



"Custom build" composite products for construction

UC has in principle no standard products, but will rather use a creative and technical approach to let you benefit from the design freedom and other advantages of applying composite materials in structures. This to give you a bigger design freedom. We focus on the following product groups but of course more is possible;

- **Roof structures (exterior)**
 - High design freedom, light weight, self supporting, highly integral in design (looks like a prefab but is more a monoque structure).
- **Wall claddings (exterior)**
 - Light weight, high strength, high design freedom, self supporting, great insulation properties with all sorts of colours, surfaces textures and surface structures like granite, wood, stone.
- **Wall claddings (interior)**
 - 3D curved columns and beams, protecting steel and concrete columns/beams against fire but are also interior finishing parts.
 - Several lightweight fire proof claddings
- **Ceiling elements and structures (interior)**
 - Self supporting and light weight, low maintenance, etc.
- **Doors (interior)**
 - Fire proof and armoured doors that look like normal doors
- **Furniture/counters (interior)**
 - Fire proof and armoured counters for banks, government buildings etc.
- **Tunnel finishing, claddings, linings (infra)**
 - High fire retardant / high insulation light weight cladding panels



Design to Build

UC cooperates with renowned companies (see profile) to be able to support our customers world wide from design to build. This cooperation includes;

- To advice Architects and designers concerning design possibilities with composites including the advantages as well disadvantages of this material.
- Engineering including o.a strength and stiffness analysis (statical and dynamical, FEM), technical design, R&D, structural testing, manufacturing engineering etc.
- Prototypes and production technology
- Complete project management concerning projects where composite materials are being applied.
- Manufacturing of parts/structures, purchase management and complete supply chain management.
- Technology franchise of production technology to local composite manufactures (This for international projects to create local content).

Markets of interest.

- New Shopping malls as well refurbishment
- Office buildings
- Infrastructure (tunnel and bridge building)
- Train stations and underground stations
- Public buildings / spaces
- Underground areas
- Artwork.

Customers

- Architects and interior/exterior designers
- Project developers
- Government
- Building companies
- Contractors
- Interior builders / companies
- And other interested companies who are interested in a solution in composites

