Inflatable Buildings & Portable Structures
From the world leaders in the manufacture of aerostats, airships, air cell structures, gas balloons & tethered balloons
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.

**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).
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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