



AMPLISPAN STRUCTURES

Large span aluminium structures from Libart.

Winner of the SHELL DESIGN AWARD, the INTERNATIONAL TROPHY FOR TECHNOLOGY, and the EUROPE AWARD FOR DESIGN



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LIBART

ENCLOSURE SYSTEMS

ADVANTAGES:

LOW MAINTENANCE

The corrosion resistant properties of aluminium ensures low maintenance requirements over the Lifespan of the building and no painting is required. It is particularly suited for highly corrosive environments such as coastal areas, swimming pool enclosures, reservoirs, bulk storage facilities.

COST EFFECTIVE

Amplibeam's excellent strength to weight ratio allows clear spans of up to 50 metres for typical arch profiles, and 65 metres in dome structures. The efficient use of aluminium in the AmpliSpan makes it a competitive alternative to conventional steel structures.

EASY ERECTION

Lightweight characteristics of aluminium allow for easy and efficient erection and lend it ideally to remote sites where off-loading and erection facilities are limited. The company has developed a unique method of erecting the structures using a manually operated "A" frame lifting system. Most of our structures can be erected on sites using only one foreman and three labourers at ground level with no cranes required.

AESTHETICS

The unique mesh pattern of the AmpliSpan's web and the "space-age" look of Aluminium, creates an elegant futuristic look in the structures. For architectural purposes the aluminium can also be powder coated or anodized in various colours.

REDUCED TRANSPORT COSTS

The lightweight characteristics of aluminium significantly reduce the tonnage versus conventional steel structures to be transported to sites. Significant savings can be achieved for long distance transport.

REDUCED FOUNDATION COSTS

The lightweight aluminium structures significantly reduce the imposed loads on the foundations and are particularly suited to sites with weak subsoil. Most of our structures only require mass concrete footings.

TYPICAL APPLICATIONS INCLUDE:

- COMMUNITY HALLS
- SPORT CENTRES
- HELICOPTER HANGARS
- CHICKEN HOUSES
- INDOOR RIDING SCHOOLS
- MARKET STALLS
- FACTORIES
- SCHOOL HALLS
- GYMNASIUMS
- MILITARY RAPID DEPLOYMENT
- GREEN HOUSES
- CARPORTS
- FILLING STATION CANOPIES
- BULK STORAGE
- EXHIBITION HALLS
- AIRCRAFT HANGARS
- BUS SHELTERS

USING INNOVATIVE DESIGN, UP TO 50 METRES CLEAR SPANS CAN BE ACHIEVED!