



SPACIO FORMA

BUILDING ENVELOPES · 2026

Façade engineering and construction

Design, engineering, fabrication and installation of
bespoke envelopes - from specialist solutions to
major international projects.

GENERAL CATALOGUE

The envelope is the point where architecture becomes performance.

We see it not as a sum of products, but as a complete system: form, structure, energy, water, air, light, material and execution coordinated from the very first detail.

Our role is to preserve the architectural intent and transform it into a solution that can be fabricated, verified and built with rigour.



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Three scales of response. One point of responsibility.



01

SPACIO FORMA

Technical integration

Complete façade and enclosure solutions for new-build, refurbishment and bespoke projects fabricated in Spain.

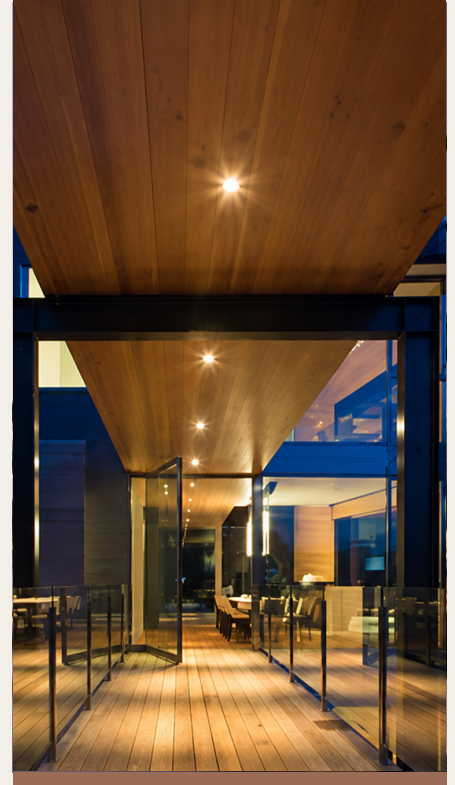


02

LARGE-SCALE PROJECTS

Spacio Forma x Singyes

Engineering, industrial fabrication and supply chain for large-scale, high-volume building envelopes, delivered with Singyes, manufactured in China.



03

FACADE ATELIER

Spacio Forma x Capoferri

Exceptional solutions in noble materials such as bronze, stainless steel, timber and glass, developed through craft, precision and Italian fabrication.

We integrate what the project needs - not what a catalogue dictates.

01 Design

Project analysis and system definition. 3D prototype for advance validation.

02 Engineering

Calculation, detailed design, construction details, BIM methodology and technical documentation for each project.

03 Procurement

Material and manufacturer selection, with quality and cost control.

04 Fabrication

Own workshop, Italian partners for exclusive products, or industrial scale in China for major façade projects.

05 Installation

Logistics, site works and coordination and safety.

06 Handover and aftercare

Testing, handover, maintenance and traceability.

One coherent solution from concept through to on-site execution.

We design before we fabricate.

Early involvement reduces interfaces, anticipates risks and turns architectural intent into a technically and commercially viable strategy.

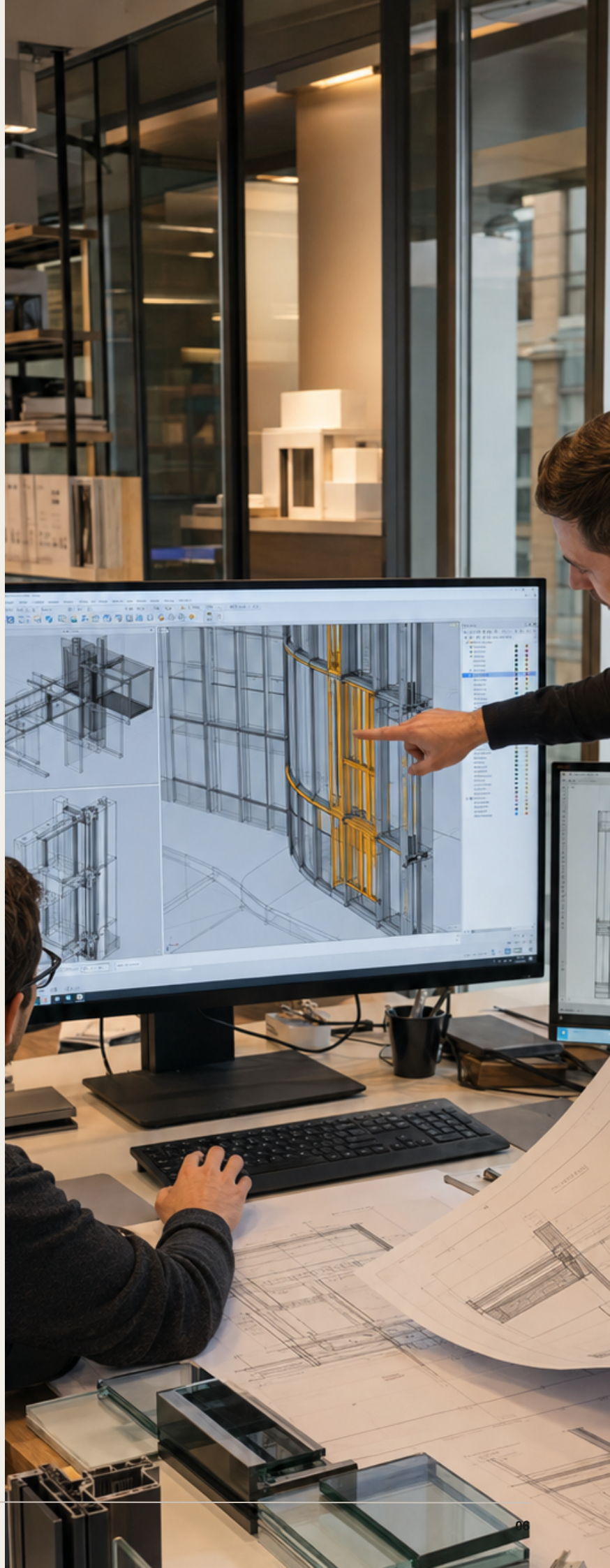
System selection and design

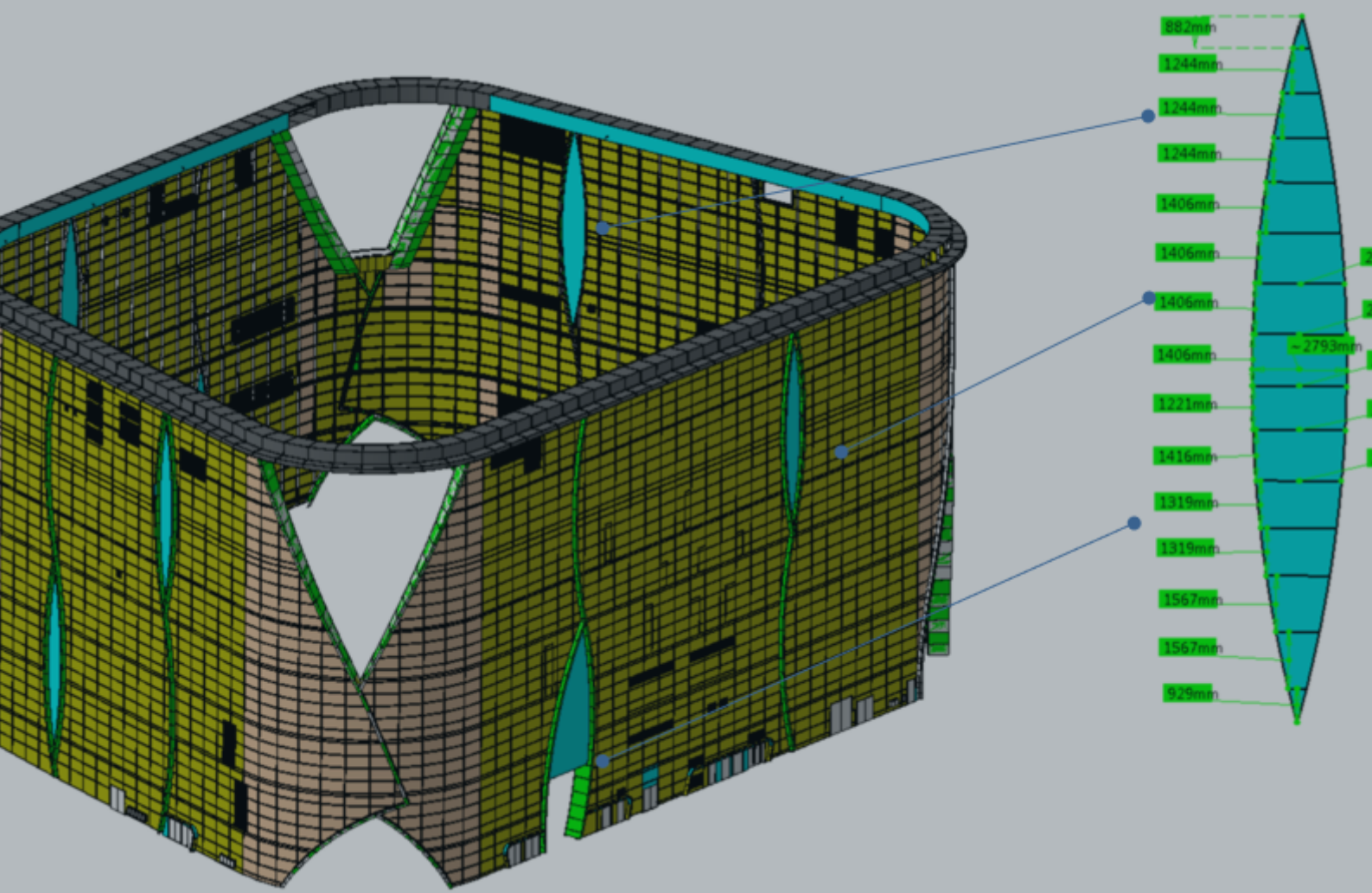
Structural and thermal calculation

Construction details and shop drawings

Value engineering without losing design

Visual and technical mock-ups





DIGITAL CONTINUITY

Information follows each component through installation.

BIM + parametric

Modelling, coordination, families, complex geometry and control of interfaces.

Rationalisation

Modulation, intelligent repetition, waste reduction and material optimisation.

Direct-to-fabrication

Drawings, schedules, machining and data prepared for production and traceability.

Testing comes before production.



01 Visual mock-up

Form, proportion, joints, finish and architectural expression.

02 Performance mock-up

Air, water, wind, deflection and thermal performance.

03 Production control

Receiving, machining, assembly, sealing, protection and packaging.

04 Reference sample

A physical benchmark to validate series production and installation.



FABRICATION · LOGISTICS · INSTALLATION

The industrial strategy adapts to the project.

Fabrication in Spain and Italy for European systems. Large-scale production capacity in China for high-volume projects and demanding programmes. The same documentary and control discipline applies in both cases, under Spacio Forma's supervision.

Site sequencing

Zone-based packaging

Just-in-time transport

Unit traceability

Detail is proven during installation.



Planning

Teams, equipment, access, storage areas and sequences coordinated with the site.

Safety

Construction method, training, supervision and a culture of prevention.

Quality control

Inspections, hold points, seals, tolerances and documented close-out.

Handover, maintenance and ongoing support complete the cycle.

The complete envelope, resolved as a single system.

We combine multiple systems, materials and leading manufacturers to provide each project with a coherent, high-quality and buildable solution.

Transparency, watertightness and tolerances under control.



Modular / unitized

High prefabrication, workshop control, rapid installation and repeatable performance.

Stick / semi-modular

Geometric flexibility, site adaptability and precise interface resolution.



WINDOWS AND DOORS

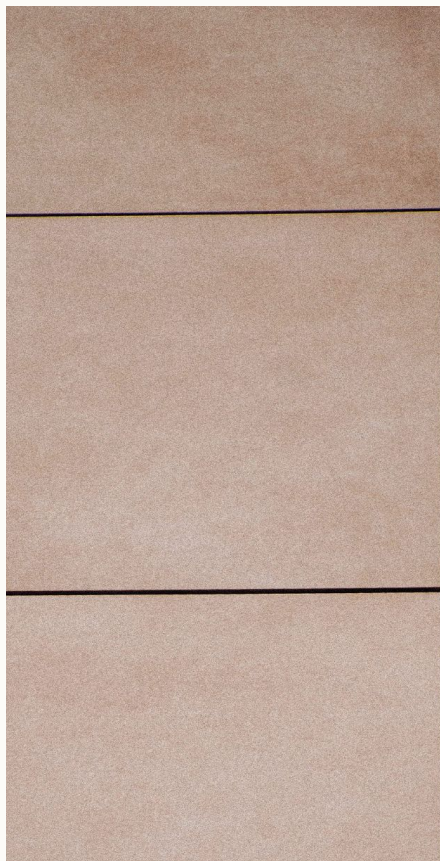
Openings mediate between interior, climate and façade.

We integrate aluminium, steel, PVC and timber frames, as well as hybrid solutions; casement, sliding, lift-and-slide, pivoting, folding and large-format systems.

- Thermal performance
- Acoustics
- Weathertightness
- Security
- Hardware
- Automation



One subframe. Multiple material expressions.



Minerals

Ceramic · Sintered stone ·
Natural stone

Metals

Aluminium · steel · meshes
and perforated panels

Composites

Solid surface · HPL · GRC

We design anchors, subframes, joints, interfaces and installation sequences as an integral part of the system.



SOLID SURFACE AND COMPOSITES

Continuous skin Free-form geometry.

Machined, thermoformed or modular panels for rainscreen façades, secondary skins and three-dimensional volumes.

Parametric design

Panel-layout optimisation

Concealed fixings

The façade regulates light, energy and perception.



Solar shading

Fins, blades, screens, meshes and perforated panels.

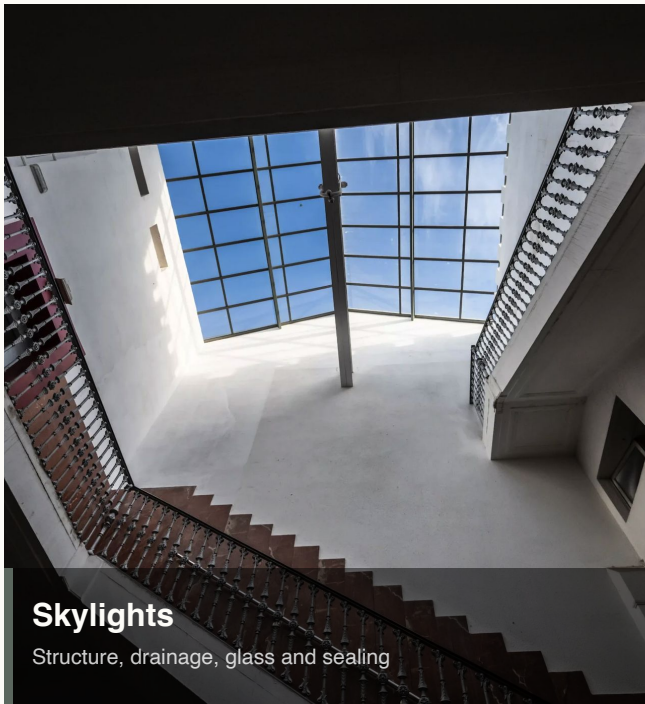
Double skin

Ventilated cavities, maintenance, acoustics and comfort.

Active façade

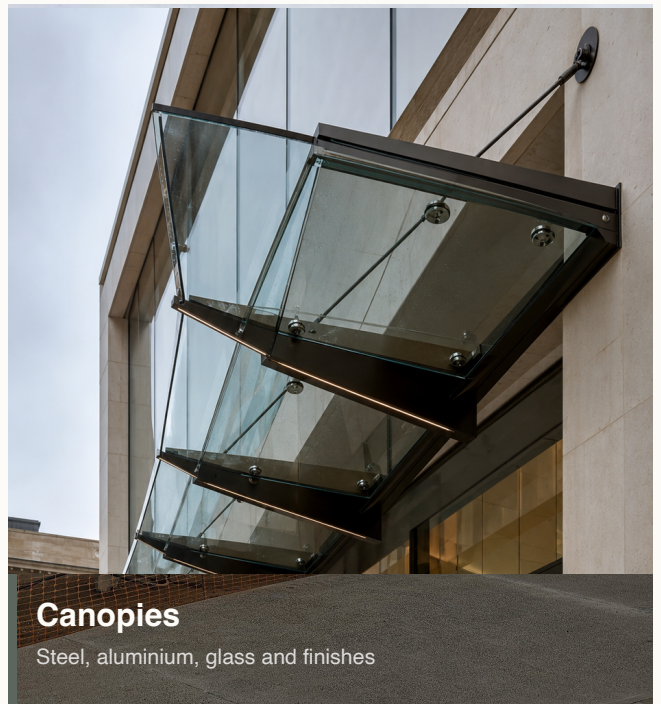
Photovoltaic integration, technical glass and automated control.

Continuity also at the most visible interfaces.



Skylights

Structure, drainage, glass and sealing



Canopies

Steel, aluminium, glass and finishes



Special glass

Façades, atria and roofs with complex geometry

- Balustrades and guardrails
- Structural and point-fixed glass
- Interior glazing and partitions
- Entrances and access systems
- Lightweight roofs
- Interfaces between systems



THERMAL REFURBISHMENT

Upgrade performance and preserve identity.

Replacement of windows and glazing, new rainscreen skins, ETICS, solar control and seal repairs to extend the building's service life.

Diagnosis · compatibility ·
sequencing · minimum impact

SPACIO FORMA × SINGYES

Global industrial capacity. Local technical control.

An integrated delivery platform for towers, residential complexes, hotels, airports and public buildings with large façade areas.

Scale does not replace control: it amplifies it.



SPACIO FORMA (Spain)

Interface with the client and project in Spain/Europe. Technical development, regulatory coordination, planning, site works and follow-up.



SINGYES (China)

International engineering, major industrial production capacity and the ability to supply large volumes within demanding programmes, with quality control and experience delivering major building envelopes worldwide.

A coordinated proposal: design, cost, fabrication, logistics and installation through a single point of contact.



PRODUCTION CAPACITY

Scale engineered to absorb large and complex projects.

170,000 m²

Zhuhai industrial park

75,000 m²

Fabrication area

500,000 m²/year

Curtain-wall capacity

150,000 m²/year

Window and door capacity

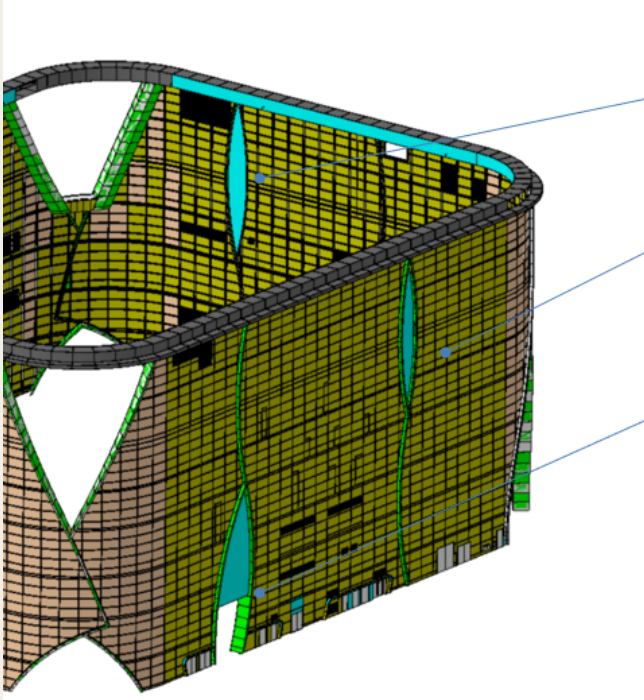
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Unitized curtain-wall lines

4

Window and door lines

Capacity matters when precision is maintained.



DESIGN

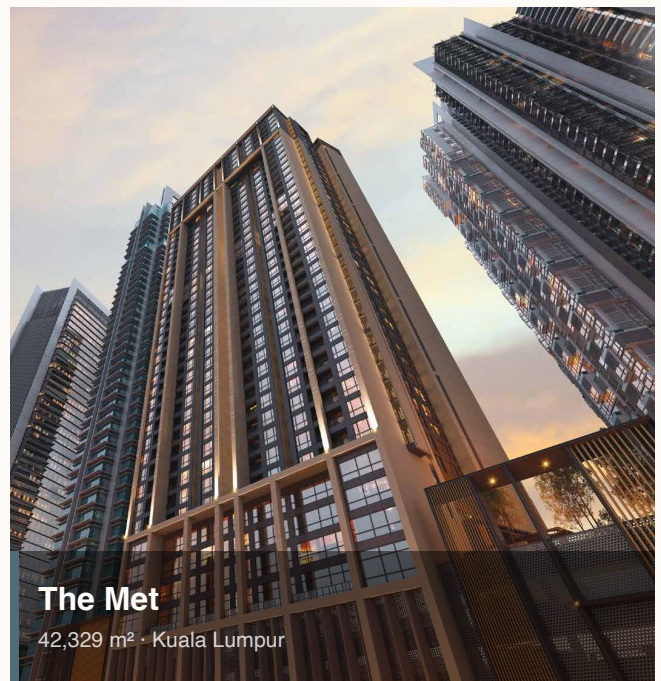
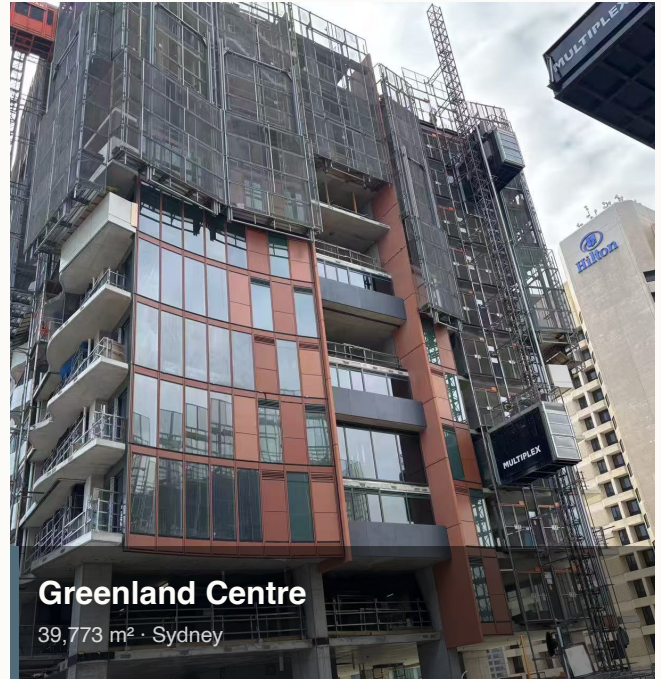
- **≈100 professionals for international projects**
- **System design and structural calculation**
- **BIM, shop drawings and fabrication**
- **Cost planning and project management**

QUALITY

- **ISO 9001:2015**
- **ISO 14001:2015**
- **ISO 45001:2018**
- **ITP/FQP and project-specific procedures**

Incoming material, process, assembly, sealing, protection and packaging controlled before dispatch.

International experience across different typologies and scales.



Unitized curtain wall · solar shading · cladding · specialist glass · roofs · balustrades

SPACIO FORMA × CAPOFERRI

When the project demands a truly unique response.

Architecture, engineering and Italian craftsmanship for exclusive windows, doors, façades and special elements fabricated in noble materials.

Creative freedom supported by technical expertise.



Capoferri has designed and fabricated architectural envelopes since 1894. Its craft tradition combines engineering, prototyping, automation and high-precision industrial production.

130+

years of research, craft
and bespoke
fabrication

Facade Atelier brings this capability to the project through local coordination, integration with the rest of the envelope and on-site follow-up.

Noble materials that gain character over time.



Bronze

Hand-applied patina, high strength and potential for restoration.



Stainless steel

AISI 304/316, slender profiles, strength and satin finishes.

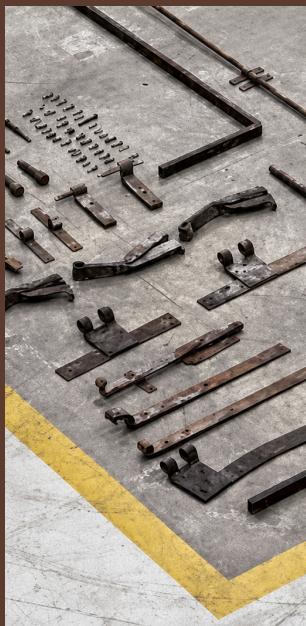


Selected timbers

Oak, mahogany, cedar and teak treated for stability and durability.

Material is selected for context, performance and tactility; the system is then designed around it.

Specialist engineering. Fabrication grounded in workshop craft.



HISTORIC HARDWARE
RESTORATION



PRECISION INDUSTRIAL
FABRICATION



FACTORY ASSEMBLY



SPECIALIST INSTALLATION

01 Design assist

Solution developed in dialogue with architects, contractors and end clients from the outset.

02 Prototyping

Mock-ups, mechanism testing and material verification.

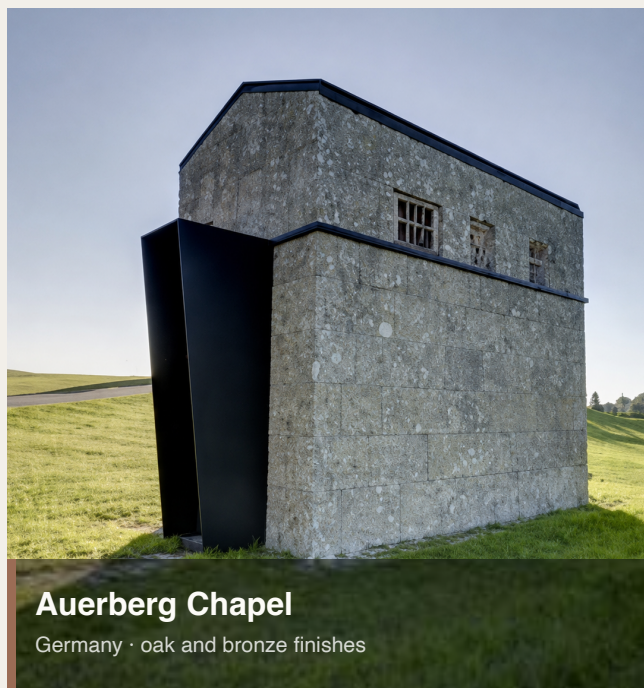
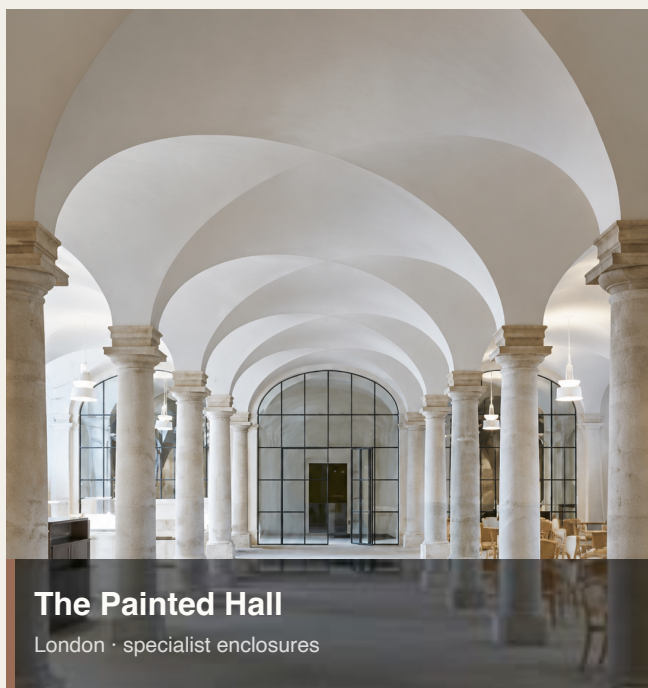
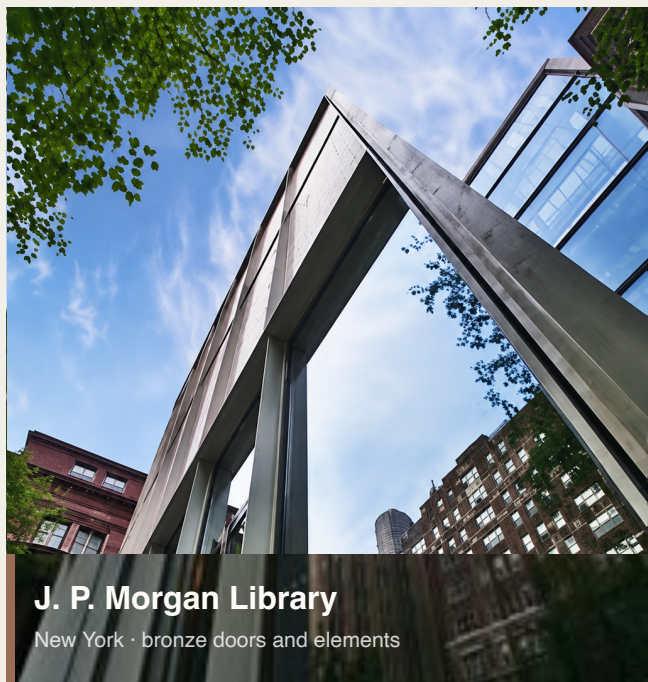
03 Dry-fit

Complete pre-assembly to reduce on-site work.

04 Client support

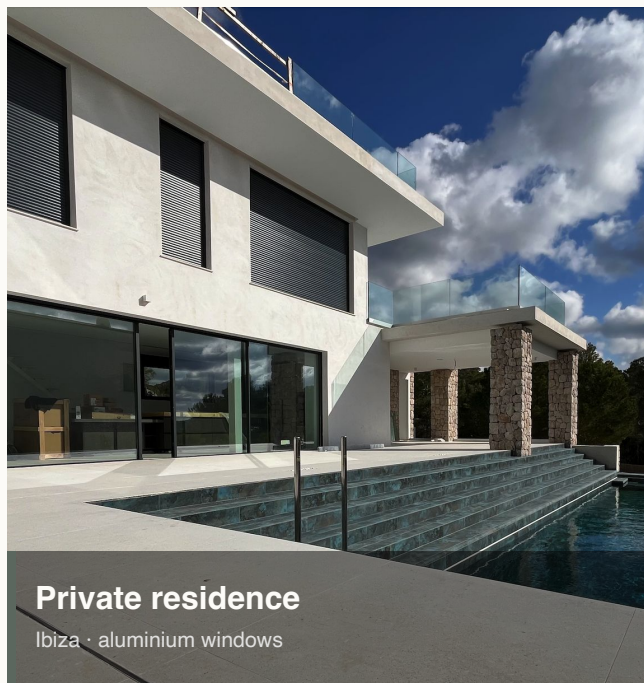
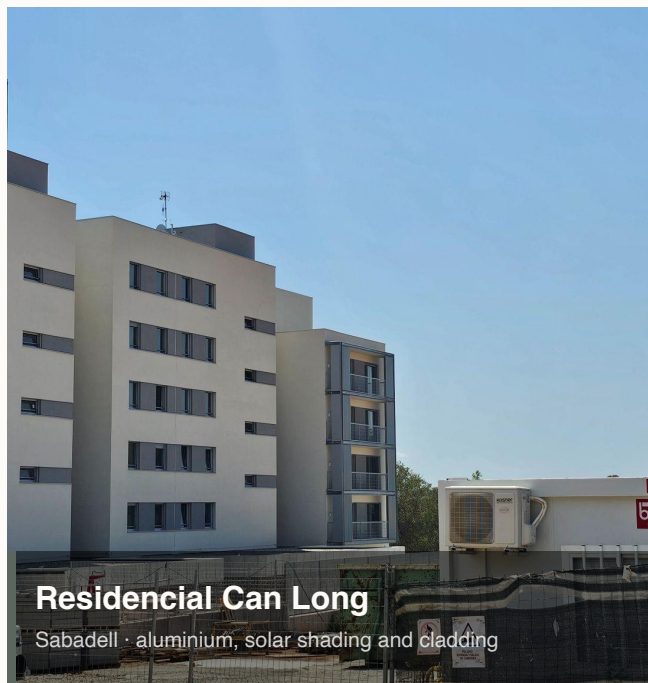
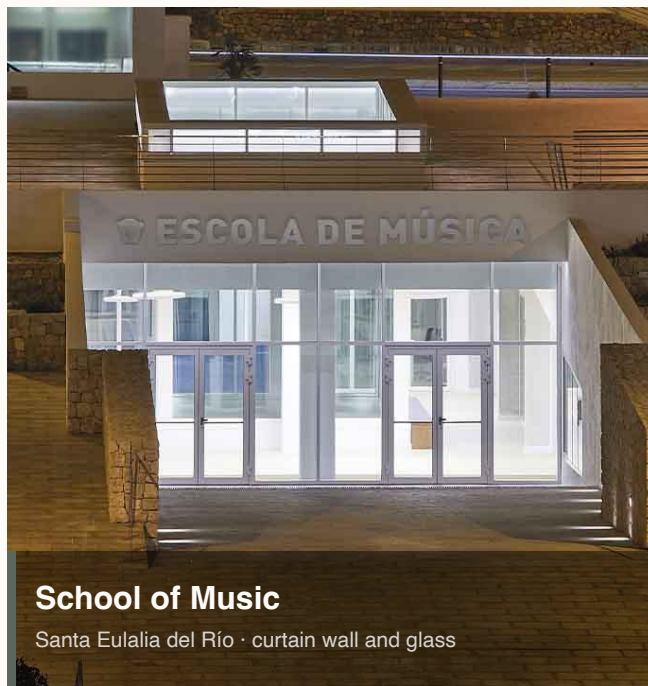
Specialist installation, maintenance and technical support.

Heritage, culture and demanding residential projects.



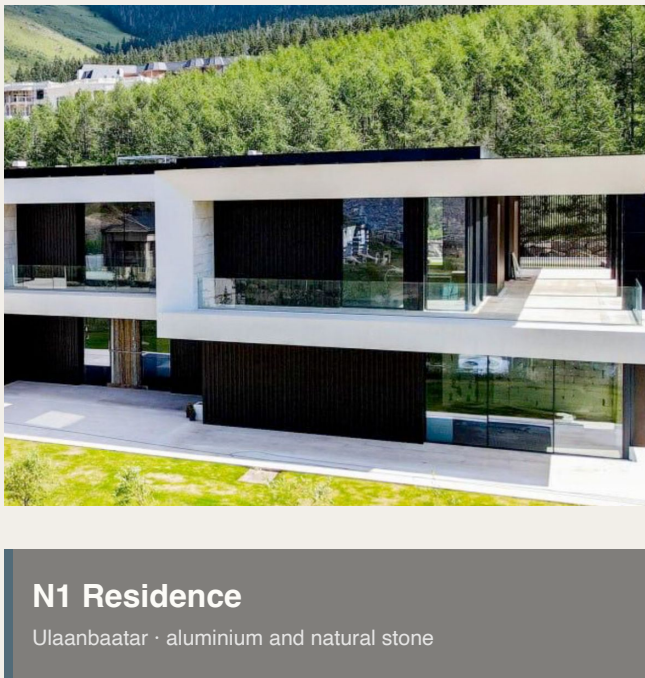
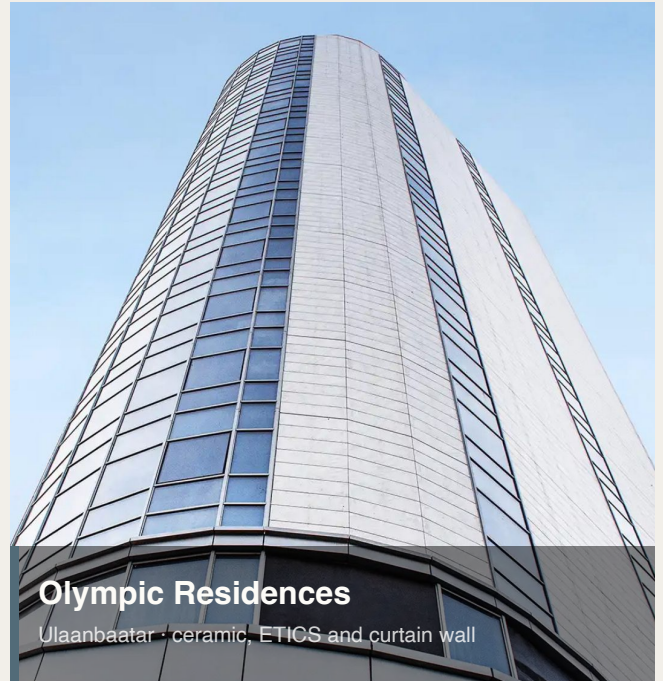
Collaborations with Renzo Piano, David Chipperfield, Michele De Lucchi, Mario Cucinella and other international practices.

Projects in Spain



Residential, educational, institutional and refurbishment projects with local teams and coordination.

International experience



Europe, Asia and Africa: experience across diverse climates, regulations and supply chains.



WHY SPACIO FORMA

A more coherent façade begins with fewer points of contact.

01 **System neutrality**

We select the solution for the project, not through dependence on a single manufacturer.

02 **Design and execution united**

Technical decisions anticipate fabrication, logistics, installation and maintenance.

03 **Bespoke capacity**

European workshop for the exceptional and industrial scale in China for large projects.

04 **Clear responsibility**

Spacio Forma is the technical point of contact coordinating the complete envelope through every phase.

Let's discuss the envelope from the outset.

We can join the project from system definition and cost planning through to complete execution.

CONTACT

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