

## Façade Engineering Services

It is a specialized service for clients who realize to obtain complete façade solution from an experienced source and for façade contractors who want design development and processing support. Since façade engineering requires a blend of skills ranging from system design, structural engineering, fabrication, installation and maintenance so as to understand system behavior and performance of systems in terms of air-tightness, thermal performance (Heat Transfer / Solar Gain), daylight penetration, Acoustic performance and Fire resistance and overall aesthetics of the facade.

Following is Scope of services for façade engineering in addition to scope offered in Façade Consultancy service:

- ❖ **System Development for Façade Elements**
  
- ❖ **Façade System Design and Structural Calculations**
  
- ❖ **Die Drawings of Aluminium Profiles and Gaskets**
  
- ❖ **Hardware and Accessories compatibility check**
  
- ❖ **Performance Analysis – Structural and Thermal**
  
- ❖ **Mock-up Drawings**
  
- ❖ **Shop Drawings (Typical and Interfacing Details)**
  
- ❖ **Fabrication Drawings of Standard Panels**
  
- ❖ **BOQ and Rate Analysis**
  
- ❖ **Specifications and Project Programme**
  
- ❖ **Vendor Evaluation**