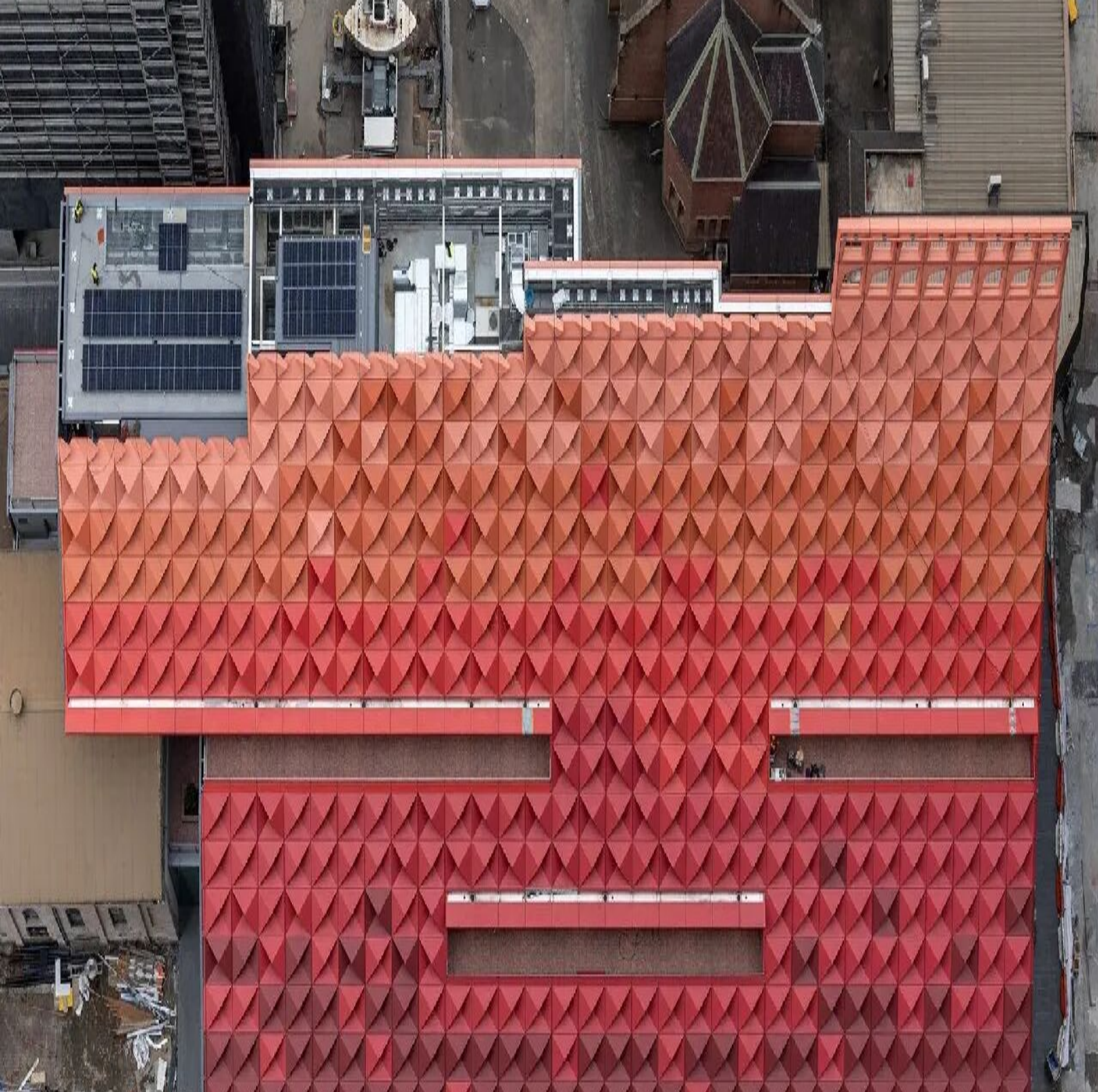




LARGE-SCALE PROJECTS



SPACIO FORMA
FACHADAS Y CERRAMIENTOS

DIVISION PROFILE / 2026

COMPLEX FACADES. ONE CONTROLLED ROUTE.



Large-scale envelopes need design leadership, engineering discipline, industrial capacity and site execution to remain connected from first decision to final installation.

European control. Industrial reach.

Spacio Forma represents Singyes in Europe, combining local design leadership, compliance, project management and site execution with Singyes engineering and industrial production in China.



01

European leadership

Design coordination, compliance, client interface and site control.

02

Industrial capacity

Large-volume production, unitised systems and complex fabrication.

03

Connected delivery

One controlled route from system approval and VMU to logistics and installation.

One European interface. Two connected capabilities.

Responsibilities are defined project by project, while design intent, performance, approvals, production and construction remain connected.

SPACIO FORMA

European design leadership, regulatory coordination, client interface, project management and site execution.

DESIGN / COMPLIANCE / SITE

SINGYES FACADES

International façade engineering, system development, industrial manufacture, quality control and export logistics.

ENGINEERING / SCALE / PRODUCTION

Shared core: design assist · engineering · prototypes · quality · delivery

One process connects design to site.

The project moves through defined technical gates. Scope may vary, but information, approvals and responsibility remain traceable.

-
- | | | |
|-------|--------------------|---|
| 01 | Integrate | Scope, interfaces, procurement and delivery strategy |
| <hr/> | | |
| 02 | Develop | Design assist, system selection and coordinated detailing |
| <hr/> | | |
| 03 | Validate | Calculations, BIM, VMU, testing and approvals |
| <hr/> | | |
| 04 | Manufacture | Procurement, production, inspection and packaging |
| <hr/> | | |
| 05 | Deliver | Logistics, installation, testing and handover |

Scale is built into the production base.

Singyes operates an integrated industrial campus in Zhuhai supporting façade engineering, fabrication, assembly, quality control and international delivery.

01 170,000 m² campus

A large industrial footprint for multi-phase international programmes.

02 75,000 m² fabrication

Dedicated production space supported by a 15,000 m² product warehouse.

03 500,000 m² / year

Annual curtain-wall fabrication capacity across ten unitised production lines.



Engineering capacity supports the programme.

Around 100 professionals support overseas projects across design, engineering, drafting, project management and commercial control.

CUSTOM DESIGN

Bid-stage concepts, system options and project-specific solutions.

PROJECT MANAGEMENT

Programme, coordination, supply, fabrication and installation control.

ENGINEERING + DRAFTING

Shop drawings, fabrication drawings and technical support.

STRUCTURAL ENGINEERING

Structural design, calculation packages and coordinated BIM.

COST PLANNING

Cost analysis, estimating, procurement strategy and cost control.

FABRICATION DATA

Production detailing, nesting, machining and assembly information.

International standards and project-specific European requirements are confirmed at project level.



BIM CONNECTS GEOMETRY TO PRODUCTION.

The coordinated façade model becomes the controlled information route for system interfaces, shop drawings, fabrication data, assembly and site verification.

— System rationalisation

Complex forms translated into controlled and repeatable families.

— BIM coordination

Structure, envelope, interiors, MEP and construction interfaces.

— Fabrication data

Panel logic, machining, assembly and production sequencing.

— Information control

A traceable route from approved model to installed element.

Performance is resolved as one system.

Structural, environmental, fire, acoustic, thermal and construction requirements are coordinated at system and interface level.

STRUCTURE

Wind, dead load, impact, restraint and support movement.

WEATHER

Drainage, pressure equalisation, seals and interfaces.

MOVEMENT

Thermal expansion, tolerances, joints and replaceability.

COMFORT

Thermal, acoustic, solar and condensation performance.

SAFETY

Fire strategy, barriers, glass risk and maintenance access.

BUILDABILITY

Fixing sequence, access, lifting and site adjustment.

Calculations, testing and certification routes are defined for each European project.

Prototype. Test. Refine. Industrialise.



01 VISUAL MOCK-UP

Geometry, joints, finishes, interfaces and workmanship are reviewed at representative scale.



02 PERFORMANCE MOCK-UP

Air, water, structural and movement performance are verified before production release.

Industrial production follows approved system logic.



01 PRODUCTION LINES FOR UNITISED CURTAIN WALL

Ten unitised production lines support up to 500,000 m² of annual curtain-wall fabrication capacity.



02 HIGH CNC CAPACITY FOR PROFILE TRANSFORMATION

Four production lines support up to 150,000 m² annually, with imported CNC manufacturing equipment.



QUALITY IS CONTROLLED BEFORE DELIVERY.

Project-specific inspection plans and factory quality procedures control materials, processing, assembly, sealing, maintenance, packing and traceability.

— Incoming inspection

Aluminium extrusion, glass, cladding, components and certificates.

— Process control

Cutting, machining, assembly, glazing, sealing and dimensional checks.

— Release + packing

Panel maintenance, final inspection, protection and sequenced packaging.

— Records + traceability

ITP, FQP, hold points, photographic records and project documentation.

One envelope platform. Multiple system families.

The project defines the system combination. Transparent, opaque, climate-responsive and special envelopes are coordinated through one technical and delivery structure.

TRANSPARENT

Unitised and modular façades

Stick curtain walls and window walls

Structural glass and steel-glass

Windows, doors and oversized openings

OPAQUE

Ventilated façades and rainscreens

Metal, stone, ceramic and terracotta

GRC, UHPC, HPL and composite materials

Hybrid insulated and prefabricated walls

CLIMATE + ACTIVE

Double skins and ventilated cavities

Brise-soleil, fins and dynamic shading

BIPV and solar-integrated envelopes

Kinetic and operable components

SPECIAL

Roofs, skylights, atria and canopies

Balustrades, railings and parapets

Free-form and hybrid envelopes

Architectural metalwork and secondary skins

SINGYES INTERNATIONAL REFERENCE / SYDNEY

39,773 m² OF HIGH-RISE ENVELOPE.

GREENLAND CENTRE · UNITISED CURTAIN WALL · BALCONY GLAZING · WINDOW WALL ·
SLIDING DOORS · LOUVRES

Architect: Woods Bagot
Builder: Probuild
Supply completed: 2020

20,025 m². ONE MIXED FAÇADE PACKAGE.

1000 La Trobe combines unitised curtain wall, metal cladding, GRC and shopfront systems through one coordinated design, fabrication and delivery package.

POLY AUSTRALIA · WOODS BAGOT ·
PROBUILD · SUPPLY COMPLETED 2021

Geometry defines a civic envelope.

5 & 7 Parramatta Square. Design, fabrication, supply and delivery of unitised curtain wall, window wall, louvres and balustrades across a 5,573 m² façade package.



WALKER CORPORATION · BUILT · JPW

SUPPLY COMPLETED 2022 · SINGYES INTERNATIONAL REFERENCE

DOUBLE- CURVED FIN. ONE REPEATABLE SYSTEM.

Xiqu Centre combines glass curtain wall, double-curved aluminium fins and metalwork through an integrated design, fabrication, supply and installation package.

25,000 m² · BING THOM ARCHITECTS ·
COMPLETED 2017

International delivery across building types.

Singyes reference projects demonstrate experience in large and complex envelopes for cultural, infrastructure and exhibition programmes across international markets.



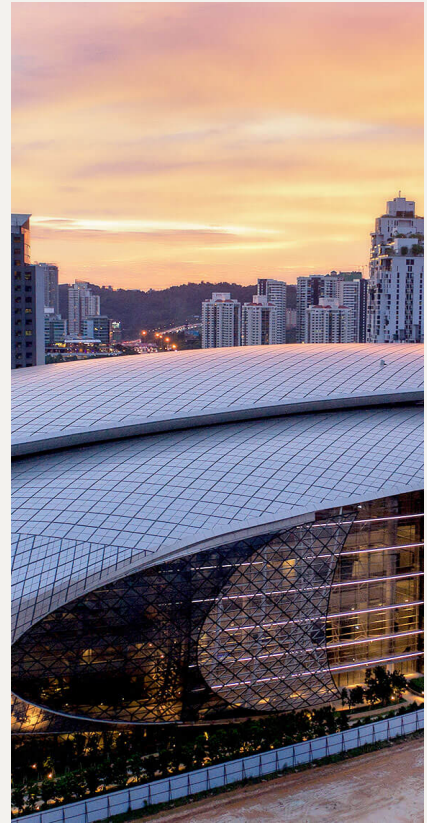
CULTURAL

Xiqu Centre
25,000 m²



INFRASTRUCTURE

HK Boundary Crossing
24,150 m²



EXHIBITION

MATRADE Centre
24,334 m²

HONG KONG · AUSTRALIA · MALAYSIA · NEW ZEALAND · USA



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**BRING US THE
ARCHITECTURE.
WE WILL MAKE
THE
ENVELOPE
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