BASE

Base Structures UK Ltd

PQP Document - April 2020

BASESTRUCTURES.COM

Company Details

Trading Address: Base Structures UK Ltd,
Knowle West Media Centre,
Leinster Avenue, Bristol, BS4 1NL,
United Kingdom

Telephone: +44 (0) 117 911 5250

Website: www.basestructures.com

Email: sales@basestructures.com

Registered Office: 4 Kings Square, Bridgwater,
Somerset, TA6 3YF, United Kingdom

Company Number: 08299940

VAT Number: GB 253 1337 30

Date of Incorporation: 20th November 2012

Bank Details
Name of Bank: Lloyds Bank
Account Number: 55424568
Sort Code: 30-90-54
IBAN: GB72 LOYD 3090 5455 424568
IBAN BIC: LOYDGB21090

Company Overview

Base design and build world class fabric structures across the globe. From iconic architectural fabric structures that define a building, to standard fabric canopies that make a statement, our fabric experience is unrivalled and our commitment is uncompromising.

We also offer temporary and exhibition structures.

Capabilities

Design

Working with a range of experienced external tensile fabric engineers and softwares such as NDN, AutoCAD, Rhinoceros, SketchUp, Indesign and Photo-shop we can offer fabric patterning and detailed fabrication drawings for the production of fabric membranes and rendered visuals for presentations.

Project Management

Project managers are responsible for estimating their projects as well as seeing them through to completion and issuing Operations and Maintenance manuals, thereby ensuring continuity with the client and Main Contractor.

Manufacture

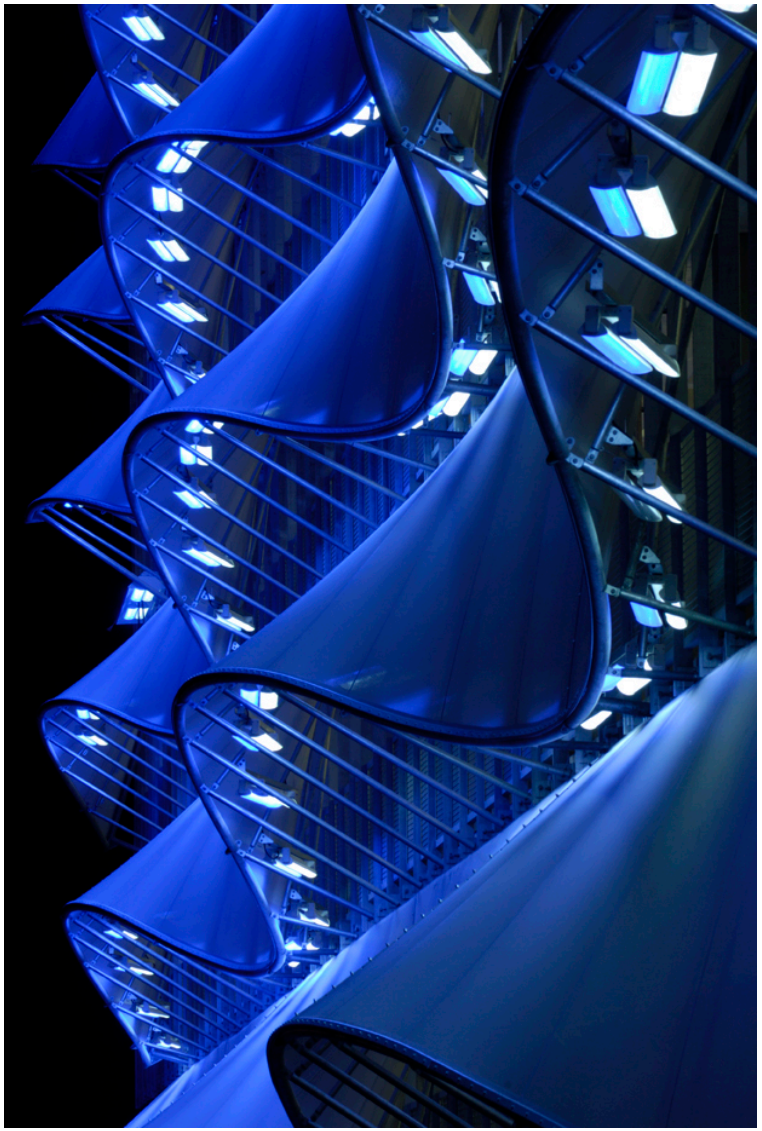
All fabric membranes are cut and seamed in a controlled environment and Biaxial and Uniaxial testing is carried out where appropriate. We offer a range of fabrics from PVC/polyester, PTFE coated glass, Tenara and Silicone coated glass fabrics and fabrics for interior applications including lycra and silks.

Installation

Our installation team has considerable experience of installing tensile fabric structures and includes SMSTS trained site managers and SSSTS trained site supervisors as well as IRATA trained rope access riggers. They are experienced in a wide range of innovative installation methods including using work platform nets.

Maintenance

The Installation department also runs an Inspection and Maintenance service that ensures the client has support for the entire design life of their structure.



Insurance

Employer's Liability: £10m
Insurer: CNA Insurance Company Ltd
Policy Number: 10268075
Renewal Date: 4th October 2020

Public/Products Liability: £10m
Insurer: CNA Insurance Company Ltd
Policy Number: 10268075
Renewal Date: 4th October 2020

Professional Indemnity: £1m
Insurer: Hiscox
Policy Number: PL-PSC10001542050/00
Renewal Date: 4th October 2020

Contract Works: £600k
Insurer: The Northern Marine Underwriting Ltd
Policy Number: EAA041939675
Renewal Date: 4th October 2020

Hired In Plant: £500k
Insurer: The Northern Marine Underwriting Ltd
Policy Number: EAA041639675
Renewal Date: 4th October 2019

Base Structures UK Ltd

HEALTH & SAFETY POLICY STATEMENT

The Management of Base Structures UK Ltd recognises that:

- It has a legal duty of care towards protecting the health and safety of its employees and others who may be affected by the Company's activities
- Managing health and safety is a business critical function.

In order to discharge its responsibilities, the management will:

- Provide an organisational structure that defines the responsibilities for health and safety.
- Conduct regular management reviews of Health & Safety performance, set objectives and targets and revise policies and procedures to pursue a programme of continuous improvement.
- Provide adequate resources to control the health and safety risks arising from our work activities.
- Encourage staff to identify and report hazards so that we can all contribute towards improving safety. It is essential that every employee recognises their respective duty to co-operate with our policy to work safely and to prevent any other person from being exposed to unnecessary risk.
- Appreciate that safe working practices are not separable from normal working practices and encourage all employees to ensure that all reasonable caution is exercised in undertaking their work.
- Communicate and consult with our employees on matters affecting their health and safety.
- Maintain our premises and provide and maintain safe plant and equipment.
- Provide information, instruction and supervision for employees.
- Provide adequate training and ensure that all employees are competent to do their tasks.
- Carry out and regularly review risk assessments to identify proportionate and pragmatic solutions to reducing risk.
- Eliminate risk through selection and design of buildings, facilities, equipment and processes. Where risks cannot be eliminated, they will be minimised by the use of physical controls or, as a last resort, through systems of work and personal protection.
- Only engage contractors who are able to demonstrate due regard to health and safety matters.
- Set and achieve realistic health and safety targets as part of the organisations desire for continuous improvement.
- Bring this policy statement to the attention of all employees.

This health and safety policy will be reviewed at least annually and revised as necessary to reflect changes to the business activities and any changes to legislation. Any changes to the policy will be brought to the attention of all employees.

Signed: **Dated: 27th September 2019**

Matthew Dodson
Position: Managing Director **Review Date: 27th September 2020**

Base Structures UK Ltd - Registered in England No. 08299940
Registered Office: 4 Kings Square, Bridgwater, Somerset, TA6 3YF

Base Structures UK Ltd

Company Environmental Policy

At Base Structures UK Ltd we recognise that our operations can directly affect the environment so we continuously examine our environmental performance and identify the areas of our business and activities which interact with the environment.

We are passionate about protecting the environment and are committed to going beyond simple compliance and truly seek ways to develop a culture of conservation and not just reduce or offset our impacts to the environment but completely remove them wherever possible through positive action as well as proactive and responsible policies, practices and training.

We will work with our clients, subcontractors, suppliers and all our employees to consider Aspects and Impacts of our operations throughout the life cycle of our works. We review the environmental implications of each stage and develop innovative solutions to reduce or remove impacts.

Our objectives are:

- Continual improvement
- 100% Compliant, safe & suitable working environment
- Reduce pollution and carbon emissions
- Zero waste to landfill
- Maintain employee engagement in environmental improvements through communication, training and performance
- Re-use fabric and packaging
- Reduce electrical & gas consumption
- Reduce paper consumption
- Increased recycling

To achieve this we will;

- Conduct regular management reviews of environmental performance, set objectives and targets and revise policies and procedures to pursue a programme of continuous improvement.
- Work with our customers to assess and minimise environmental impacts at design, planning and construction phases of projects and to produce products which can contribute to reducing environmental impacts where possible.
- Operate a continual improvement programme involving all employees that seeks to resolve identified environmental impacts
- Develop management processes and operational procedures to prevent pollution
- Adopt a policy of always utilising technology such as skype and video call over meeting travel, and where travel is absolutely necessary to select the least impactful way to travel and utilise public transport.
- Operate a re-use first policy for all end of life fabric canopies, and all other waste where possible.
- Continuously lead/drive the market in improvements in alternative materials for increased opportunities for recycling or re-use and sustainability in general

Base Structures UK Ltd

Company Environmental Policy

- Ensure openness of our environmental activities with all stakeholders including employees, customers, suppliers and regulators.
- We will comply with and where possible exceed all relevant environmental legislation and other statutory or industry requirements
- Provide a service that consistently satisfies and complies with the agreed requirements and expectations of its customers, and do so as economically and efficiently as possible through developing effective management processes and operational procedures.
- Involve employees in energy conservation and recycling initiatives and preventing pollution through training and awareness

Our works are subject to regular audit and review in order to continuously improve effectiveness, to detect and prevent possible errors and to ensure that the system supports the Company Policies and Objectives and remains adequate for the purpose.

This policy is communicated to members of the public, staff and other interested parties through our website.

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Matthew Dodson
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Testimonials

Lords Cricket Ground Nursery Pavilion

"We all consider that you have 'gone the extra mile' to achieve this completion, at all times keeping a positive attitude and being uncomplaining about the burden the weather caused. This is an achievement that your staff on site, and those managing the company, should be rightfully proud."

Stuart Holdsworth, Director, Structures,Capita

Up at The O2 Roofwalk

"We were extremely impressed by the ingenious problem solving methods of work that were employed by Base. The hard work ethic is also very prevalent within Base's organisation from Director level right through the workforce."

Jon Clayden, Senior Construction Manager, ISG

London 2012 Games Basketball Arena

"We have worked with other fabric contractors over the years. Frankly, Base has shown an altogether higher level of service and professionalism."

Alan Howatson, Barr Construction

Cardiff Multi Storey Car Park

"The MSCP Cardiff project was a pretty challenging brief. With Base we had the combined strengths of creative flair, rigorous design and a meticulous build quality that ultimately meant a higher performing end product for the client."

Stewart Bishop, McAlpine on the MSCP Cardiff project

Zaha Hadid Chamber Music Hall - Manchester International Festival

"No matter how complex and challenging the design, Base has always done what was required on time with as few issues as possible, exactly to brief. These guys are the masters in tensile creations– we're yet to find something they can't achieve."

Jack Thompson, Technical Director, Manchester International Festival

Portfolio

MSCP Cardiff

The client required a functional yet dramatic facade that would showcase the new development and help promote Cardiff Bay. The waved tensile fabric effect together with the changing blue and white illumination certainly provides the cutting edge structure they were looking for and has been dubbed the coolest car park in Cardiff.

There is a series of 6 scalloped tensile fabric facades spanning the width of the building, each are 120m long with integral DALI lighting systems programmed to change colour and create a rippling light show along the fabric. We designed, manufactured and installed the fabric facades including all the fixtures and fittings. We also designed and installed the lighting with the help of Control Lighting and Lighting Bureau.

WWT Slimbridge

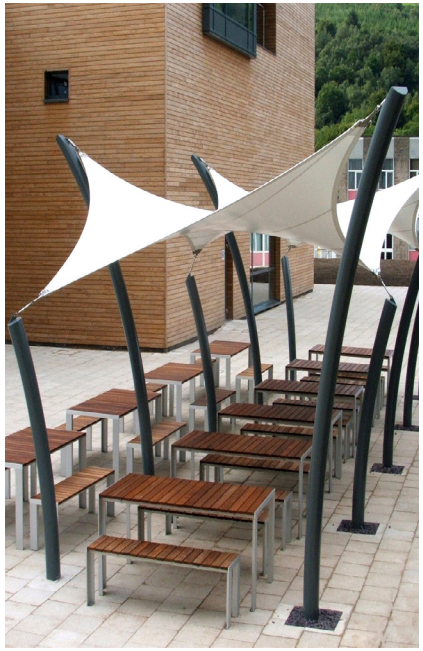
Slimbridge Wildfowl and Wetlands Trust required a new enclosure for a wading birds exhibit, one that would enable the public to get close to birds they may otherwise never see, including Redshanks and Avocets. To provide as natural an environment as possible the enclosure uses tough 25x25mm knotted polyethelene, a surprisingly unobtrusive material that is not visually dominating, for the birds or for the members of the public who can enter the structure. The enclosure was also designed to have as low an environmental impact as possible, in both it's material specification and construction processes. This was achieved using fully engineered timber posts to support the netting and by utilising construction techniques that required no concrete to be used for the foundations, making huge environmental savings.

We worked closely with the Trust to supply this enclosure in kit form, allowing them to use their own machinery and expertise to install the netting with minimal supervision from ourselves. This approach achieved savings of at least 50% for the Trust. The netting is designed to be easily raised and lowered from within the enclosure by using a simple system of ropes and pulleys, allowing easy access for maintenance and cost savings for the entire future of the structure.

Lords Cricket Ground

Not even the greatest, grandest and most iconic sports grounds in the world can afford to rest on its laurels. Quite to the contrary, the Lords Cricket ground has recently undergone a multi-million pound overhaul to ensure that the Ground "remains not only world-famous but truly world-class." For our role in this master plan, we were briefed to re-design, re-fabricate and reinstall a new roof over the iconic Mound Stand, a task of some magnitude that we delivered on time, below budget and ahead of schedule.

After eighteen years, the acclaimed 'tented' roof as it become affectionately known, had reached the end of its lifespan. A younger snappier model was needed to revitalize this world-famous national treasure. The Mound Stand's new roof shares the same look as its predecessor. Flamboyant multi cone fabric membranes soar skyward, sail like in their splendour, supported by their mast like props from the giant steel super structure below. There is further greatness in the constitution itself, advancements in fabric technology promise that this new roof can revel appreciably longer in all its splendid glory.

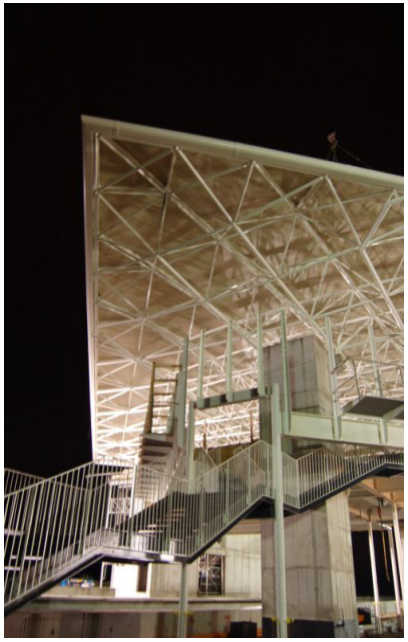


Coleg Gwent

Coleg Gwent is a college situated just outside Cardiff in Wales that prides itself on being a flagship provider of A-levels and vocational courses. A thorough refurbishment in 2010 has created an attractive and eco-friendly environment in which the students can academically further themselves, complete with solar panels, biomass boiler and rainwater harvesting.

To improve the recreational facilities for students the college wanted an exterior covered seating area, enabling the students to relax outside in comfort - even in the scorching Welsh summers and often damp winters. By choosing one of our standard structures, the Mendip Walkway, they managed to get the most from their budget. Despite being a pre-designed structure the Mendip Walkway can be extended ad infinitum, in this instance they required a length of four bays. If needed the structure can also accommodate changes in level and direction - standard has never been so adaptable. The lack of tie-rods on the steelwork means there are no trip hazards too, leaving only clean, sculptural lines for the students to relax beneath in style.

Portfolio



Adamstown Railway Station

We were asked to devise a fabric cladding system for our clients space frame roof to their new railway station. Fabric cladding is a great choice for this impressive and innovative structure because it allows more light into the interior space than more traditional cladding materials. We designed, manufactured and installed the fabric cladding to the existing steel space frame. Patrick Reilly, Resident Engineer of Iarnrod Eireann, recently commented on our outstandingly safe working practices on site saying: "Adamstown was executed with professionalism and the safe working practices shown by these operatives was a credit not only to themselves but also to your company. It is not often that one can be at ease, especially when working next to live operational railways, but the confidence installed in me by the operatives carrying out this job was welcomed - the way in which they ensured at all times the safety of the traveling public was again to be commended."

Le Pal Zoo

"We design a new enclosure every year at Le Pal and we're constantly striving to come up with new, innovative designs; learning from existing installations from all over Europe. Base Structures designed and built our South American aviary. Their steel mesh solution was stronger, altogether more attractive and gave us the freedom to do so much more with the available space. They are the ultimate professionals. Easy to work with, positive, responsible and, ultimately, get the job done. When other suppliers might let you down, you can rely on Base Structures 100 per cent."

Arnaud Bennet, Owner, Le Pal Zoo, France.

Incorporating over 2600m2 of stainless steel mesh the structure provides a visually stunning centerpiece to recent refurbishment work at the zoo. The hard wearing and durable stainless steel netting is able to withstand the both extremes of temperature and heavy winter snow loads found in this rural location, whilst keeping the zoo's treasured exhibits safe and secure. Base also provided bespoke 'airlock' type door structures, which facilitate close contact and interaction between visitors and fauna whilst resonating with the jungle theme of the enclosure.

Fynshav Sports Hall

The Soltis mesh vaulted interior ceiling to the sports hall is fabricated as a single piece measuring approximately 20m x 42m in plan and represents our second successful venture with BK Teknik who are our preferred partner for Danish construction projects.

The fabric is supported by a series of suspended headrings in the centre of the roof structure which is then pulled down and tensioned to a series of timber glulam beams via a traditional membrane plate and cable perimeter edge. The purpose of this membrane is not only to improve the appearance of the internal space but also to diffuse the natural light which enters the building via the extensive sky-lighting.

Abbey Wood Retail Park

Abbey Wood Retail Park in North Bristol commenced a £10 million revamp in March 2013, creating in excess of 100,000 square foot of retail space in an area located near offices, a University campus and a soon to be built football stadium for Bristol Rovers. With such an exciting mix of shoppers and future regeneration planned in the area, it was a key criteria for the new development to reflect the vibrancy and sophisticated expectations of the local shoppers and this feature canopy certainly delivers.

Standing proud with a large sweeping sail, the canopy greets shoppers like an old friend with outstretched arms as they enter the retail park. Adapted from one of our standard canopy structures, the Malvern 4P 700, this example dwarfs the original at nearly twice the size. Measuring 12m across, the fabric canopy provides plenty of shelter from both sun and rain, covering a large seating area for weary shoppers. Specified with grit polished stainless steel masts and a PTFE canopy, this structure will retain it's good looks for many, many years to come and a colour changing LED lighting system embedded in the floor transforms the structure after dark, bathing the canopy in a changing spectrum of colours visible to commuters on surrounding roads and railway lines.

Portfolio

Pollok Shopping Centre

Base Structures were asked to design and install a tensile fabric sheltered walkway 120m long, running from the shopping centre to the bus stops. This is the longest walkway of its kind that has ever been built and it spans between the shopping centre and the next door bus station. The walkway provides the shopping centre with an impressive and effective sheltered area for the customers.

We engineered, designed, manufactured and installed the fabric walkway canopy including the supporting steel structure, rigging cables and fittings. This installation was very successful, it was completed ahead of time and our clients are extremely pleased with the new walkway.

Up at the O2

It is daringly ambitious, completely unprecedented and utterly unique - and now it has been accomplished. The 'Up at The O2' experience, originally conceptualised by architects Rogers Stirk Harbour + Partners with Buro Happold, is a fabric walkway measuring 350 metres long and only 3 metres wide, suspended in the air over the roof of the The O2 in London. Adventurous climbers can walk across the thin fabric walkway, pausing in the middle on a purpose built central viewing platform to take in the views of the surrounding metropolis.

Despite the deceptively minimal appearance, constructing the roof walk was a massive undertaking using over 6,000m2 of bespoke PVC fabric, over 7km of steel cable and nearly 4,000 metal clamps, not to mention the fact that no crane in existence could actually reach the top of The O2 - instead every single tool, cable and section of walkway needed to be manually transported into place using an ingenious sledge system. Installation was successfully completed in time for the immovable deadline of the London 2012 Games, no small feat due to the wettest April since records began!

London 2012 Basketbal Arena

Standing proud against the East London skyline, the temporary Basketball Arena for the London 2012 Games is a structure of heroic proportions. A 'skeleton' frame measuring 30m high and spanning 96m, swathed in 20,000m2 of crystal white tensile fabric, the arena resembles a magnificent, gigantic ice cube.

Awesome seems a fitting word to describe it. The individual roof panels alone weigh 3/4 of a tonne each. A feat to behold, it was also a feat to install! If its awe inspiring presence in the Park wasn't enough, the stunning structure is set to become a London 2012 showman when it reflects the planned lighting display. Innovative and efficient, the structure had to deliver on many levels, it is the largest temporary structure on the Olympic Park.

Ousedale School

Ousedale School has been serving the community of Newport Pagnell, a small town within the borough of Milton Keynes, since 1963. In 2014 the school refurbished tired areas that included the History and ICT Block with a fresh, contemporary scheme. Extending the modern makeover outside, a fabric canopy was planned that would not only maximise the usable exterior space but to add an architectural flourish to the school grounds.

Drawing inspiration from the award winning Blencathra canopy we installed in nearby Campbell Park in Milton Keynes, we worked with the school to redesign the canopy to optimally suit their own requirements. A reduction in size from 16m to 12m resulted in a canopy that would sympathetically fit within the existing school landscape whilst still providing an impressive amount of shelter. Unlike it's bigger brother in Campbell Park, the demountable side and rear walls were completely omitted to create a permanently open structure.

The canopy has proven to be a hit with the pupils and staff alike, providing a new focal point and an added sense of identity to the school grounds. A perfect lesson on the flexibility of tensile canopy design!