MEMBRANE STRUCTURE

FIRST MANUFACTURER IN BANGLADESH
ALM Tensile Membrane Structure Limited is the first Tensile Membrane Structure manufacturer in Bangladesh. Our mission is to apply world’s latest and best available technology to manufacture locally and design most efficiently lightweight tensile membrane structure suitable for our country. Our first project is the design and construction of Tensile Entrance Canopy for Radisson Bay View Hotel, Chittagong completed in September 2014.

Experienced Management and Engineers of ALM TMSL are always focused on design, manufacture and erection of best quality Tensile Membrane and required steel structure for customer satisfaction.

Engr. H M Jahidul Islam is the chairman of ALM Tensile Membrane Structure Limited, he has 15 years of experience in steel building technology and is serving as general secretary of Steel Building Manufacturers Association of Bangladesh SBMA. Ar. Golam Morsalin is acting as a managing director of ALM Tensile Membrane Structure Limited, he is a BUET graduate and is specialized in tensile membrane structure. He completed his post graduation on Tensile Membrane Structure from Germany and awarded “Archineer” for the first time in Bangladesh in 2013.

ALM Tensile Membrane Structure Limited is a sister concern of ALM Steel Building Technology Ltd. ALM Steel Building Technology Ltd. is an ISO 9001:2008 certified company for manufacturing and erection of best quality steel building and self-supported arch roofing system. ALM Membrane Technologies is established with a mission to provide latest Tensile Membrane technology to our country. Quality products, design and services are our first priority for our every client.

**Quality Policy of Alm**

The quality policy of ALM Membrane Structures is to manufacture and design best quality tensile membrane structures and install environment friendly way by following standard practice which will recognize ALM as a Quality Leader in the field of tensile membrane structure in Bangladesh and abroad.

**Tensile Membrane Introduction**

Tensile membrane structure is a new kind of building structure. With the help of steel frame, column or cables and membrane produce sufficient tension in order to produce a form of minimum shape which provides structural stability. Double curvature of the surface is a basic character of tensile membrane which gives it dynamic sculptural form and shape. The dynamic appearance, translucency, lightweightedness and strong body sculpture fully demonstrate the humanistic spirit of the building as well as gives very modern impression to the building.
ALM has achieved several quality certificates, which make ALM distinguished among others.

**Application Types**
- Construction Tensile Membrane
  - Landscape application
  - Fairs & Expos
  - Stadium Roofs
  - Airports
  - Interior Applications
  - Bus or Rail Stations
  - Gas Stations
  - Toll plaza
  - Sculptures
  Tent Structure
  Sun Shade

**Corner Detail**

**Features of Tensile Membrane**
1. Sculptural Shapes
2. Translucency
3. Lightweight
4. Large span coverage
5. Fire retardancy
6. Self-cleaning
7. Better economic effectiveness
8. Shorter construction cycle
Tension roofs or canopies are those in which every part of the structure is loaded only in tension, with no requirement to resist compression or bending forces. Maritz Vandenberg, Soft Canopies
Completed Projects

RADISSON BAY VIEW HOTEL
CHITTAGONG (Entry Porch, 660 sqm total 8 cones)
Building Shade

Completed Projects

MAISHA PROPERTY DEV. LTD.
BOSILA, SAVAR (Entry Porch, 662 sqm)
Completed Projects

**ELECTRO VENTURE LTD.**
DHAKA (Entry Porch, 16 sqm)

**RAJENDRAPUR** (Entry Porch, 52 sqm)
KHULNA ICE & COLD STORAGE LTD.
KHULNA (Entry Porch, 278 sqm)

UNIFIL GROUP (AMAN KNITTING)
HEMAYETPUR, SAVAR (Entry Porch, 32 sqm)
Completed Projects

NAVANA REAL ESTATE LTD.
GULSHAN-2, Dhaka (Entry Porch, 22 sqm)

CHINA EMBASSY CANOPY SHADE
BARIDHARA, Dhaka (Entry Porch, 26 sqm)
Building Shade

Completed Projects

AMERICAN INTERNATIONAL SCHOOL
BARIDHARA, Dhaka (Entry Porch, 115 sqm)
Completed Projects

**Building Shade**

**ROOF TOP SHADE PEB CHAIRMAN HOUSE**
NIKUNJA-1, Dhaka (Entry Porch, 125 sqm)

**BASHUNDHARA CITY CANOPY SHADE**
PANTHAPATH, Dhaka (Entry Porch, 10 sqm)

**BRITISH AMERICA TOBACCO (BAT)**
DOHS MOHAKHALI, Dhaka (Entry Porch, 12 sqm)

**LAB AID MD HOUSE**
DHANMONDI, Dhaka (Entry Porch, 10 sqm)
Building Shade

Completed Projects

AMINBAZAR MOSQUE SHADE
SAVAR, Dhaka (Entry Porch, 130 sqm)
Completed Projects

LAB AID OUT DOOR PHARMACY
DHANMONDI, Dhaka (Entry Porch, 40 sqm)

SOLIDARIDADE NETWORK ASIA
JESSORE (Entry Porch, 420 sqm)
Building Shade

Completed Projects

SOLIDARIDADE NETWORK ASIA
KHULNA (Entry Porch, 670 sqm)
Completed Projects

**Building Shade**

**ARMY OFFICER CLUB (TENSILE CANOPY)**
DHAKA CANTONMENT (Entry Porch, 4,800 sqm)

**CHINA EMBASSY CANOPY SHADE**
BARIDHARA, Dhaka (Entry Porch, 26 sqm)
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Building Shade

HATIRJHEEL PRIVATE HOUSE
HATIRJHEEL, Dhaka (Entry Porch, 13 sqm)

Completed Projects

JESSORE CANTONMENT (TENT)
JESSORE (Entry Porch, 12 sqm)
Completed Projects

DPS STS SCHOOL
UTTARA, Dhaka (Entry Porch, 158 sqm)
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**Roof Top**

**Completed Projects**

**MAPLE LEAF HOTEL & RESTAURANT**
DHAKA (Entry Porch, 121 sqm)

**SENA MALANCHE**
DHAKA (Entry Porch, 16 sqm)
Completed Projects

AWR REAL ESTATE CO. LTD. (NIB TOWER)
BANANI, Dhaka (Entry Porch, 91 sqm)

BANANI CLUB LTD.
BANANI, Dhaka (Entry Porch, 120 sqm)
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DR. MAHBUB ROOF TOP SHADE AT NIKUNJA
NIKUNJA-1, Dhaka (Entry Porch, 48 sqm)

ALLIANCE GROUP (ROOF TOP SHADE)
PROGATI SARANI, Dhaka (Entry Porch, 20 sqm)
Completed Projects

AMARI HOTEL
GULSHAN, Dhaka (Entry Porch, 90 sqm)
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Completed Projects

TOSHRIFA IND. LTD.
GAZIPUR (Entry Porch, 320 sqm)

CHARUKALA INSTITUTE
DHAKA UNIVERSITY (Entry Porch, 50 sqm)
Completed Projects

R.K. GROUP CHILDREN PARK
NARAYANGONJ (Entry Porch, 116 sqm)
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Completed Projects

DOHS LAKE PARK SHADE
MOHAKHALI DOHS, Dhaka (Entry Porch, 19 sqm)

SHARIATPUR POLICE LINE
SHARIATPUR (Entry Porch, 30 sqm)
Completed Projects

ARMY OFFICER CLUB (GLASS CANOPY)
DHAKA CANTONMENT (Entry Porch, 90 sqm)

THE CIVIL ENGINEERING LTD.
GULSHAN-2, Dhaka (Entry Porch, 32 sqm)
UNITED PROPERTIES SOLUTION LTD.
GULSHAN-2, Dhaka (Entry Porch, 22 sqm)
Completed Projects

SQ Celsius Ltd, Valuka, Mymensingh (Entry Porch, 112 sqm)

IFAD AUTOS (Front Shade) DHAKA (Entry Porch, 33 sqm)
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Completed Projects

BGB GALLERY SHADE
BENAPOLE (Entry Porch, 245 sqm)
Gallery Shade

Completed Projects

CHITTAGONG CLUB LIMITED
CHITTAGONG (Entry Porch, 132 sqm)

HATIRJHEEL GHAT SHADE
HATIRJHEEL, Dhaka (Entry Porch, 128 sqm)
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Car Parking

Completed Projects

RB INDUSTRIES LTD. (PARKING SHADE)
CHITTAGONG (Entry Porch, 77 sqm)

EAST COAST GROUP CHAIRMAN HOUSE
GULSHAN-2, Dhaka (Entry Porch, 27 sqm)

EAST COAST GROUP (PARKING SHADE)
GULSHAN-1, Dhaka (Entry Porch, 55 sqm)
Completed Projects

BRITANNIA PACKAGING LTD.
SINGAIR, Manikganj (Entry Porch, 179 sqm)

CADET (EPYLLION GROUP)
GAZIPUR (Entry Porch, 110 sqm)
Completed Projects

SAMPAN FILLING STATION
GOPALGONJ (Entry Porch, 318 sqm)
Tent

Examples
EXAMPLES

Tent