

Introducing

# Your complete tensile building solution



from Collinson Construction



**Collinson**  
Construction.

**TENSILE**

# A UK leader in tensile structures

Our tensile construction division has been delivering high-quality tensile buildings in the UK and Ireland for 20 years, drawing on five decades of international research and development experience in tensile building technology.

We've become recognised experts for delivering tensile buildings for projects across various sectors, including sports and leisure, warehouse and logistics, ports and harbour, aviation and hangars, waste and recycling and others.

What sets us apart in this field is our reputation for excellent quality, attention to detail and customer care. You can be confident of a professional service from project conception to completion.



# Is it the right solution for your project?

Tensile structures can be used for a wide variety of building applications, and really come into their own when you require a high-performance solution to cover a large area.

Essentially, tensile buildings are created through a lattice steel framework which is covered with a heavy-duty architectural membrane.

The structure allows daylight to permeate into the building to create a pleasant internal environment, and the clear span nature of the structure maximises space.

Depending on your requirements, they can offer a competitive solution compared to more traditional building methods and can be completed relatively quickly.

Above all, tensile buildings create a safe, robust, reliable and long-lasting building solution.

Collinson has successfully delivered tensile projects in the following sectors:



Sports Halls



Training Facilities



Warehouse and Logistics



Port and Harbour



Aviation and Hangars



Waste and Recycling



Bulk Solids Storage



Biomass



Custom Fabric Buildings



# How does tensile perform?

## A guide to our technical specification

A tensile solution can offer many advantages for your building project. The performance features of our tensile technology include.

**Cost-effectiveness**  
Tensile offers a competitive solution compared to more traditional alternatives, particularly when covering large areas. Your overall project cost is lower and time on site is also reduced.

**Customisable access for your needs**  
Tensile structures are easily customisable depending on your requirements. For example, a wide range of door options can be accommodated for your needs, including sectional doors, roller shutter doors, vertically folding doors, sliding doors and personnel doors.

**Safe and reliable**  
The structure is manufactured from strong cold-rolled and tubular steel, designed to meet wind and snow load conditions.

**Natural daylight**  
The semi-translucent membrane allows daylight to flood the interior, providing a bright and welcoming environment. This can significantly reduce electricity usage needed for lighting in daytime.

**Unique preconstraint technology**  
This ensures that the fabric membrane cover does not lose its structural integrity when tensioned to the steel superstructure. It has three times the tension retention of conventional fabrics. This prevents water ingress and improves longevity. A revolutionary 'low wick' treatment also prevents moisture tracking within the fabric and keeps it looking fresh.

**Low maintenance**  
Only solid steel bracing is used on the structure, which means you will not need to re-tension the structure and fabric during the lifetime of the building.

**Anti-corrosion qualities**  
The powder-coated steelwork provides a tough, durable, and smooth finish. Application thickness can be varied to suit even the most corrosive of environments, such as coastal regions and where hazardous materials are stored.

**Fire safe**  
The fabric is tested to BS7837 and BS7157. It will not propagate flame or sustain combustion. In the event of a fire the fabric falls away, purging heat and preventing structural collapse.

**Superior weather protection**  
The fabric membrane is factory welded for maximum strength and installed as a single-piece cover. This minimises on-site fabric welding which means no leaking seams or weak joints.

**Long lifespan**  
Our tensile structures offer a permanent building solution that will provide you with many years of service. The tensile membrane cover has a design life of around 35 years. In due course it can be removed and is fully recyclable. A new membrane can be installed over the existing steel superstructure. An overall building lifespan in excess of 50 years could reasonably be expected.

**Flexible design and relocatable**  
Various structural profiles are available to meet the specific requirements for individual projects and planning conditions. The structure is also demountable and can be re-erected at a new location if required in future.

**Proven in extreme climates**  
The tensile building system used by Collinson has been used in hurricane zones, high-snowfall regions, coastal areas, and desert environments. You can be reassured that your building will withstand the harshest conditions.

**A strong identity**  
Logos and images can be screen printed onto the fabric, allowing you to have business or product visibility or accommodate specific marketing and brand identity requirements.

**Unbeatable Size**  
With the ability to clear span up to 100 metres wide, your building will be free from obstructive internal columns allowing you to maximise the space available.

**Bespoke structures**  
With a choice of standard or bespoke designs available, your building can be customised to meet specific project challenges for aesthetics and functionality. Structures can be left open-sided if needed or adapted to accommodate supporting steelwork for conveyors or runway beams for bridge cranes. Retaining wall systems and bunkers can also be created for bulk solids storage.



# Why use Collinson for your tensile building project?

We're backed by five decades of international expertise.

Collinson utilises Best-Hall technology for its tensile building projects. Founded in Finland in 1975, Best-Hall has become a world-leading manufacturer of steel-framed, fabric-covered structures, having delivered over 5,000 buildings worldwide. Collinson is the sole UK distributor for Best-Hall tensile products.

*"The Bears High-Performance Centre is wonderfully built. It facilitates world class preparation in an elite environment."*

**Pat Lam**  
Director of Rugby  
Bristol Bears

## ✔ Unrivalled knowledge

As a forerunner of modern tensile buildings in the UK, we have developed a deep product knowledge and practical experience. We have delivered tensile projects in a variety of locations, including harsh coastal environments and parts of the UK that experience seasonal extremes in temperature.

## ✔ Working in true collaboration

We are committed to helping you achieve your goals by acting as a trusted construction partner. We listen carefully to what you want to achieve and offer sensible, practical, and no-nonsense advice on the best building system to meet your requirements.

## ✔ A comprehensive service

We have a highly skilled in-house design and projects team, complemented by a hugely experienced on-site construction and installation team. It means we can work with you to take your project from conception through to completion.

## ✔ We genuinely care


We take a personal approach to working with our clients and keeping them updated at every stage of the process. We care about lasting relationships too. For us, the project doesn't end when we're finished on site. We ensure you are completely happy with your building and the service we've provided.

## ✔ Sector experience

We have a deep understanding of the sectors we work in, including relevant design guidelines and regulatory environments. Whether port and harbour buildings, warehousing and logistics, sports and leisure, and many others, we have built true sector expertise.

## ✔ A commitment to aftercare

We have a dedicated in-house aftercare team to support you following project completion and handover. We will provide you with all contact details for our team, which will also be recorded in the operation and maintenance manual we provide to you upon completion.



*“Collinson are by far the best company we have ever worked with, we were barely aware that a new building was undergoing construction. The project manager held regular meetings to keep us up to date on progress, the attention to detail on the financial tracking side of the project was spot on and ensured the project was delivered on time, and within budget.”*

**Wendy Bremner**  
Business Manager  
Chauncy School

# Let's build something great together

Get in touch for an initial discussion about your next project. Our friendly, knowledgeable and expert team can guide you through your options.

Part of:



#### CONTACT DETAILS



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