SPECIALIZED IN TENSILE MEMBRANE STRUCTURES AND CAR PARKING SHADES

Electra Engineering is a leading design and build manufacturer specializing in custom tensioned membrane structures in HDPE, PVC, PTFE, ETFE etc. From design, development through engineering, fabrication and installation.

Electra Engineering specializes in the following and can customize shades and structures based on the needs of clients after a site inspection and survey. We fabricate shades that cover weather protection. Practical, durable, safe and cost-effective.

The approach to clients and project, ability to identify special requirements and unique problem solving skills is what makes us what we are today, along with our experienced team members to fulfill our vision.

With our extensive background in tensile construction, together with a personal hands-on approach to addressing our clients’ needs. We have experienced Engineering team for design and executing the Projects.
ABOUT ELECTRA

Al-Shaghairi Trading and Contracting Company W.L.L (ELECTRA) one of the fastest growing business organizations in the State of Qatar registered as Al Shaghairi Trading & Contracting CO. WLL in 1998. We have developed an excellent reputation for marketing abilities, quality of service and committed professionalism to a varied clientele spread across the Educational, Hospitality, Medical, Sports, Government And Commercial sectors.

Al Shaghari Trading and Contracting Co. WLL Started its operation in the name of Electra, supplying a wide range of data & telecommunication systems, computer room equipment and solution by giving our customers an end to end solution in setting up Computer rooms, IT-Data Centers, Intelligent Office and Commercial Towers from designing, installation and maintenance of whole range of Raised Floor System, Sports Flooring, Cable Management System, Ceilings, Wall Coverings, Skirting and a whole range of Flooring solution. We have developed an excellent reputation for marketing abilities, quality of service and committed professionalism to a varied clientele. We have proudly accomplished many things in contracting and trading fields and look forward to contribute more towards the values of the State and its development. We are highly qualified and experienced in the field of MEP, Interior fit out, Tensile Architecture and Trading division.

We are well equipped with all kinds of infrastructure and other facilities to handle multiple high volume projects in the State. Our work encompasses multitude of simple and complex projects that require attention to specific details, thorough knowledge of the requirements, strategic planning, abundant resources and efficient execution.

Electra Engineering is Specialized in Design, Engineering, Supply and Installation of Car Parking shades, Tensile Membrane Structures Fabricated Steel Structures and Blinds. We have expert team for Design, Engineering, Fabrication and Installation of Tensile Membrane Structures.
OUR SERVICES

- CAR PARKING SHADES
- SWIMMING POOL SHADES
- PLAY AREA SHADES
- WALKWAY SHADES
- ROOF SHADES
- STADIUM SHADES
- WINDOW SHADES - ROLLER BLINDS, HORIZONTAL BLINDS, AND VERTICAL BLINDS
HDPE

HDPE (High Density Polyethylene) mesh is a heavy duty knitted shade cloth designed for tensile membrane, shade structures and shade sails where fabric is placed under large pre-stress. HDPE mesh is suited to large commercial projects where specifications require fabric exposed to environmental conditions including wind, rain, hail, dust and UV exposure. Woven HDPE construction offers maximum Ultra Violet A & B protection.

PVC

PVC (Polyvinyl Chloride) membrane is the most widely used tensile membrane fabric. PVC is commonly produced in white, but can be produced in a multitude of colours depending on individual project requirements. When produced in white, this flexible fabric membrane reduces radiant heat gain, keeping interior temperatures cooler in warmer environments.

Polyester Reinforced PVC Architectural Fabrics are the most cost effective and the most prevalent in Tensile Architecture. These fabrics, which are typically coated with PVDF lacquer on both surfaces to improve the life of the membrane and also provide for effective cleaning of both surfaces, have a lifespan exceeding 20 years.

PTFE

PTFE is the most durable Architectural Fabric available today. PTFE (Poly Tetra Fluoro Ethylene) coated high transluency glass fibre fabric is a dynamic tensile material unmatched for its aesthetics and durability, making it ideal for tensile membrane structures and shade structures.

PTFE is essentially inert to environmental contaminants, ultra-violet light, has fire resistant properties and a proven lifespan exceeding 30 years and withstands temperatures from -73 to +232 degrees Celsius. This fabric membrane is readily rinsed by rainwater. Under normal conditions, the fabric behaves elastically and does not undergo significant stress relaxation or creep.

ETFE

ETFE (Ethyl Tetra Fluoro Ethylene) is a strain of Fluoro Polymer foil is lightweight (1% of equivalent-sized glass panel), highly transparent to UV light similar to glass, is not degraded by sunlight, has better insulation properties than glass, is recyclable and can take up to 400 times its own weight. ETFE has been used on many high profile sports centres and stadiums.

Brands we serve:

[List of brand logos]