“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)**
  - 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 (statistical 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/exteriors designers
- Project developers
- Government
- Building companies
- Contractors
- Interior builders / companies
- And other interested companies who are interested in a solution in composites