

2026 METAL MESH APPLICATION GUIDES

Metal Mesh Application Guides



A project-oriented guide to facade, ceiling, partition, shading and custom architectural mesh applications.

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Application routes for real building conditions.

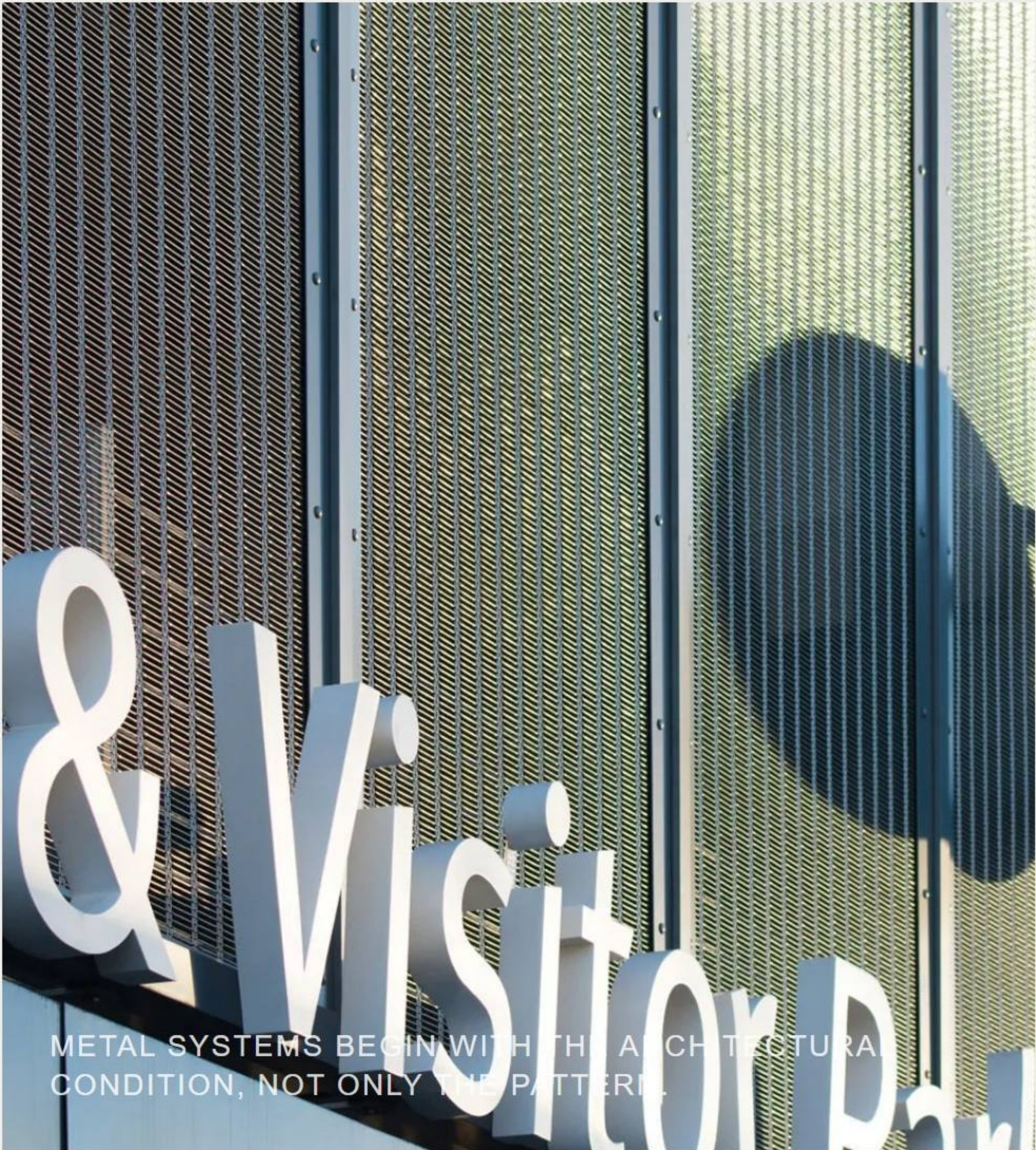
This guide translates metal systems into practical project conversations: where the mesh works, why a certain family fits, and which public or hospitality settings benefit most.

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APPLICATION FIRST

Choose the mesh by what the building needs first.

Application is the fastest way to avoid a wrong sample round. The same product can look attractive in isolation but fail once daylight, maintenance, reach, or airflow become real constraints.



METAL SYSTEMS BEGIN WITH THE ARCHITECTURAL CONDITION, NOT ONLY THE PATTERN.

CHECK TOGETHER

- Exterior or interior exposure
- Visual density at real viewing distance
- Need for access, airflow or light filtering
- Whether the surface is rigid, framed or flexible

FACADE

ENVELOPE & SCREENING

Use when the project needs exterior rhythm, airflow, daylight control, privacy or a cleaner second skin for large elevations.

CEILING

OVERHEAD & SERVICE ACCESS

Good overhead systems keep openness, lighting coordination and maintenance access in balance rather than closing the ceiling plane.

PARTITION

SEPARATION WITHOUT CLOSURE

Open metal layers help divide circulation, seating, retail and lounge zones while holding visual connection across the room.

CURTAIN

FLEXIBLE MOVEMENT

When hospitality, brand scenes or event spaces need softness and motion, flexible curtains often communicate better than rigid panels.

SCENE LOGIC

Match the reason for the space, not just the category.

Hotels, public lobbies, retail halls and parking structures may all use metal mesh, but they ask for different emotional and operational results. The scene tells you what the metal should do.

ASK WHY

- ☐ Is the goal calm atmosphere or active visibility?
- ☐ Should the mesh filter light or create privacy?
- ☐ Does the project want texture, movement or order?
- ☐ Will visitors touch the surface often?



HOTEL

LOBBY & LOUNGE

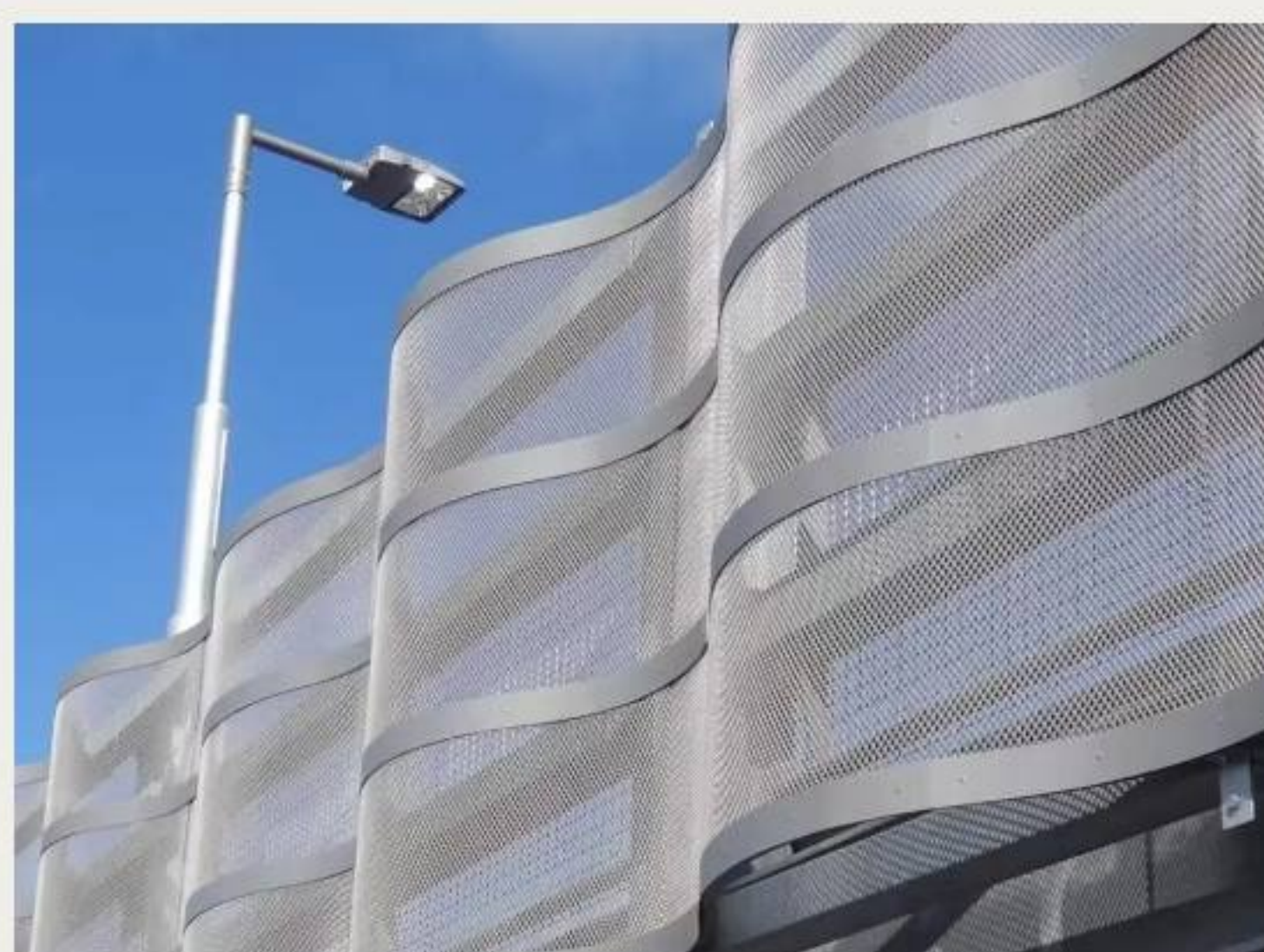
Prioritize warm reflection, softer openness and a material that reads premium from both close and medium range.



RETAIL

DISPLAY & WALL BACKDROP

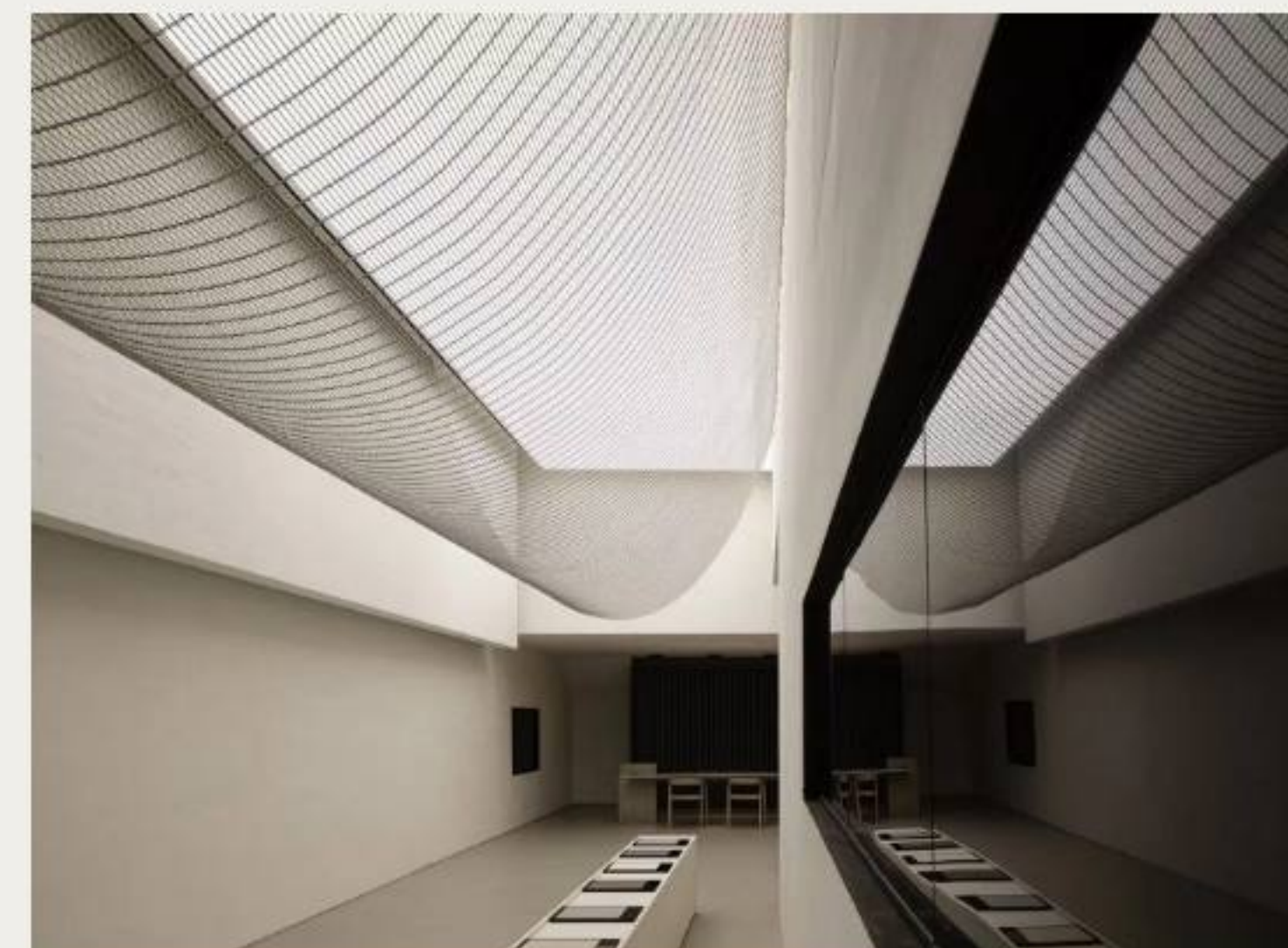
Choose a surface that holds brand identity, controlled reflection and a close-view finish that feels intentional.



UTILITY

PARKING & SERVICE ZONE

Here the value is ventilation, durable order and a cleaner exterior image rather than decorative complexity alone.



PUBLIC

ATRIUM & OVERHEAD

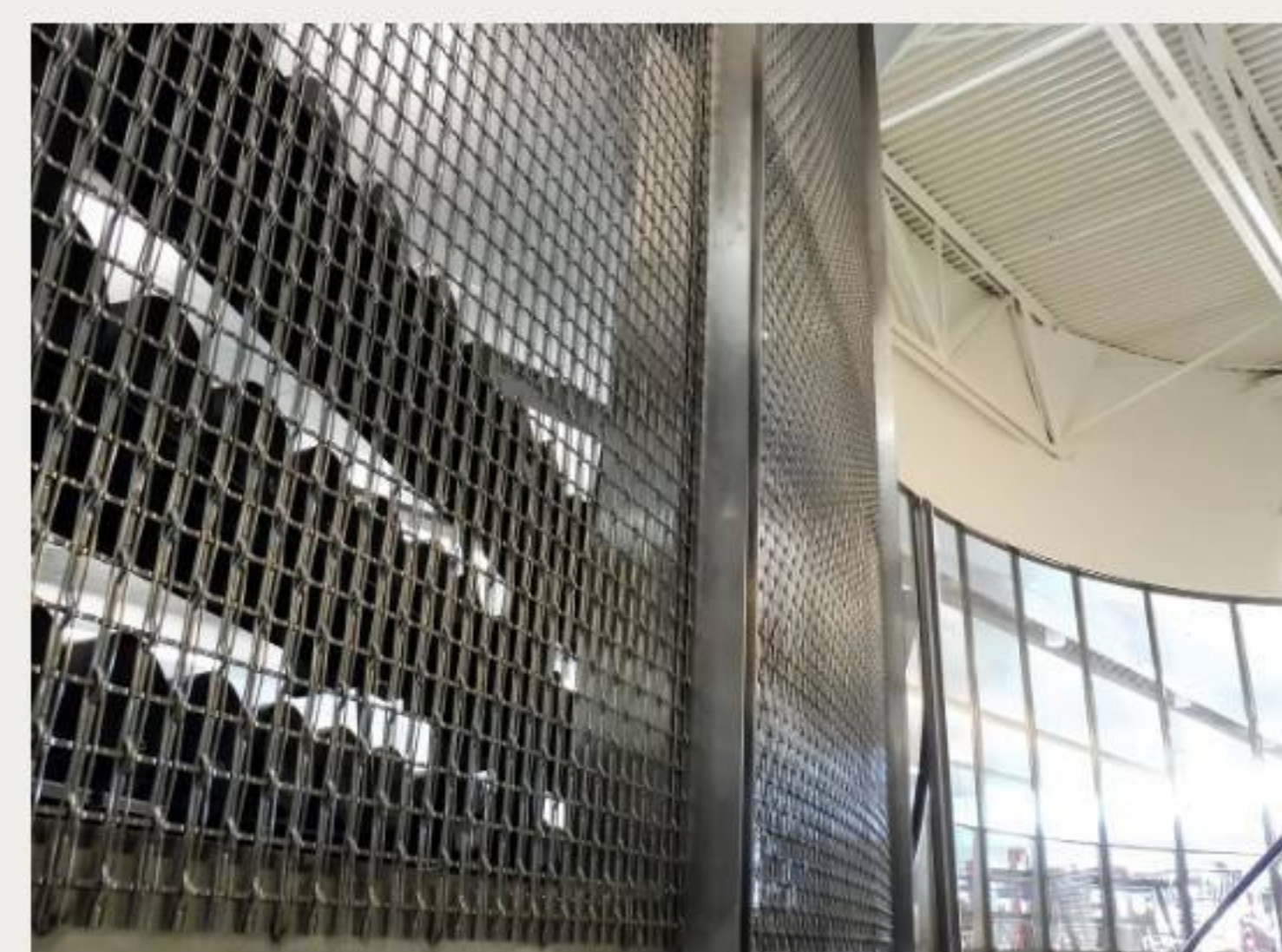
Use systems that stay visually light at scale and still coordinate lighting, structure and service maintenance.



HOSPITALITY

RESTAURANT DIVIDER

Flexible curtains help shape intimacy and movement where hard partitions would make the room feel too fixed.



CULTURE

EXHIBITION & BRAND SPACE

Custom surfaces work best when pattern, lighting and visitor movement are planned together from the start.

PUBLIC & HOSPITALITY ROUTES

People flow changes how a mesh should perform.

Public spaces usually need durable distance-reading systems. Hospitality spaces often need warmer finishes, softer reflections and a more intimate relationship between the mesh and people.

GOOD FIT

-  Hotel: softer metal tone and layered openness
-  Mall: overhead scale and service coordination
-  Office: visual separation without closing light
-  Museum: custom surfaces and controlled focus

01

Hotel public spaces

Partitions, curtains, ceilings and wall cladding should feel calm, premium and tactile under warm lighting.

02

Restaurants and lounges

Flexible metal systems perform well where intimacy, movement and partial screening are more important than complete enclosure.

03

Commercial atriums

Large overhead or facade systems should keep scale under control and stay legible from long viewing distances.

04

Retail environments

Use reflective or graphic surfaces where product display and brand recognition need a stronger visual backdrop.

05

Transit and public circulation

Rigid framed systems are often better when safety, maintenance access and daylight performance have higher priority.

06

Exhibition and culture

Custom feature surfaces can become part of the curatorial story when pattern, transparency and lighting are carefully staged.

SYSTEM FAMILIES

Choose product families by how the application behaves.

A woven mesh is rarely chosen for the same reason as a chain curtain. Product family selection becomes easier once you define whether the project needs rigidity, softness, scale, pattern control or a sheet-based logic.

FAMILY LOGIC

-  Woven mesh for refined architectural texture
-  Cable rod mesh for large exterior rhythm
-  Curtain systems for flexible division
-  Sheet surfaces for repeatable module control



SG-CR / SG-WM / SG-EX

FACADE & ENVELOPE

Exterior skins usually need durable openness, panel logic and a reading that stays coherent at building scale.



SG-WM / SG-SP / SG-FC

CEILING & OVERHEAD

Look for systems that remain light above eye level and can coordinate lighting, suspension and service access.



SG-WM / SG-CC / SG-FC

PARTITIONS & DIVIDERS

Open separation often needs warmth, visibility and a softer material behavior than rigid walling.



SG-CC / SG-FC / SG-RM

CURTAINS & DRAPERY

Use flexible families where movement, hospitality atmosphere or brand color expression are part of the design goal.



SG-WM / SG-PH / SG-LG

WALLS & DISPLAY SURFACES

Close-view walls ask for tighter finish control, touch awareness and a more deliberate relationship with lighting.



CUSTOM MIX

CUSTOM FEATURE ROUTE

When the brief is expressive or brand-driven, material family, pattern and fabrication route often need to be developed together.

SPACE TYPES

Different project types need different mesh logic.

The same metal system may behave differently across hotels, workspaces, retail, parking and public institutions because use intensity, touch level and maintenance access all shift the right answer.



HOSPITALITY

HOTEL ARRIVAL & LOUNGE

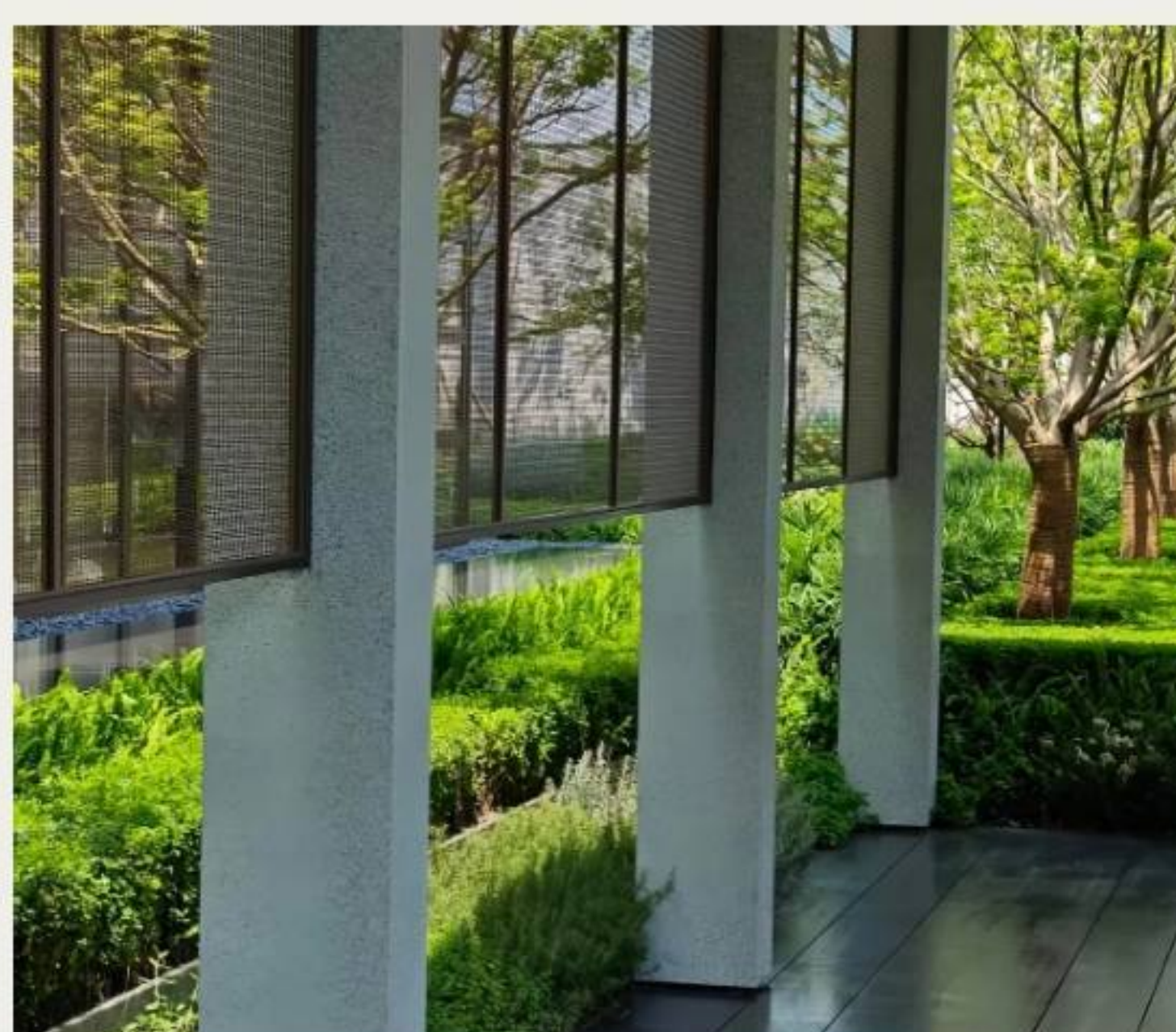
Prefer warmer finishes, refined reflections and systems that create atmosphere without making the space visually heavy.



WORKPLACE

OFFICE PARTITION & RECEPTION

Use open systems to shape focus and circulation while keeping daylight and team visibility across the floor.



RETAIL

DISPLAY & BACKDROP

Application choices here should support product framing, brand identity and controlled close-range material expression.



INFRASTRUCTURE

EXTERIOR SAFETY & UTILITY

Rigid, breathable systems often win where resilience, visibility and practical maintenance matter more than softness.

TYPICAL SPACE TYPES

-  Hotel lobby and restaurant
-  Office reception and partition
-  Retail wall and curtain
-  Parking, exterior and safety zones

BRIEF BEFORE SAMPLING

Better application briefs lead to faster sample decisions.

Before comparing models, give the project team one page of useful conditions. The application guide works best when it becomes a clearer brief, not only a mood reference.

SEND SGORIA

- Space type and target atmosphere
- Reference image or sketch
- Exterior/interior exposure and maintenance notes
- Preferred family, finish or openness if already known

DISCUSS THE APPLICATION ROUTE WITH SGORIA

Send the project type, target atmosphere, reference image and exposure notes. We can help compare the right product family, openness, finish direction and sampling route before the next step.

EMAIL

project@sgoria.com

PHONE / WHATSAPP

+86 190 3318 8808

WEBSITE

www.sgoria.com

SUPPORT SCOPE

Application advice, material direction, finish review, sampling and custom project discussion.



Scan to view SGORIA products, resources and project support information.