
FAÇADE DESIGN

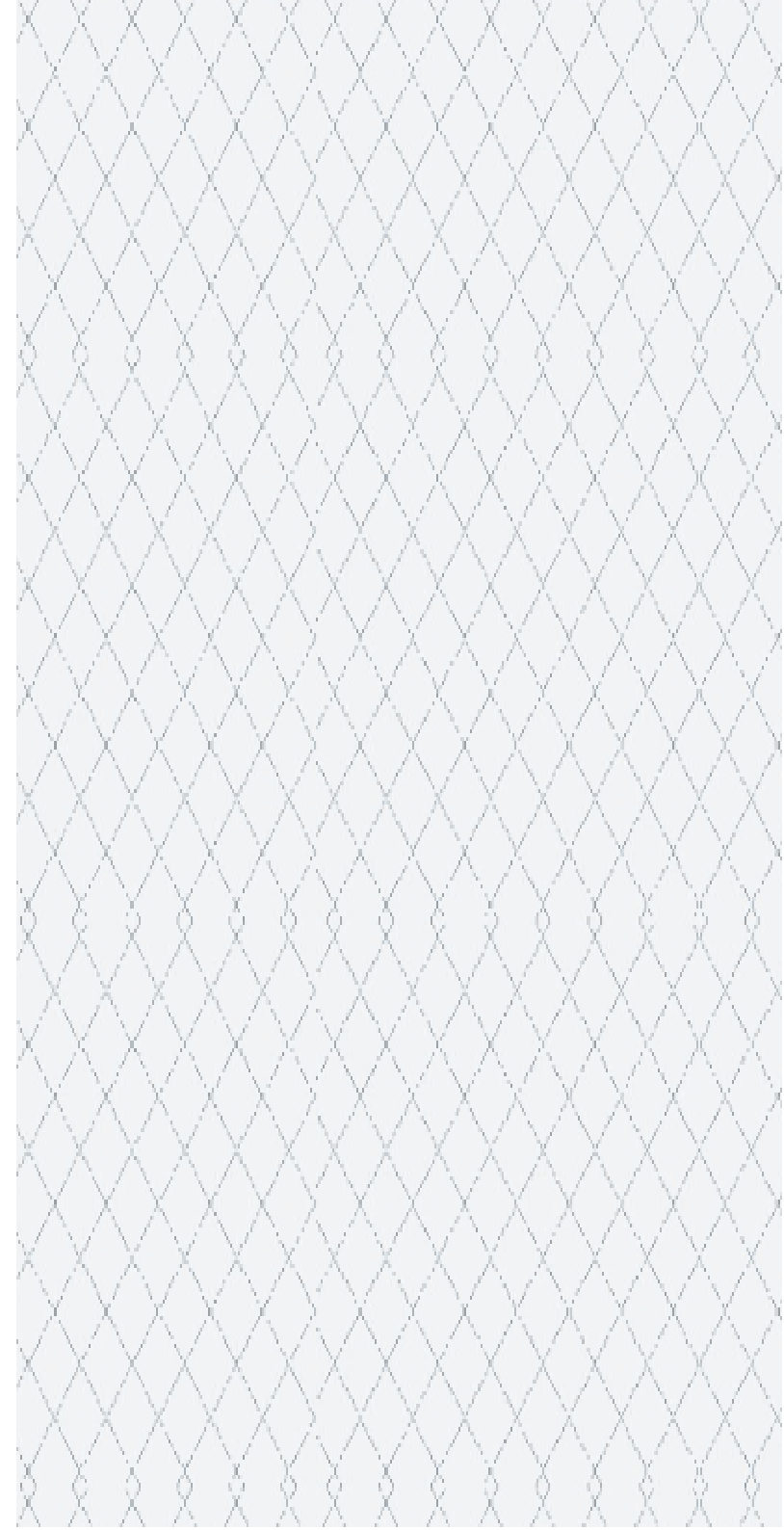
GLASS + ALUMINIUM

Architectural façade design, technical development and buildability support for contemporary buildings and developments.

CAPABILITY PROFILE | UAE

Prepared for consultant / design-team engagement

ADAPTIVE PRO TECHNICAL AND DESIGN SERVICES FZ-LLC



Company Positioning

Adaptive Pro Technical and Design Services FZ-LLC is a UAE-based technical and design services company with experience across fit-out, glass works, technical services, outdoor works and project delivery.

Glass and aluminium are the most visible — and most technically demanding — part of a building's envelope. Our design scope covers curtain wall, windows, doors, skylights, balustrades and feature screens, developed from concept elevations through to fabrication ready detail, with structural, waterproofing and MEP interfaces resolved before tender.

The goal is a façade that holds its architectural intent while staying buildable, maintainable, and commercially deliverable

Our existing portfolio demonstrates practical experience in architectural glass, partitions, glazing-related works and detailed site execution.



WHY ADAPTIVE PRO

- Design-minded and execution-aware
- Practical understanding of fabrication and installation
- Responsive coordination with architects, consultants and contractors
- Focus on buildability, detail quality and cost-conscious solutions



OUR POSITIONING

We are developing a dedicated façade design capability focused on glass and aluminium building envelopes — bridging architectural intent with practical systems, details, procurement and installation requirements.

PROPOSED FOCUS

External façade design • glazing • aluminium systems • shading • interfaces • buildability

Façade Design Capability

FROM ARCHITECTURAL INTENT TO BUILDABLE FAÇADE

Our façade design service is intended for consultants, architects, developers and contractors who need a technically coordinated external envelope solution. We develop the façade language, system strategy and key details while keeping interfaces with structure, waterproofing, MEP, interiors and external works in view.

01



Concept & Design Development

- Establish façade language, module grid and material palette
- Study feature zones, vision/spandrel ratios and shading strategy
- Rationalise design intent against budget and buildability

02



Glass & Aluminium Systems

- Curtain wall (stick or unitised), windows, doors, skylights, canopies, balustrades, fins and screens
- Compare system options on performance, cost and lead time
- Confirm structural and movement strategy with the engineer

03



Technical Detailing

- Typical wall sections, head/sill/jamb and corner details
- Movement joints, penetrations and interface conditions
- Drainage, ventilation and access/maintenance provisions

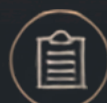
04



Performance & Buildability

- Thermal, water, air and structural movement criteria
- Interfaces with structure, waterproofing, MEP and interiors
- Mock up and sample requirements

05



Tender / Procurement Support

- System descriptions, schedules and specifications
- Quantities and technical clarifications for bidders
- Comparative technical review of subcontractor proposals

06



Site / Fabrication Support

- Shop drawing review and fabricator coordination
- Site inspections during installation
- Snagging, close out and as build records

Glass & Aluminium Scope

CURTAIN WALL

Stick and unitised façade strategies; vision / spandrel zones; interfaces and movement accommodation.

WINDOWS & DOORS

Aluminium framed windows, entrance doors, sliding systems and specialist glazed openings.

SHOPFRONTS & GLAZING

High quality external glazing, framed and frameless solutions, entrances and feature glazing.

SKYLIGHTS & CANOPIES

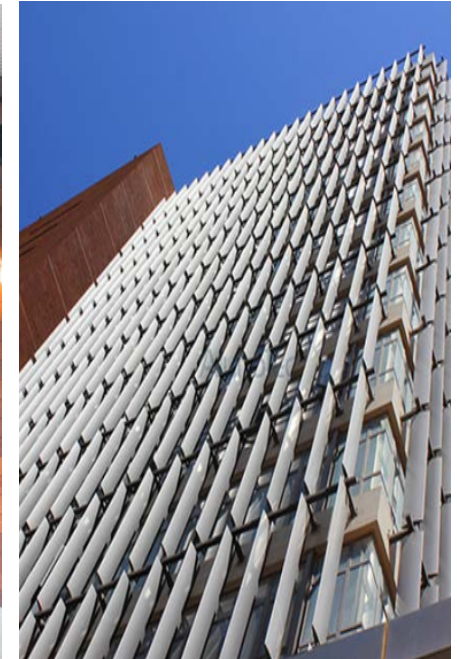
Overhead glazing, roof interfaces, drainage strategy and support coordination.

BALUSTRADES

Glass balustrades, handrails and edge protection with appropriate fixing and interface detailing.

FINS / LOUVRES / SCREENS

Aluminium fins, suncontrol elements, decorative screens and façade articulation.



Design & Coordination Methodology

1

BRIEF

Understand architectural intent, building use, geometry, performance expectations and project constraints.

2

FAÇADE STRATEGY

Develop module logic, material palette, system options, feature areas and preliminary interfaces.

3

TECHNICAL DEVELOPMENT

Develop elevations, sections, junctions, corners, openings, movement and waterproofing principles.

4

COORDINATION

Coordinate with architectural, structural, MEP, waterproofing, interiors and landscape interfaces.

5

TENDER / FABRICATION

Prepare coordinated information for pricing, procurement and fabricator development.

6

SITE SUPPORT

Review samples / mock-ups, resolve technical queries and support installation quality and close-out.



Typical Façade Deliverables

- Façade concept / design development drawings
- Façade elevations and zoning diagrams
- Typical wall sections and enlarged details
- Head / sill / jamb / corner / parapet details
- Glass and aluminium system schedules
- Material and finish schedules
- Performance criteria and design intent notes
- Interface details with structure, waterproofing and MEP
- Mock-up / sample review requirements
- Technical review of fabricator / specialist proposals
- Tender and procurement support documentation
- Site technical support and installation observations

DELIVERABLES ARE TAILORED TO PROJECT STAGE AND CONSULTANT REQUIREMENTS.

What We Bring to a Design Team

ARCHITECTURAL INTENT

Protect the visual concept while translating it into practical façade modules, materials and junctions.

VALUE ENGINEERING

Where appropriate, we identify alternative systems, materials and details without losing the intended architectural character.

TECHNICAL RESPONSIVENESS

A practical technical partner for design development, specialist coordination, tender clarification and construction-stage queries.

BUILDABILITY

Details are developed with fabrication, installation sequence, tolerances and site interfaces in mind.

COORDINATION

We focus on the interfaces that commonly create site issues: slab edges, waterproofing, movement, drainage, openings and adjacent finishes.

DESIGN PRINCIPLE

"A façade should look resolved at concept stage — and remain buildable at construction stage."

Potential Collaboration | Wasl Island

Kling Consult's published portfolio includes The Island in Dubai for Wasl LLC, a major hospitality and entertainment development, with façade design listed among the specialist disciplines. Adaptive Pro would like to introduce a focused external façade design and technical-support capability for consideration by the design team.

DESIGN SUPPORT

Façade concept development, material and system studies, elevations, sections and key details.

SPECIALIST COORDINATION

Technical coordination with architects, structural engineers, waterproofing, MEP and façade fabricators.

DELIVERY SUPPORT

Tender information, technical review, mock-up / sample support, site queries and buildability reviews.

Suggested Engagement

Adaptive Pro can support the design team as a façade-focused technical resource, working under the consultant's design direction and project standards. The engagement can be scaled from targeted design packages to full façade design-development and construction support.

INITIAL DISCUSSION

Review project façade scope, current design stage, package boundaries and required deliverables.

Selected Glass & Architectural Glazing Experience

The following images are selected from Adaptive Pro's existing company profile to retain only the stronger examples of glass-related and architectural glazing work. They demonstrate practical exposure to internal glazing, glass partitions, balustrades, skylight / overhead glazing and architectural glass applications.



GLASS PARTITION / CORRIDOR GLAZING



ARCHITECTURAL GLASS / ATRIUM APPLICATION



SKYLIGHT / OVERHEAD GLAZING



GLASS BALUSTRADE / EDGE PROTECTION

Broader Technical & Design Experience

INTERIOR DESIGN & FIT-OUT

Design and build, architectural finishes, partitions, specialist glass and interior detailing.

PERGOLA & OUTDOOR SERVICES

Pergolas, decking, outdoor structures and associated architectural finishing.

GLASS WORKS

Glass partitions, shower / wet-area glazing, architectural glazing, balustrades and overhead glazing applications.

RESTORATION / RENOVATION

Existing-condition works, refurbishment and improvement of built assets.

TECHNICAL SERVICES

Building technical services and site-based problem solving, supporting practical project delivery.

COORDINATION MINDSET

Experience working between design intent, procurement, fabrication and site execution.

ADAPTIVE PRO CLIENTS



Maamoun Al Khouli & Associates

AJMAN ROYAL PALACE

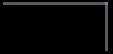
Winter Cafeteria

AL SHARA BUSINESS CENTER

Better Lawns Landscaping LLC



**ADAPTIVE
PRO**
TECHNICAL & DESIGN SERVICES



LET'S DESIGN THE ENVELOPE BETTER.

Adaptive Pro is available to discuss façade design support, technical development and specialist glass & aluminium packages for upcoming developments.

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Company information and portfolio references based on the submitted Adaptive Pro company profile.