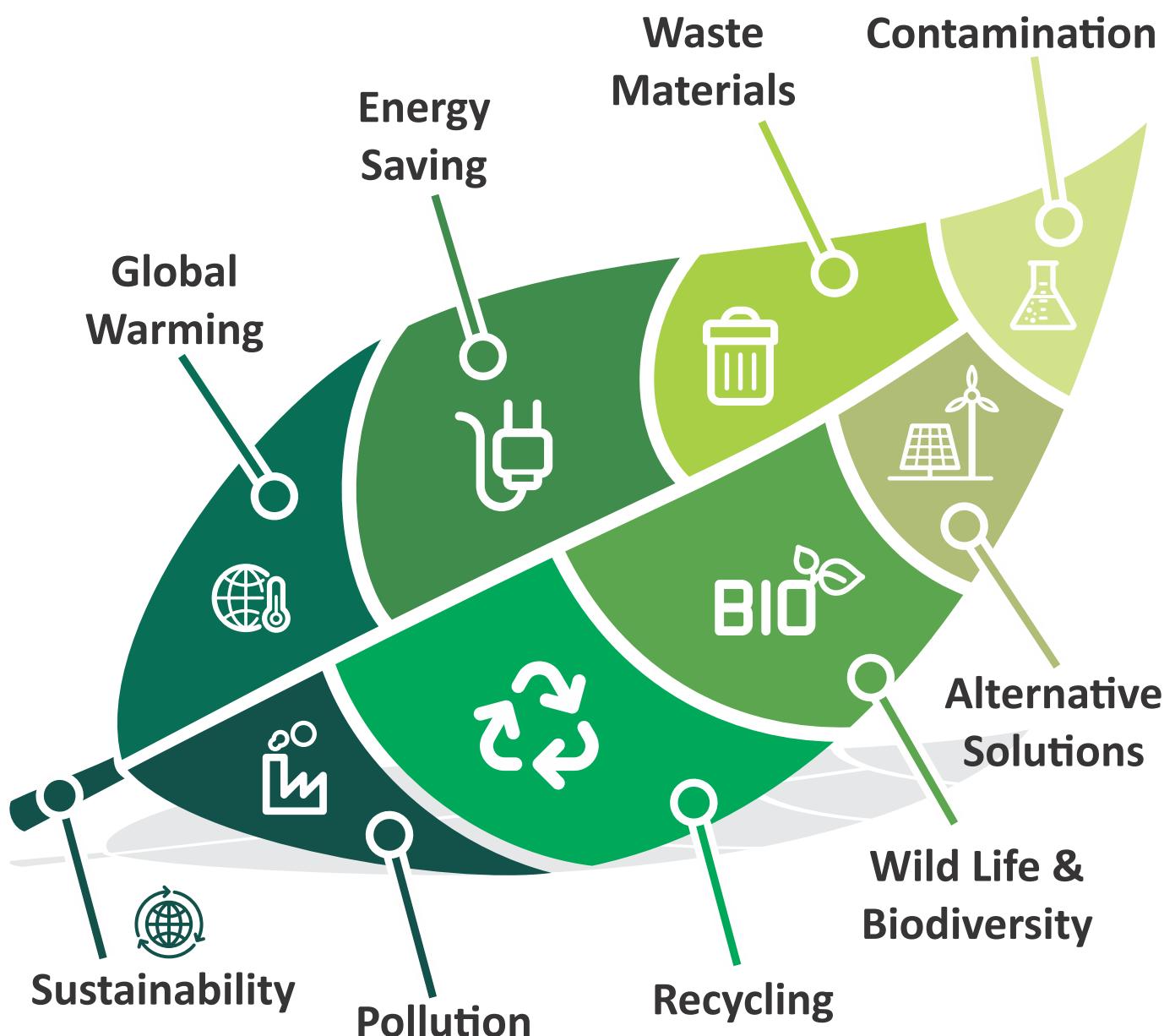
Each system, model, and item is clearly labeled, numbered and tagged with a matching reference in the plans. Accordingly, the installation teams are organized and well equipped with all required machinery, tools, equipment, etc. as well as safety harness to systematically proceed on the job.



# Environmental Concerns

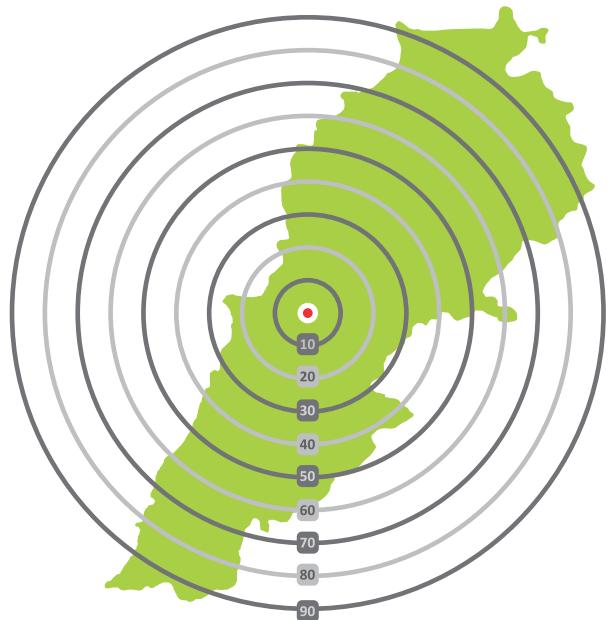
At ISOTECH we strive to pursue most environmentally safe approaches within our reach and constantly seeking raw materials and production processes with the least ecological impacts. We are always concerned about the environment and tend to maintain most regulation and encourage more eco-friendly methods. From investing in less power hungry electrical equipment to selecting products and consumables that render less waste, less harmful emissions and less contaminants. We care for our neighborhood, country and planet alike.

The ISO 14001:2015 specifies the requirements for an environmental management system that ISOTECH can utilize to enhance its environmental performance will be issued during 2022.



## Location

Our facility is located in the commercial area of Qarnayel (Baabda Province – Mount Lebanon) and about 30 Kilometers from the capital Beirut. Being literally at the center of Lebanon where any trip is less than an hour of commuting to a supplier or to a client project site. ISOTECH facility is distributed as follows: 1500m<sup>2</sup> Fabrication Area for machinery and manufacturing, 500m<sup>2</sup> of warehouse space, and 200m<sup>2</sup> of office space with an additional open area outside the facility to pre-assemble large systems and aluminum modules.



## Factory

The factory is a well ventilated and conditioned facility to sustain excellent working conditions and allow proper air flow for machinery. The distribution of machinery and work benches are carefully planned and distributed to maintain a linear flow of work activity and to avoid unnecessary interweaving motion of workers. In addition to the above, the factory has the proper high roof with ceiling cranes and truck access gates to allow moving in and out of raw materials and finished products respectively.



## Warehouse

The Warehouse area is spacious enough and each section is clearly tagged to quickly access the required materials, it is as well easily accessible by trucks to load and unload, yet highly secured and monitored by fire sensors and cameras around the clock, as well as equipped with automatic fire extinguishers and an advanced alarm system.



# Machinery

Every production organization substantially accentuates the significance of equipment and machinery utilized in their domain of work. The production process at ISOTECH is balanced between semi-automated machinery and skilled labor to ensure flawless high quality production. Constant training of operators along with machine upgrades take place every once in a while along with regular introduction of new machinery as required. Nevertheless, our engineers regularly research new machinery and machine accessories (upgrades) to handle new profiles and contemporary architectural design requirements.

The machinery at our factory comes from internationally renowned brands that are highly reputable for reliability, accuracy and effectiveness in every stage of production phase and process.



**BLITZ ALVA 500**

Double Head Sawing Machine



**VSA ACM DUO (Vertical)**

Vertical Panel Saw & Groover



**BAIHAL**

Corner Assembly Machine  
(Crimping Machine)



**CALCO**

Electropneumatic  
Copy Router



**MATISSE**

Electropneumatic  
Copy Router With  
Rotary-translation



**MISTRAL 26-26 A**

Variable Angle  
End-Milling Machine

# Staff

Every successful business gains an added value from the cumulative experience of the key personnel running the firm. This experience can be well defined as a primary asset in our scope of business.



ISOTECH constantly assesses each employee's performance, satisfaction, and feedback on regular basis in order to maintain a more productive and healthy work conditions. From time to time we implement local activities such as group training, step challenges, personal coaching, and inspirational in-house seminars.

Regarding recruitment it is an active task at ISOTECH to seek professional employees and skilled labor and encourage applicants with the adequate abilities and experience, with an open eye for leadership, teamwork, and communication potentials.



	Managers	Engineers	Clerical	Supervisors	Workers
1 Conferences	✓	✓	✗	✗	✗
2 Seminars	○	✓	✗	✗	✗
3 Workshops	✗	✗	○	✓	✗
4 Sessions (In-House)	-	○	✓	✓	✓
5 Training (In-House)	✗	-	○	✓	✓
6 Training (Outbound)	✗	✓	✗	✓	✗

- Not Applicable ✓ Yes ✗ No ○ Optional

# PROJECTS



## SECTION

B





## Mondrian Tower

Ashrafieh - Beirut

Architect: Fouad Samara Architechts

Consultant: APAVE

Developer: Alfa Tower

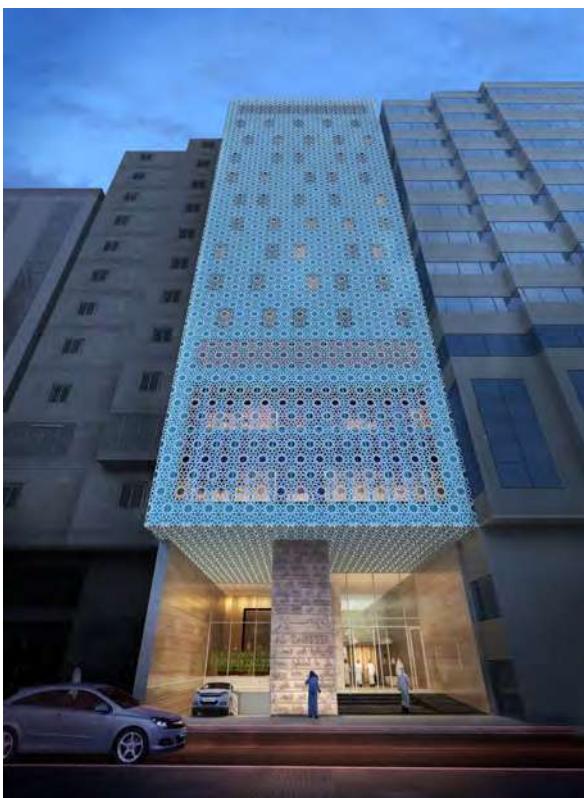
Contractor: DG Jones & Partners



## Ashrafieh 456

Ashrafieh - Beirut

Architect: Stephanie Feghali Sawan Studio



## Al-Tayseer Hotel

Mecca - KSA

Architect: Fouad Samara Architechts

Developer: AIMS Holding

Contractor: Wasamat Real Estate



## Modulofts L163

Ashrafieh - Beirut

Architect: Fouad Samara Architechts

Consultant: APAVE



**Hamra 1470**

Hamra - Beirut

Contractor: MAC Engineering and Contracting



**Dbayeh 591**

Dbayeh-Metn



**Bauchrieh 3584**

Bauchrieh-Metn

Developer: Mr. Milad Abi Saad



**MRT Tower**

Ashrafieh - Beirut

Contractor: Group 4 Engineering

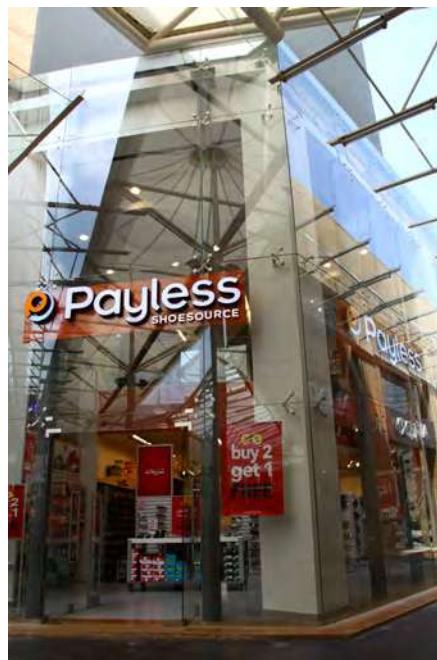


## Starbucks

Verdun

Developer: Dareen Intl Co S.A.R.L

Contractor: MAC Engineering and Contracting



## The Spot

Saida

Contractor: MAC Engineering and Contracting



## Beirut City Center

Beirut

Consultant: MAF

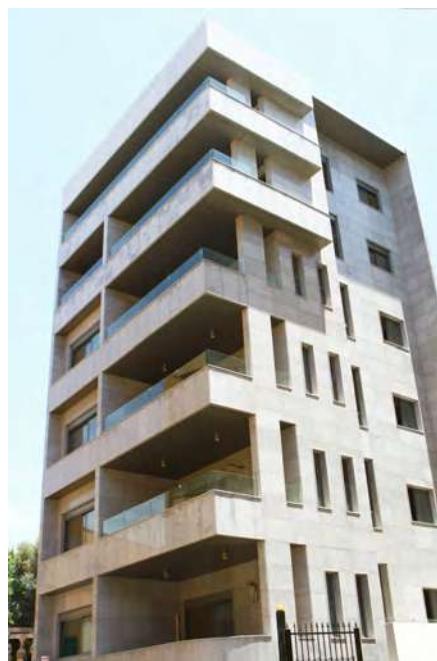
Contractor: MAC Engineering and Contracting



## HOSTEL

Mar Elias - Beirut

Consultant: Eng. Lina Abou Ali



## Louaizeh 548

Louaizeh - Baabda

Contractor: Aboul Hosn Hamad & Co.



## Haret Sakhr 1682

Haret Sakhr - Kesrwan

Developer: JN Real Estate



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### Kaslik 2489

Kaslik - Kesrwan

Contractor: MAC Engineering and Contracting



### Starbucks

Chtoura - Bekaa

Developer: Dareen Intl Co S.A.R.L

Contractor: MAC Engineering and Contracting



## Remhala 662

Remhala - Aley  
Developer: Mr. Fouad Jawhari



## St. Nicolas Restos

Ashrafieh - Beirut  
Contractor: Anelina Work



## Starbucks

Hazmiyeh  
Developer: Dareen Intl Co S.A.R.L  
Contractor: MAC Engineering and Contracting



## Saliba Building

Dbayeh - Metn  
Developer: Mr. Joseph Saliba



## Wooden Bakery

Rabweh - Metn  
Consultant: Eng. Elie Batikha  
Developer: APCO



## Federation of Higher Metn Municipalities

Hammana - Baabda  
Consultant: Eng. Youssef Sarkis

**Nachard Villa**

Chebaniyeh - Baabda

Architect: SOMA Architects

**Sultan Villa**

Keifan- Kuwait

Contractor: MNA International

Owner: Mr. Abdullah Sultan



### Obeid Villa

Shnnanier - Kesrwan

Architect: DAZ Architects

Owner: Mr. Youssef Obeid



### Rizk Villa

Ashkout - Kesrwan

Consultant: DG Jones & Partners

**Rajab Villa**

Ghazze - Bekaa

Owner: Mr. Ahmad Ragab

**Moussi Villa**

Anfeh - North

Architect: Abdallah Al Massih

Owner: Mr. Samer Moussi

**Achkar Villa**

Beit El Kiko - Mten

Architect: Ronass Design

**Jawhary Villa**

Aramoun - Aley

Architect: Riad Abo Ghanam

**Qornayel 130**

Qornayel - Baabda

Architect: Jad Abi Fadel

**Khoury Villa**

Zahle - Bekaa

Architect: Henry Franjeh Architects



## Barhoush Villa

Zahleh - Bekaa

Architect: Marc Eid

Owner: Mr. Roy Barhouch



## Sarie El deen Villa

Bzebdine - Baabda

Contractor: Eng. Walid Hilal

**Malaeb Villa**

Baysour-Aley  
Owner: Mr. Makram Malaeb

**Shnanir 431 Villa**

Shnanir - kesrwen  
Architect: Wassim Kaddoum Architects



## Bsalim 683

Bsalim - Metn

Developer: Mr. Robert Mansour



## Byakout 276

Byakout - Metn

Developer: Eng. Elie Zeinoun



## Zahleh 1678

Zahleh - Bekaa

Architect: Joseph Joanni

Developer: Mr. Gilbert Abou Monsef



## Yarzeh Pines

Yarzeh - Baabda

Consultant: SKP

Developer: HETC



## Zouk Mosbeh 16 Block A

Zouk Mosbeh - Kesrwan

Developer: JN Real Estate



## Zouk Korneh Residence

Zouk Mekael - Kesrwan

Developer: JN Real Estate



## Ajaltoun 683

Ajaltoun - Keserwan  
Developer: JN Real Estate



## Freiha Residence

Zahle - Bekaa  
Contractor: Eng Jack Ghosn  
Owner: Mr. Fouad Freiha



## Jazi Residences

Chemlan - Aley  
Developer: Mr. Adnan Jazi  
Contractor: Eng . Khaled Aboushakra



## Tarabay Residence

Eddeh - Jbeil  
Owner: Mr. Francios Trabay



## Qornayel 49 SSA

Qornayel - Baabda  
Engineer: Areej Al-Awar



## Naji Sarieddine Villa

Bzebdine - Baabda  
Owner: Mr. Naji Sarieddine

**Abou Nohra Villa**

Baabdat - Metn  
Owner: Mr. Jihad Abou Nohra

**Tohme Villa**

Kornet Al Hamra - Metn  
Developer: Eng. Nizar Al Awar  
Owner: Mr. Rami Tohme

**Moughrabi Villa**

Kfarselwan - Baabda  
Owner: Mr. Amjad Moughrabi

**Oussama Daniel Villa**

Ras El Matn - Baabda  
Owner: Mr. Oussama Daniel

**Rabih Daniel Villa**

Ras El Matn - Baabda  
Owner: Mr. Rabih Daniel

**Moedad Villa**

Bzebdine - Baabda  
Architect: Fadel Dagher Architects  
Owner: Mr. Ramzi Moedad



## Al Fahmi Villa

Badghan - Aley

Architect: Akram Shaya Architects  
Owner: Owayed Al Fahmi



## Sarkis Villa

Shebanieh - Baabda

Owner: Mr. Makram Sarkis



## Barakeh Villa

Abadiye - Baabda

Owner: Mr. Fadi Barakeh



## El Rifai Villa

Bhamdoun - Aley

Architect: Akram Shaya Architects



## Mezher Villa

Jedayel - Jbeil

Owner: Mr. Toufic Mezher



## Al Kowari Villa

Kalaa - Baabda

Owner: Mr. Ali Kowari



## Khairallah Villa

Bhamdoun - Aley  
Owner: Mr. Bechara Khairallah



## Al Nasr Villa

Hammana - Baabda  
Contractor: Manaf Trading & Contracting Co.  
Owner: Mr. Mohammad Al Nasr



## Salloum Villa

Chemlan - Aley  
Architect: Akram Shaya Architects  
Owner: Mr. Youssef Salloum



## W. Hilal Villa

Qornayel - Baabda  
Owner: Mr. Walid Hilal



## Ayache Villa

Chemlan - Aley  
Owner: Mr. Fadi Ayache



## Aboul Hosn Villa

Btekhnay - Baabda  
Contractor: Eng- Ghassan Farah



## H.Hilal Villa

Qornayel - Baabda  
Owner: Mr. Haitham Hilal



## Al Mounify Villa

Falougha - Baabda  
Owner: Mr. Mohamad Al Mounify



## Al Sobah Villa

Qobeih - Baabda  
Contractor: Mr. Karem Mezher



## HAH Villa

Btekhnay - Baabda  
Developer: Hamad Abou Hosn & Co.



## Riman Villa

Ain Zhalta - Shouf  
Architect: Akram Shaya Architects  
Owner: Mr. Souheil Riman



## Ain Alak Villa

Ain Alak - Metn  
Architect: Arch. Nouhad Al Hachem  
Contractor: Brighter Homes

# PRODUCTS



**CORTIZO**



**RCN**<sup>®</sup>  
Innovation  
in Aluminium  
Systems<sup>®</sup>

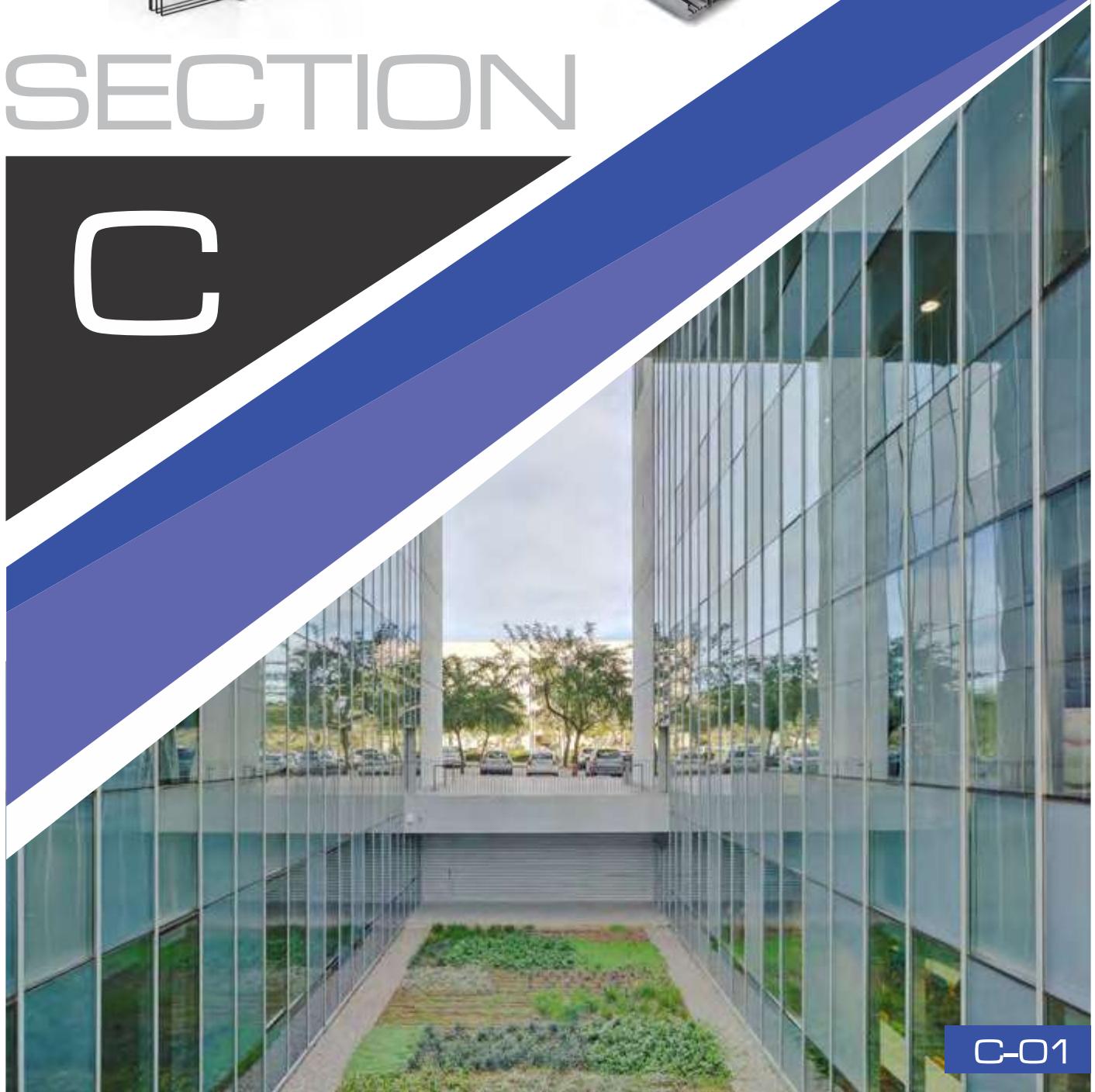


**STACBOND**



**SECTION**

**C**



**C-01**



Cortizo stands out for completing the whole manufacturing cycle of aluminum: foundry, extrusion, powder coating, anodizing, chemical brightening, CNC machining, packaging, storage and distribution. CORTIZO, is known for being the first manufacturer and distributor of aluminum and PVC systems for the architecture and industry sectors in Spain, as well as one of the sector's leading companies in Europe.

Design, innovation and quality are a common denominator in all of our more than 50 systems of windows, doors, facades, composite panel, railings and solar protection systems designed by our R & D & I department. CORTIZO systems are adjustable to any type of project: single-family and collective housing, health, industrial, offices..., any type of building!



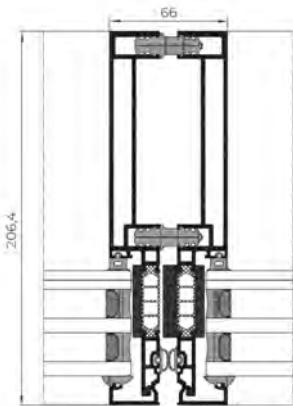
The CORTIZO Technology Center is dedicated exclusively to research, development and innovation in the building system sector, serving to more than 30 countries. With a total area of 3,175 m<sup>2</sup>, this pioneering center in Europe has the most modern and complete laboratory of tests of the sector, integrated by 8 test banks in which we are able to test and certify the properties of more than our 50 exclusive CORTIZO systems.



## Unit 66 Modular Façade

Thermally broken façade system suitable for high rise enclosure projects. This solution combines excellent performance with a wide range of custom designs.

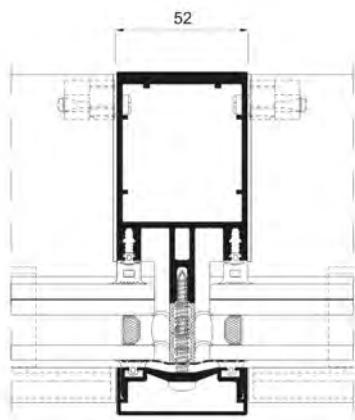
- Transmittance:  $U_{cw}$  from 0,6 ( $W/m^2K$ )



## TP-52 Façade

Fully captured façade system with a wide variety of mullions and transoms that solve the different aesthetic and constructive needs of the architectonic sector.

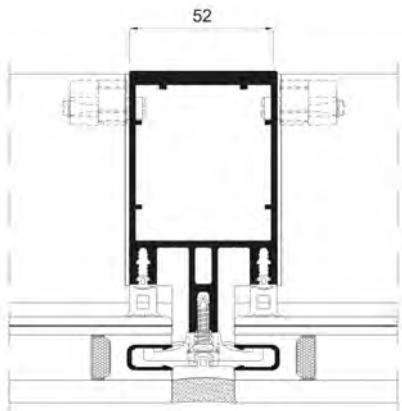
- Transmittance:  $U_{cw}$  from 0,6 ( $W/m^2K$ )



## SG-52 Façade

"Glass only" façade system with a wide variety of mullions and transoms that solve the different aesthetic and constructive needs of the architectonic sector.

- Transmittance:  $U_{cw}$  from 0,6 ( $W/m^2K$ )

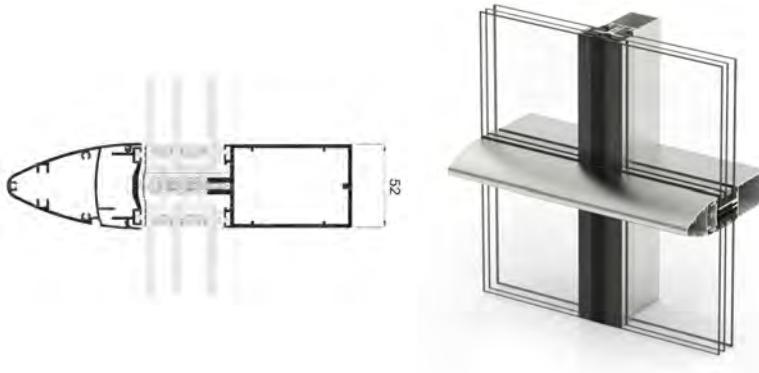


# Façade Systems

## TPH-52 Façade

Mixed system that evolved from the combination of the TP 52 and the SG 52 systems. This system highlights for its horizontal lines.

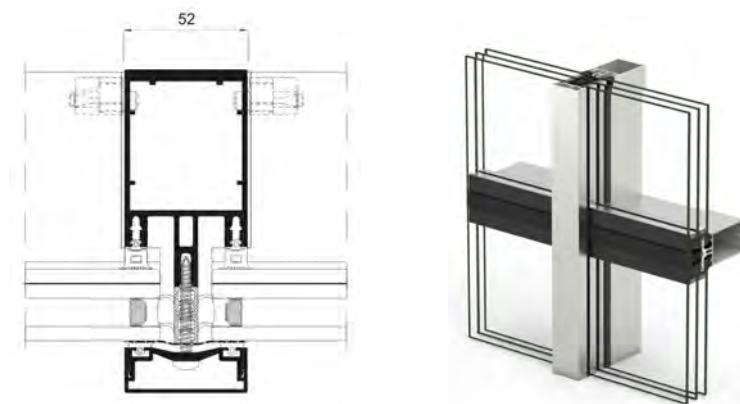
- Transmittance:  $U_{cw}$  from 0,6 ( $W/m^2K$ )



## TPV-52 Façade

Mixed system that evolved from the combination of the TP 52 and the SG 52 systems. This system highlights for its vertical lines.

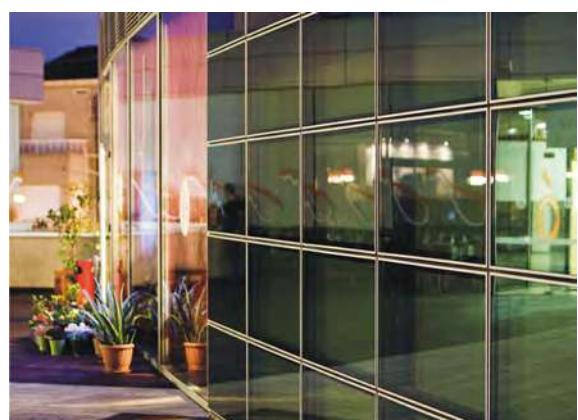
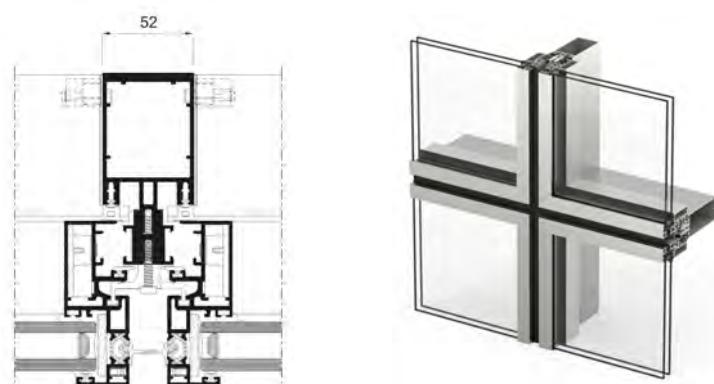
- Transmittance:  $U_{cw}$  from 0,6 ( $W/m^2K$ )



## SST-52 Façade

Wide variety of mullions and transoms that solve the different aesthetic and constructive needs of the architectonic sector.

- Transmittance:  $U_{cw}$  from 0,8 ( $W/m^2K$ )

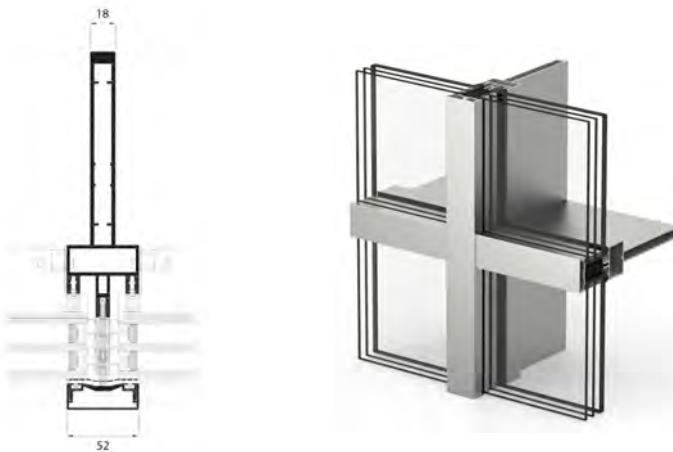


# Façade Systems

## Equity Façade

Minimalist and slim look façade system with an internal seen section of just 18 mm.

- Transmittance:  $U_{cw}$  from 0,6 ( $W/m^2K$ )



## Skylight Veranda

This skylight system allows for an easy integration of our veranda systems, our hinged windows or our sliding window/door systems with an internal section of 52 mm.

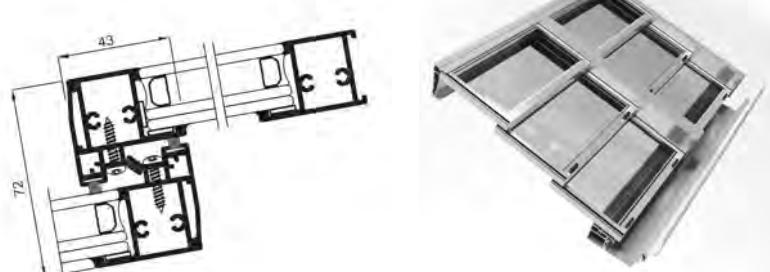
- Transmittance:  $U_{cw}$  from 0,6 ( $W/m^2K$ )



## Sliding Roof

Sliding and automatic adjustable roof system with all types of complementary profiles to facilitate water collection and drainage that guarantee total water tightness.

- Maximum Weight: 75 kg



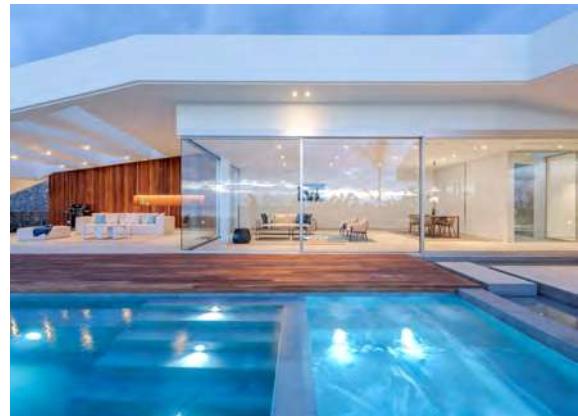
# Sliding Systems

## Cor Vision Plus

Minimalist sliding system especially suitable for large dimensions which has a slim interlock of just 25 mm.



- *Transmittance:  $U_w$  from 0,9 ( $W/m^2K$ )*
- *Max weight/sash: 400 Kg Manual / 700 Kg Motorized*
- *Max acoustic insulation:  $R_w=43$  dB*



## Cor Vision

Minimalist sliding system having a wide variety of typologies which has a slim interlock of just 20 mm.

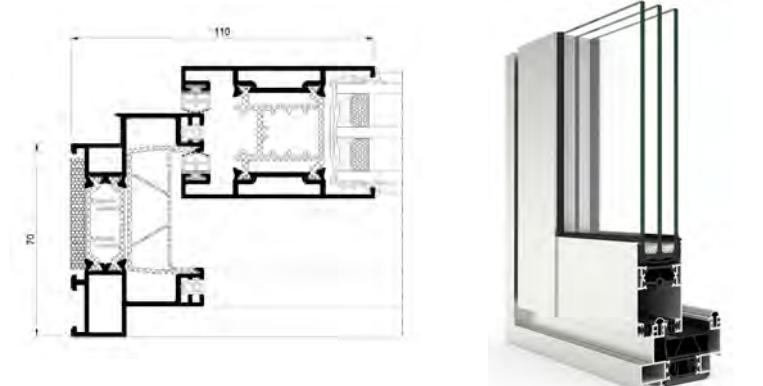


- *Transmittance:  $U_w$  from 1,3 ( $W/m^2K$ )*
- *Maximum weight/sash: 320 Kg*
- *Maximum acoustic insulation:  $R_w=41$  dB*



## Cor 4900 HI

Sliding window and door system with straight aesthetic which has a slim interlock of just 35 mm.



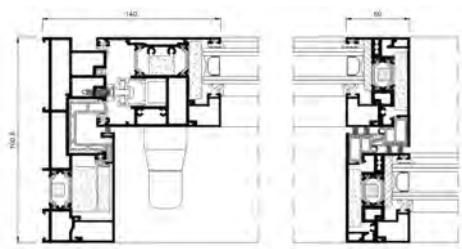
- *Transmittance:  $U_w$  from 1,2 ( $W/m^2K$ )*
- *Maximum weight/sash: 240 Kg*
- *Maximum acoustic insulation:  $R_w = 40$  dB*



# Sliding Systems

## Cor 4600 HI Lift & Slide

Lift and slide door system that exhibits the best performance with a possibility of 2 interlocks: 110mm (standard) and 50mm (minimalist solution).

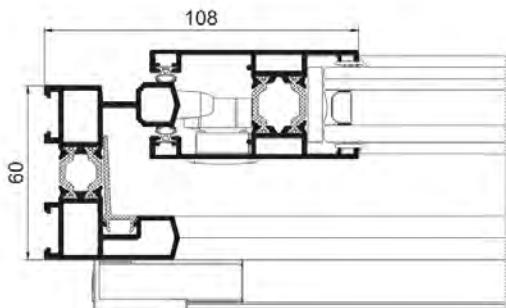


- Transmittance:  $U_w$  from 0,9 ( $W/m^2K$ )
- Maximum weight/sash: 400 Kg
- Maximum acoustic insulation:  $R_w = 43$  dB



## Cor 4200

A versatile sliding system with a thermal bridge.

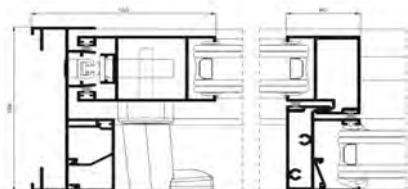


- Transmittance:  $U_w$  from 1,5 ( $W/m^2K$ )
- Maximum weight/sash: 200 Kg
- Maximum acoustic insulation:  $R_w = 39$  dB

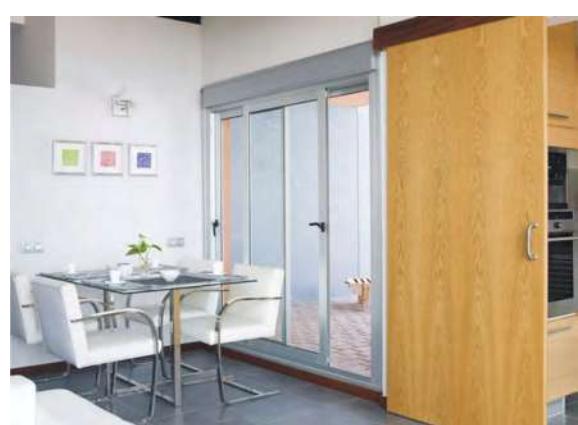


## Cor 6500 Plus

Non thermal Sliding Window System.



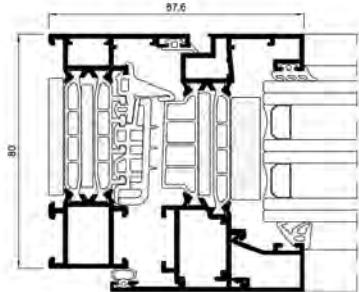
- Transmittance:  $U_w$  from 2,2 ( $W/m^2K$ )
- Maximum weight/sash: 240 Kg
- Maximum acoustic insulation:  $R_w = 36$  dB



## Hinged Systems

### Cor 80 Industrial

Hinged system that responds to the most severe climatic requirements thanks to its thermal break with 45 mm tubular polyamide strips.

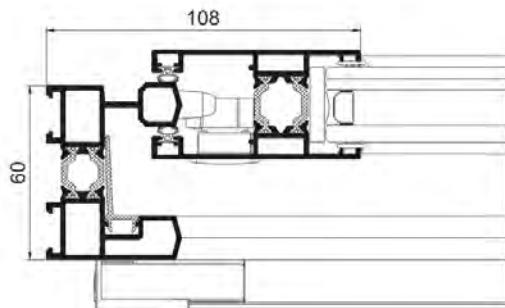


- *Transmittance:  $Uw \geq 0.8 \text{ (W/m}^2\text{K)}$*
- *Maximum weight/sash: 160 Kg*
- *Maximum acoustic insulation:  $Rw$  up to 46 dB*



### Alu-Steel

Inspired by classic line designs, this new system allows to combine aluminum outstanding performance values with a steel-alike appearance.



- *Transmittance:  $Uw \geq 0.83 \text{ (W/m}^2\text{K)}$*
- *Maximum weight/sash: 160 Kg*



### Cor 70 Hidden Sash (Invisible Arch)

Hinged system that minimizes the aesthetic impact of the window components with the incorporation of the arch invisible handle, concealed hinges and the drainage solution.



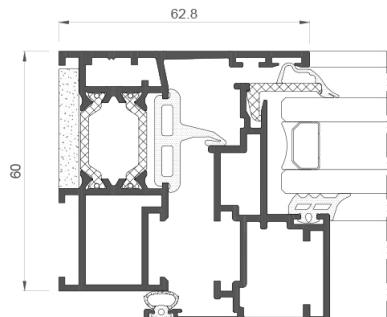
- *Transmittance:  $Uw \geq 1.0 \text{ (W/m}^2\text{K)}$*
- *Maximum weight/sash: 160 Kg*
- *Acoustic insulation:  $Rw$  up to 46 dB*



# Hinged Systems

## Cor 60 Hidden Sash

Hinged system that allows for more glazed surface with minimal avant-garde projects.

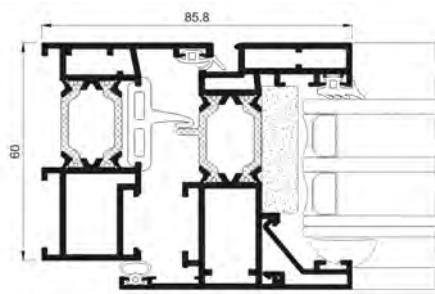


- *Transmittance:  $Uw \geq 1.5 \text{ (W/m}^2\text{K)}$*
- *Maximum weight/sash: 160 Kg*
- *Acoustic insulation:  $Rw$  up to 41 dB*

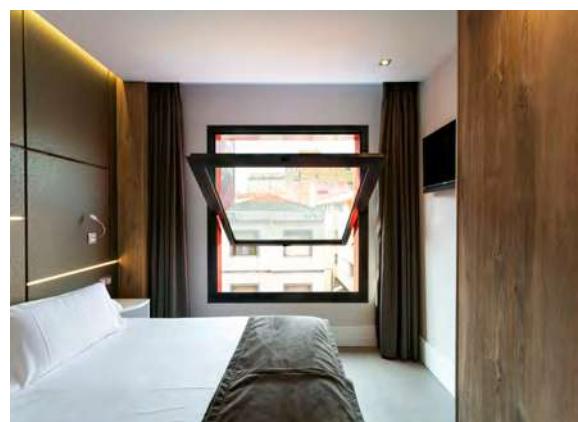


## Cor 60

Hinged system with 60 mm of frame depth, featuring 24 mm polyamide strips, which provides a notable thermal and acoustic comfort.

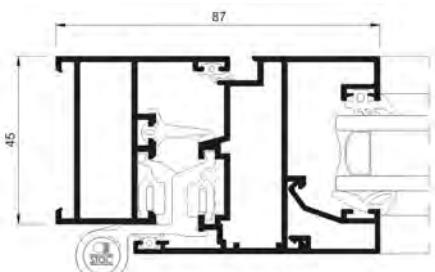


- *Transmittance:  $Uw \geq 1.0 \text{ (W/m}^2\text{K)}$*
- *Maximum weight/sash: 160 Kg*
- *Acoustic insulation:  $Rw$  up to 48 dB*



## Cor 2000

Non-thermal hinged system with exceptional rigidity and durability.

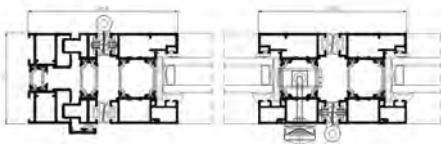


- *Transmittance:  $Uw \geq 1.8 \text{ (W/m}^2\text{K)}$*
- *Maximum weight/sash: 120 Kg*
- *Acoustic insulation:  $Rw$  up to 39 dB*



## BI-Fold

Folding door with possibility of either even or odd number of sashes and up to 14 sashes outside and inside opening.

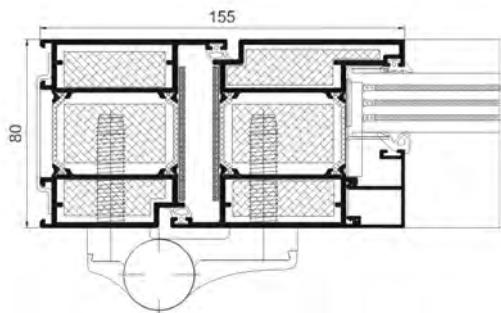


- *Transmittance:  $U_w$  from 1.1 ( $W/m^2K$ )*
- *Maximum weight/sash: 120 Kg*



## Millennium FR

Fire resistant door system of category EI60 having Retardant insulation materials that do not combust in the profile chambers.

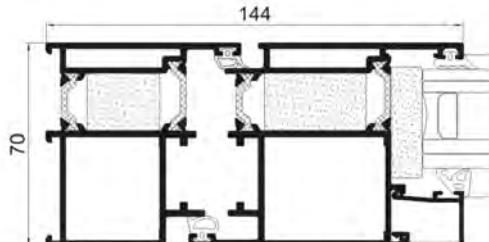


- *Transmittance:  $U_w$  from 1.4 ( $W/m^2K$ )*
- *Maximum weight/sash: 240 Kg*
- *Acoustic insulation:  $R_w = 38 dB$*



## Millennium Plus 70

Coplanar door entry system with straight lines and frame depth of 70 mm having a resistance to repeated openings and closings (EN 1191:2000) : 1.000.000 cycles.

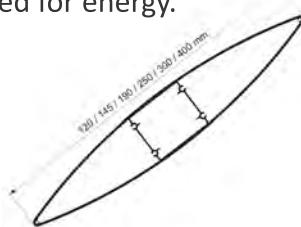


- *Transmittance:  $U_w$  from 0.9 ( $W/m^2K$ )*
- *Maximum weight/sash: 220 Kg*
- *Acoustic insulation:  $R_w = 38 dB$*



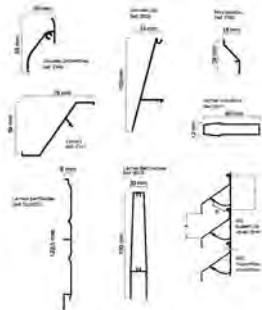
## Solar Protection Louvres

A Solar protection system, that allows the light to be regulated by creating shaded zones which reduces the need for energy.



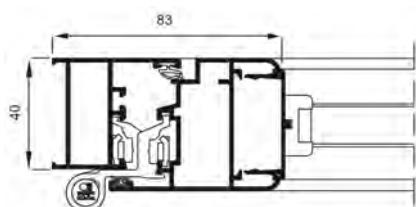
## Decorative Louvres

Extruded aluminum decorative louvres.



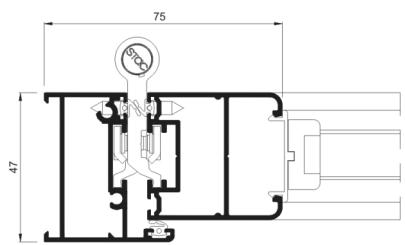
## Mallorquina

Traditional hinged shutter system with a possibility of adjustable strips.



## Tamiz

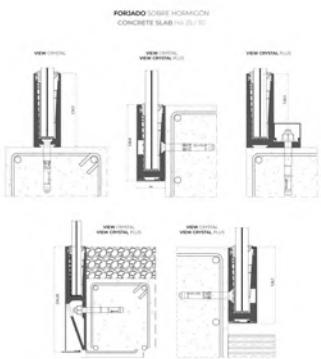
Allows for sliding and folding shutter systems.



# Balustrade System

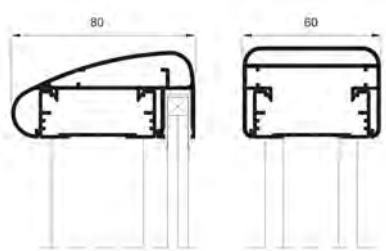
## View Crystal Balustrade

Minimal Balustrade system with a state of art design.



## Classic Balustrade

Minimal Balustrade system with a state of art design.



## Juliet balcony

Complimentary Solution bound to be placed using concealed Fixing



**Handles**


Standard Handle

Minimalistic Handle

Offset Handle

Cremone with key

Extractable Cremone



Arch Invisible

Lift &amp; slide handle

Vision Security Locking System

Hinges HD



0°



90°



180°



Logical Maneuver Hardware


**Evo Soft Hardware**  
 (Standard / CLX 160 KG / Security)

**Finishes**


Anodizing



Powder Coating



RCN-Innovation in Aluminum Systems, Lda is a company dedicated to the creation, development, production and installation of minimalist aluminum systems for architecture, innovative in design and functionality.

In 2016, it presented the brand of minimalist systems EXPansion to the market. The functional design and reliability of the solutions presented by the EXPansion minimalist systems, allow you to be present in 21 countries in 2020 and have more than 500 completed projects already being a reference in the national and international market.



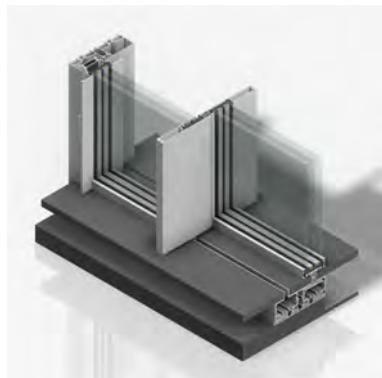


## Minimal Sliding Façade

### **EXP 54 HR**

A premium minimal sliding system for extra large dimensions.

- Thermal Insulation: 0.8-1.2 (w/m<sup>2</sup>k)
- Acoustic Insulation: Up to 41 dB
- Maximum weight / Leaf: 1000 kg
- Maximum height / Leaf: 6000mm
- Maximum Area / Leaf: 18m<sup>2</sup>



## Vertical Slider

### **EXP G**

A vertical upright sliding system.

- Thermal Insulation: 1.0-1.7 (w/m<sup>2</sup>k)
- Acoustic Insulation: Up to 41 dB
- Maximum weight / Leaf: 600 kg
- Maximum height / Leaf: 5000mm
- Maximum Area / Leaf: 12m<sup>2</sup>



## Minimal Pivot Door

### **EXP-P**

A minimal pivoting door suitable for large dimensions.

- Thermal Insulation: 1.0-1.7 (w/m<sup>2</sup>k)
- Acoustic Insulation: Up to 41 dB
- Maximum weight / Leaf: 500 kg
- Maximum height / Leaf: 5000mm
- Maximum Area / Leaf: 10m<sup>2</sup>



# STACBOND

Sistemas Técnicos del Accesorio y Componentes S.L. (STAC®) is a company specialising in solutions for building envelopes and facades. For more than 18 years STAC® products have been selected by architects, developers and builders all over the world thanks to their quality, commitment and guarantee. This extensive geographical coverage has enriched our product range.

The choice of STAC® products is synonymous with leading edge design, optimum performance and reliability, offered only by market-leading companies.



## STAC

Design and manufacture of architectural products



Outreach  
**70 countries**



R+D+I  
**6 technical offices**



Specialisation  
**80 engineers**



Internationalisation  
**5 delegations**



Infrastructure  
**120,000 m<sup>2</sup>**



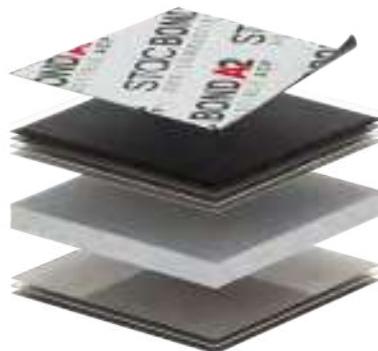
Staff  
**+500 employees**

# STACBOND

Aluminum Composite Panels

## STACBOND A2 (Non Combustible)

Non Combustible composite panel with a mineral core that meets the highest fire classification standards.



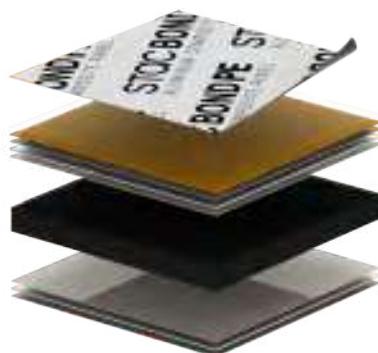
## STACBOND FR ( Fire Retardant)

Fire retardant composite panel with a thermoplastic core with a mineral charge.



## STACBOND PE

Aluminum Composite panel with a polyethylene core that stands out for its lightness and ease of transformation.



## Featured Suppliers



## Other Suppliers



DOW CORNING



# REFERENCES

## SECTION



D



# Reference List

## Consultants

- MAF
- DG Jones & Partners
- APAVE
- Samir Khairallah and Partners
- Rafik El-Khoury and Partners

## Architects

- Fouad Samara Architects
- Stephanie Feghali Sawan Studio
- SOMA Architects
- Henry Franjieh Architects
- DAZ Architects
- Fadel Dagher Architects  
(Dagher Hanna & Partners Architects)
- Jad Abi Fadel
- Ronass Design
- Akram Shayya Architects
- Riad Abou Ghannam Architects
- Wassim Kaddoum Architects
- Abdallah Al Massih
- Joseph Joany
- Nouhad Al Hachem

## Developers

- Dareen Intl CO S.A.R.L.
- APCO
- AIMS Holding
- HETC
- Rise Properties
- Zardman
- Alfa Tower
- JN Real Estate
- Mr. Robert Mansour
- Mr. Gilbert Abou Monsef
- Mr. Joseph Saliba
- Mr. Fouad Jawhari
- Mr. Milad Abi Saad
- Mr. Adnan Jazi
- Eng. Elie Zeinoun

## Contractors

- Khoury Engineering & General Contracting
- BUTEC
- MAC Engineering & Contracting
- Ashada SAL
- Anelina Work
- Wasamat Real Estate
- Hamad Aboul Hosn & Co
- Group 4 Engineering
- MNA International
- Manaf Trading & Contracting Co. S.A.R.L
- Brighter Homes

## Engineers

- Eng. Elie Battikha
- Eng. Youssef Sarkis
- Eng. Jack Ghosn
- Eng. Khaled Abou Shakra
- Eng. Walid Hilal
- Eng. Ghassan Farah
- Mr. Karem Mezher
- Eng. Nizar Al Awar
- Eng. Lina Abou Ali
- Eng. Areej Al Awar



# CERTIFICATIONS

## SECTION

E





BUREAU  
VERITAS

# Bureau Veritas Certification

## ISOTECH CO

ISOTECH BUILDING, MAIN STREET, QORNAYEL, BAABDA - LEBANON

*Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below*

### ISO 9001:2015

#### *Scope of certification*

DESIGN, FABRICATION, ASSEMBLY AND INSTALLATION OF ALUMINUM GLASS AND METAL WORKS

Original cycle start date:	10-06-2021
Expiry date of previous cycle:	NA
Certification / Recertification Audit date:	15-05-2021
Certification / Recertification cycle start date:	10-06-2021
Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on:	09-06-2024

Certificate No.: LB001902 Version: 1 Issue Date: 10-06-2021



0008

*Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom*

*Local Office: Bureau Veritas Liban SAL - Dedeyan Center 9th Floor - Dora - Lebanon*

*Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: 961 1 240540/640*



Padrón (Spain), 28th of October 2019

Dear Sirs:

I would like to state that the Company; ISOTECH CO, registered in CR 2002132, KORNAYEL-METN, BAABDA (LEBANON) with registration number; 519375-601 is authorized as Cortizo Installer for windows, doors, curtain wall and composite panel fabrication and installation.

Furthermore, ISOTECH CO, has passed a series of training courses in our facilities in Spain, as well as audits, which guarantee their quality and efficiency.

For all of this reasons we suggest ISOTECH CO as fabricator of our systems.

Yours Faithfully



CORTIZO GENERAL MANAGER; MR. DANIEL LAINZ

# ATTACHMENTS

SECTION

F



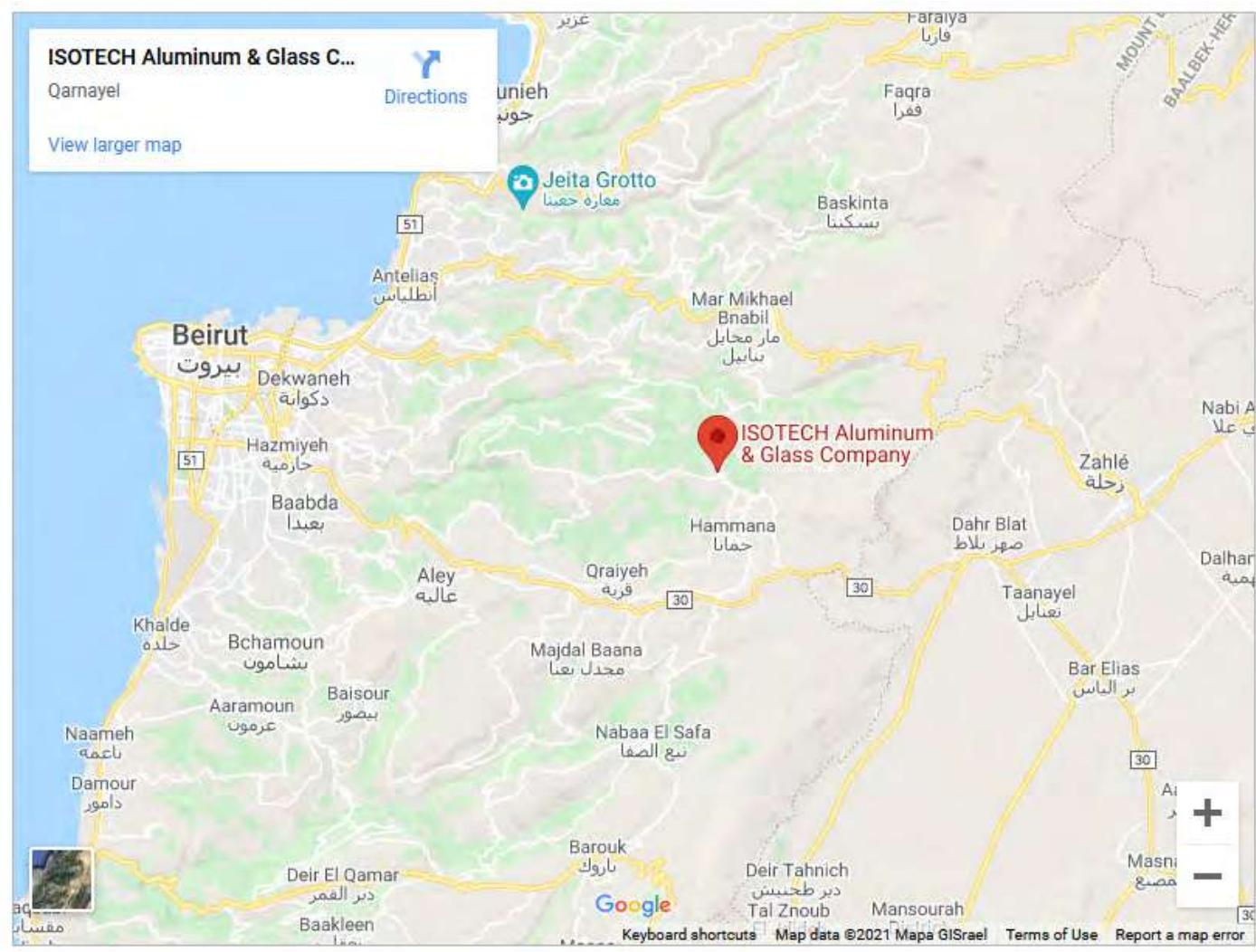
# CONTACT INFORMATION

## SECTION

# G



# Contact Information



**Address:** Qarnayel, Main Road  
Mount Lebanon, Lebanon.

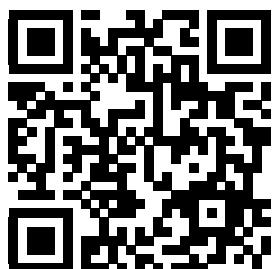
**Mobile:** +961 70 868 904  
**Phone/Fax:** +961 5 361 393 / 4

**E-Mail:** info@isotechlb.com

**Website:** www.isotechlb.com

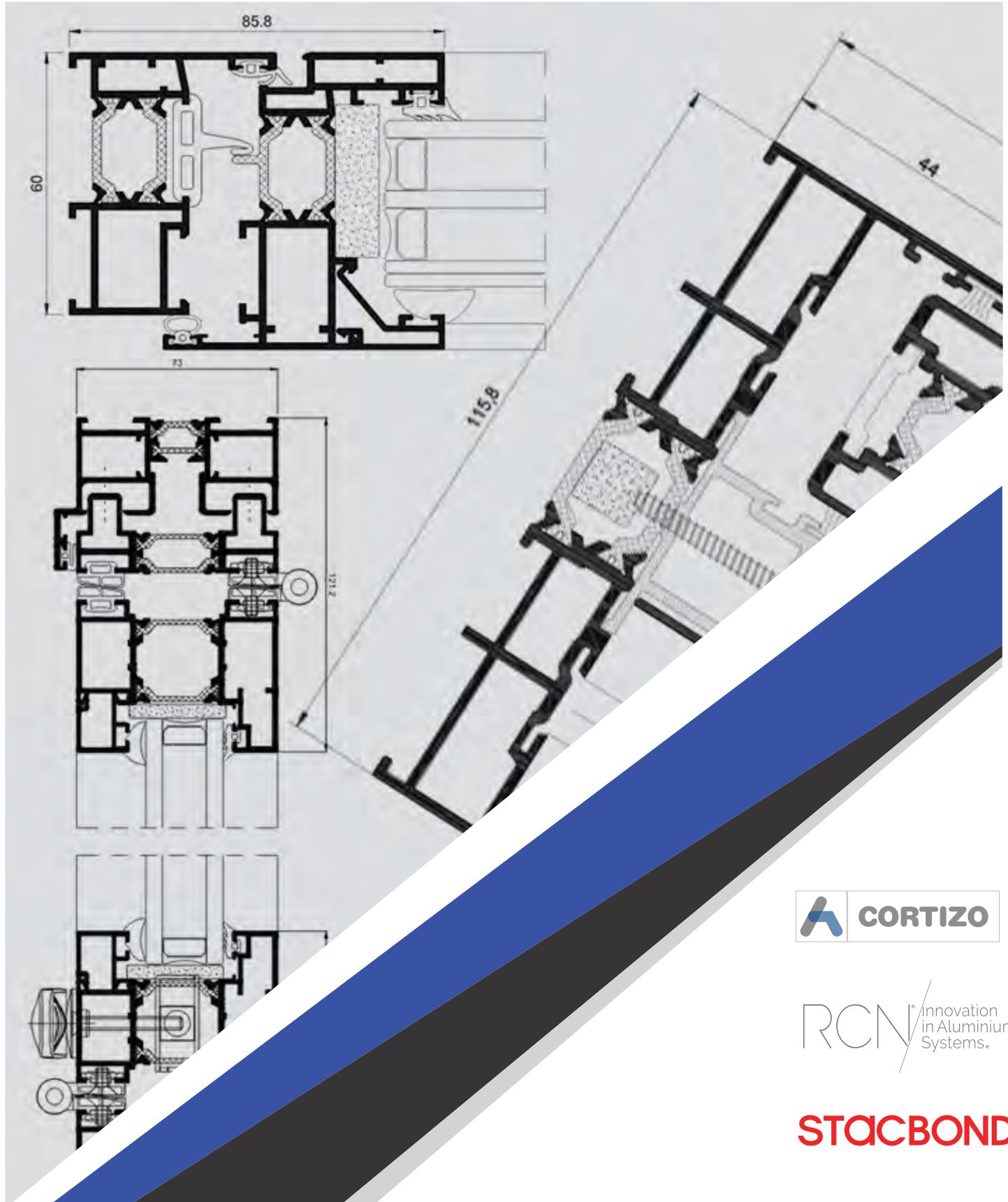
**Coordinates:** N 33° 50' 51.44" E 35° 43' 37.89"  
**GPS (Decimal):** +33.847623° +35.727192

Scan QR Code  
for Quick Directions



## Social Media

- isotechlb**
- isotech\_lebanon**
- isotech-co**



RCN<sup>®</sup> Innovation  
in Aluminium  
Systems.

**STACBOND**



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