

METGLASI

A KEY FOR TOTAL FACADE SOLUTIONS

"We truly engineer the Architecture with latest technology"



SHORT PROFILE

The team at **METGLASI** are primarily **Architects and Engineers** and has varied experience and expertise of more than a decade in providing professional consulting, contracting, project management and engineering services to Architects, Builders & Developers offering state of the art expertise on the design and implementation of the building envelope. The combination of world class experience, customer centric process and the best practices allows us to deliver a quality value engineering and mouth-taking solutions to our clients “ **ON TIME WITH IN THE BUDGET**”.

Our **VISION** is to be recognised as the best, trustworthy and strategic architects and engineers for creative building environment”.

Our **MISSION** is to “provide solutions and products to build “**personalized bridges**” with the client for conducting business seamlessly”.



The architectural concept envisions a homogenous sheet-metal façade, which, during technical realization, underwent a metamorphosis to a multi-layered rear ventilated façade with embedded rain drainage and spillway.

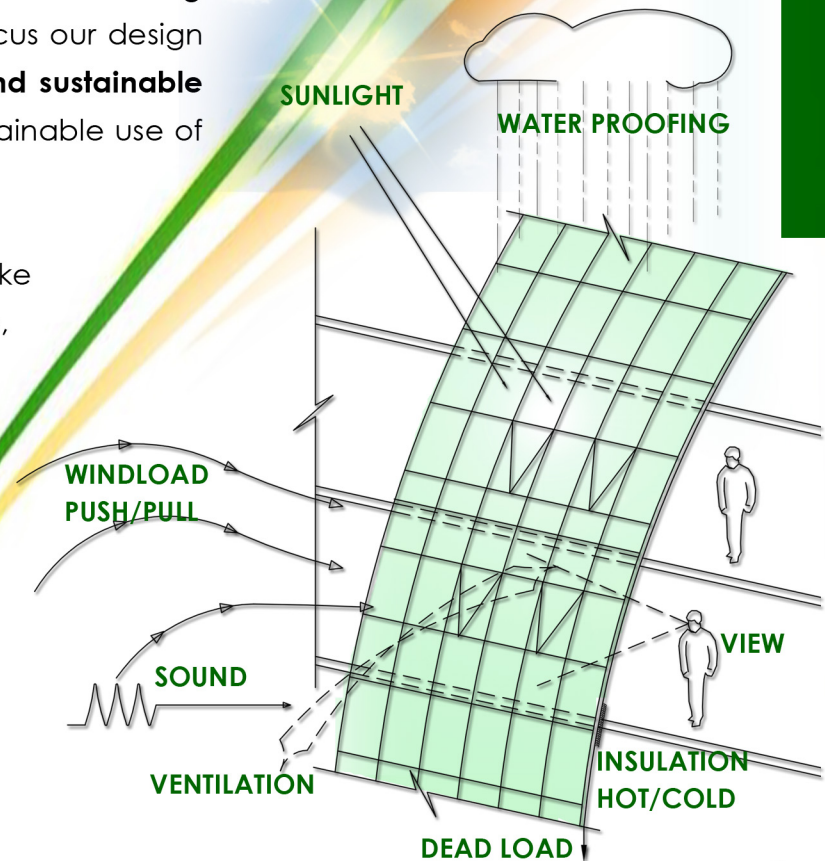
“It is less understandable and is more prone to failures.”

METGLASI merge together *architectural, interior, structural, thermal, visual and acoustic specialist skills to deliver an integrated Façade Engineering service* which includes the “significant aspects” of *future maintenance, cleaning strategy, safety and risk assessment*. We focus our design concept mainly on **energy, environment and sustainable development**, devoted to efficient and sustainable use of natural resources.

METGLASI can assist in all high end projects like tall towers, commercial complexes, hospitals, hotels, airports, institution, IT parks etc. as an specialist facade consultants..

THE SEVEN COLORS OF FAÇADE RAINBOW

1. WATER PROOFING
2. NATURAL LIGHT
3. VENTILATION
4. SOUND PROOF
5. THERMAL INSULATION
6. VIEWCUT/AESTHETICS
7. LOADS & MOVEMENTS (DEAD LOAD/ WINDLOAD)



SYSTEM SPECIALITIES:

- ➔ Unitized Curtain wall
- ➔ Stick Curtain wall
- ➔ Glass skylight
- ➔ Canopy
- ➔ Parasole & Bri soliel
- ➔ Spider system glass wall
- ➔ Architectural steelwork
- ➔ Precast concrete Facades
- ➔ Stone & Masonary Facades
- ➔ Glass interiors

“Any project’s drawings, we will draw up a complete appraisal, containing a proposition of implementation of the cutting edge technology. The appraisal will allow you to analyze the feasibility of the project, together with all the necessary information like estimated cost and estimated generation”.

OUR TYPICAL SCOPES:

Façades are an integral element of the entire building with direct relation to design, use, structure and building services. This has a decisive impact on the entire design and construction process and our scope of work includes

- ➔ Schematic design & Design development
- ➔ Preperation of tender drawings and specifications
- ➔ Modelling, study and analysis of projects
- ➔ Shop Drawing and calculation checking
- ➔ Quality control and quality check
- ➔ Factory and site quality Inspection
- ➔ Material analysis and site review.
- ➔ Evaluation of materials and components for code compliance and durability.
- ➔ Constructability and cost consulting.
- ➔ Installation and Execution.
- ➔ Repair specification and review.

To achieve the architectural realisation of its intended form and to build the form without harming the integrity of its design and concept, cost, time & quality are important factors in completing the project successfully.

A. Cost savings

With the advancement of technology, building enclosures are optimized for economy. Identifying and doing the right work will always keep the budget simple and smart.

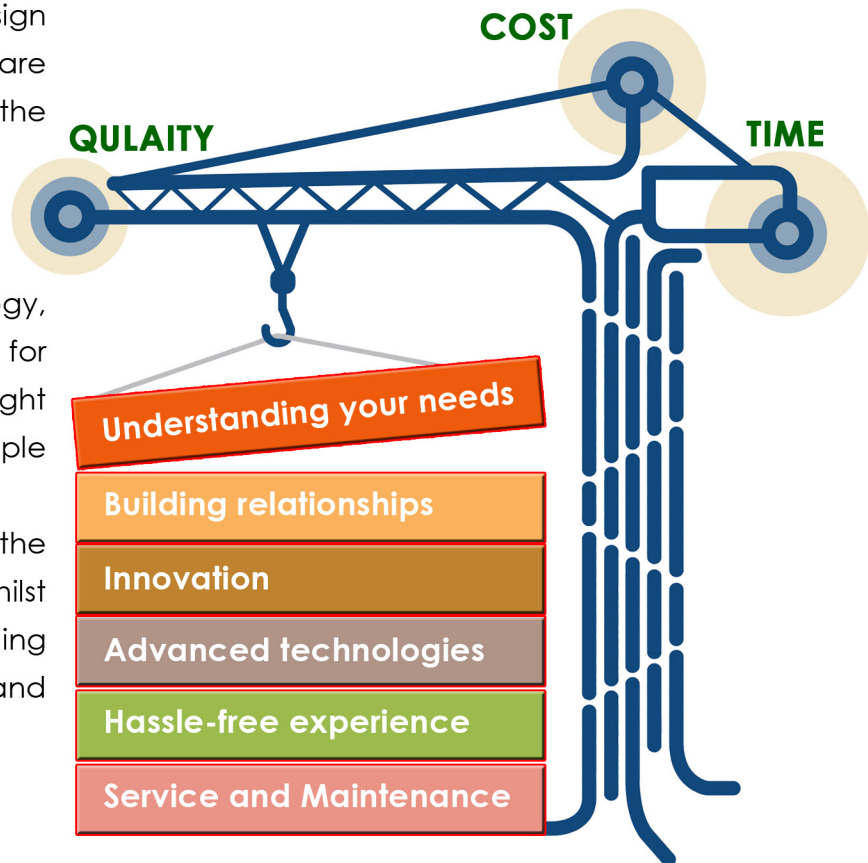
In this way METGLASI, engineers the design for high performance whilst keeping the budget in tact by providing the right technical specification and approach.

B. Time savings

Scheduling the work is an integral part of completing the project on time. Standardising the specification with respect to the available resources will always drive the project on track. In this way METGLASI will work with the Architect and contractor identifying the right resources and to efficiently check the shop drawings without delay and to help keeping the project to move forward.

C. Utmost Quality

Performing a quality work will minimize the operative cost thereby keeps the facade in good condition for a longer run. In this way METGLASI will verify and inspect the materials worked at site is as per the technical specification and shop drawing.



The **Energy Conservation Building Code (ECBC)** has specified prescriptive parameters for constructing an energy-efficient building envelope, the exterior façade of a building. The façade, based on the insulation abilities of the material used for roof and wall construction, will reduce heat loss. It will also reduce energy use if it allows daylight in. It is, therefore, important for any green building to have the right material for its exterior.

THERMAL ANALYSIS

The thermal studies we provide can determine the thermal transmission coefficient U_g , the solar Factor G , the temperatures of all glass layers and air gaps, as well the thermal constraints in the glass, caused by close obstacles; solar protections (interior, exterior or integrated).

DAYLIGHT MODELLING

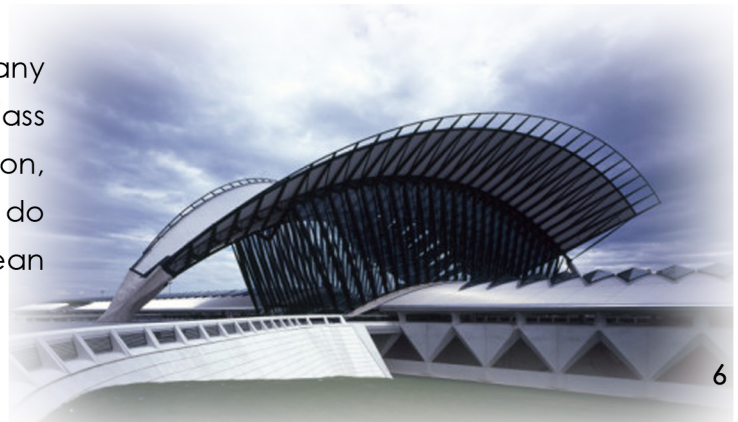
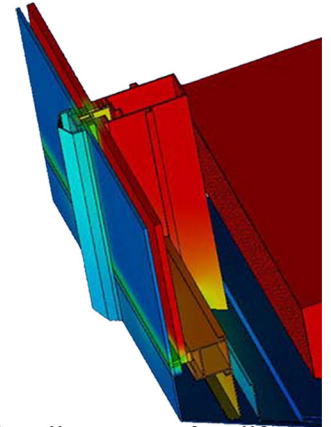
Daylighting is the art and science of managing natural light to minimize the use of artificial lighting, reduce carbon emissions, and positively affect the performance, mood and well being of occupants of any space. At METGLASI we do daylight model and thereby determine the required daylight on any building.

COMPLEX GEOMETRY SOLUTIONS

METGLASI can design and engineer any innovative forms keeping the harmony of concept and budget in line with the architects intent. To understand the workability of any form of building, we do 3d models and renderings, thereby we analyse and engineer the entire anatomy of the building.

INTERIOR SOLUTIONS

METGLASI is also specialized in engineering any Hi-Funda interior solutions which involves glass & alloys. In METGLASI you'll find inspiration, ideas and examples of all the ways one can do more with glass. We design to provide a clean and appealing look to any environment.



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