

Inflatable Buildings & Portable Structures

From the world leaders in the manufacture of aerostats, airships, air cell structures, gas balloons & tethered balloons



Super Pressure Structures
Drop Stitch Technology
Air Cell Technology



WDA Inflatable Portable Exhibition Halls



AIR CELL STRUCTURES

Lindstrand Technologies produces a standard range of inflatable structures such as hangars and shelters, storage and decontamination units as well as bespoke buildings and permanent roofs which are designed to the customer's specific requirements.

Air cell structures are advanced constructions made with two layers of material with fabric formers in between. They are self-supporting by means of air fans with no need for foundations, hardware or guy wires. Air cell structures can be used in practically any environment and are ideally suited to both military and civilian applications.

AV Dome



SUPER PRESSURE STRUCTURES

These impressive buildings use over pressurisation in the entire structure, i.e. it is completely sealed to the ground and entry / exit to and from the structure is either through an air lock with two doors or through a revolving door.

This technology has been used to produce the award winning AV Dome. It is at its most impressive at night when used in conjunction with a highly advanced projection system inside the structure which projects images onto the dome's surface giving a 360° seamless, high definition video seen from inside and outside.

DROP STITCH STRUCTURES

Drop stitch structures are fast to inflate and deflate and are the best way to achieve a completely flat surface which can be walked over. This technology can be applied to loading support for use in the trucking industry, inflatable flood walls and inflatable fenders for use in the ship painting industry, and are available in thicknesses from 5cm to 50cm.

Using drop stitch, Lindstrand Technologies has produced award winning structures which have been recognised by the IFAI (Industrial Fabrics Association International).

Military Aircraft Hangar



INFLATABLE HANGARS & SHELTERS

INFLATABLE PERMANENT ROOFS

SUPER PRESSURE STRUCTURES

INFLATABLE STORAGE & DECONTAMINATION UNITS

Inflatable Loading Bays





Heathrow Bus Terminal Roof

COMPANY AWARDS

IFAI (*Industrial Fabrics Association International*)

AWARDS OF EXCELLENCE

2003 Alcan Loading Bay System, USA

2003 WDA 'Thought Bubbles', UK

OUTSTANDING ACHIEVEMENT AWARDS

2001 Magna Science Centre, UK

2006 Heathrow Bus Terminal Roof, UK

2007 AV Dome, Worldwide

2008 Inflatable Flood Barrier, USA

PERFORMANCE TEXTILES ASSOCIATION

2004 Winner of the Pertexa Industry Award and the Innovation Category

2005 Highly Commended - Innovation Category



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