

LANDSCAPE & URBAN DESIGN

53

Jan/Feb 2022

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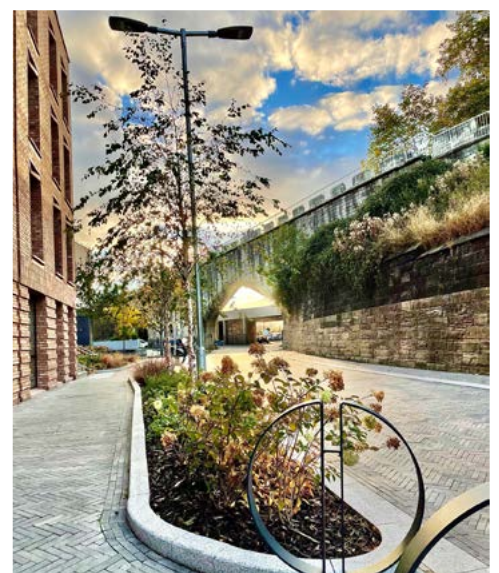
Outdoor living trends preview for Spring/Summer 2022

Dobbies look ahead to brighter days and unveils an exclusive first look at its Spring Summer 2022 collection



Symbiosis with Nature

One of the largest property development projects in Thailand



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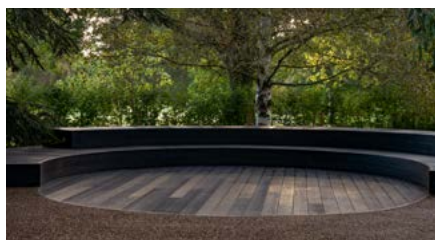


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Natural Zen from Dobbies Garden Centres featuring Tokyo sofa set, £1499; Arana Lantern Iron Medium, £19.99; pink velvet cushion, £14.99.

SPRING SUMMER 2022

- OUTDOOR LIVING TRENDS PREVIEW

The frost may be setting in but the UK's leading garden centre, Dobbies, is looking ahead to brighter days and has unveiled an exclusive first look at its Spring Summer 2022 collection.

Not your average garden centre, the carefully curated ranges from Dobbies' team of experts, has something to suit every style, size and budget. Dobbies' 2022 outdoor living collection builds on the trend of blurring the line between indoors and out and celebrates the flexibility of our outdoor living spaces, with a whole host of new ranges and enhancements to customer favourites.

Lynsey Abbott, Senior Buyer at Dobbies commented:

"We're delighted to unveil an exclusive preview of our Spring Summer 2022 collection that we're confident has something for everyone. Our vision for this collection was to celebrate our outdoor spaces, no matter their size or location, and build on the importance of your garden being a sociable space and extension of your home.

"Whether you use your outdoor space for dining, relaxing or spending time with family, the new collection will allow you to maximise your space and make the most of its flexibility, no matter your style.

"From laid back dining sets, perfect for alfresco family meals, to

contemporary drinks trolleys and bar sets to take your garden parties to the next level, the Spring Summer 2022 collection promises to help you make the most of your outdoor space, be it a balcony, courtyard, compact corner or sprawling lawn."

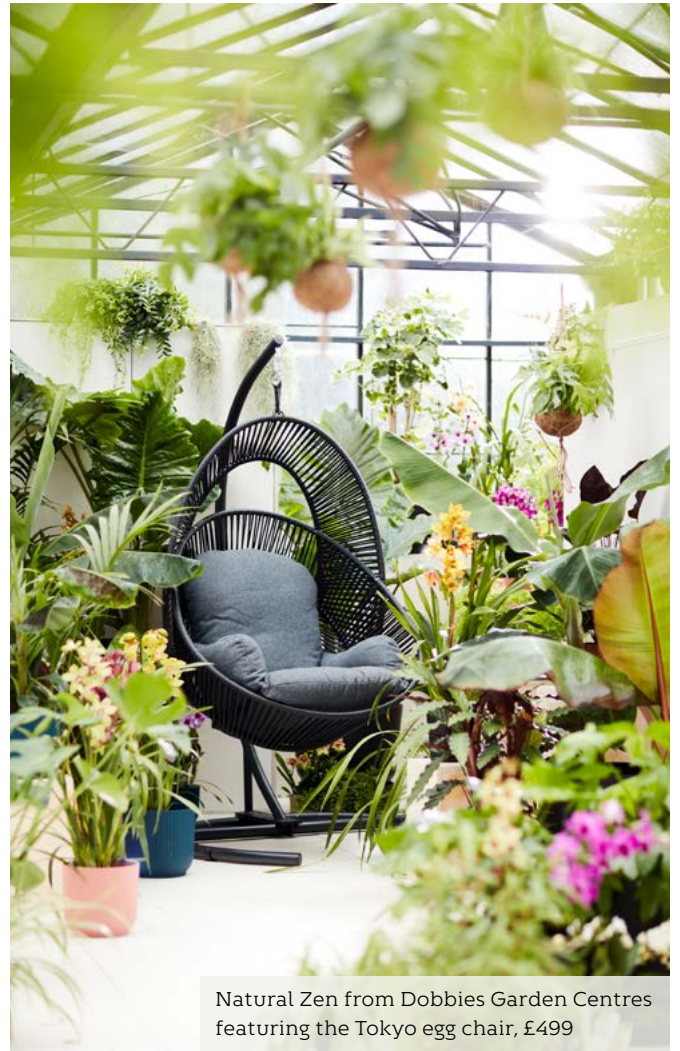
The all new outdoor 2022 themes:

SLOW LIVING

A soulful theme that inspires us to slow down and appreciate the world around us. Muted tones and colours that change with the light mirror the way nature around us ebbs and flows.

This theme features a number of new ranges, including Mazie which features a dark grey marl cushion

Slow Living from Dobbies Garden Centres featuring the Chester royal sofa set, £1999; Fiesta velvet cushion, £14.99; Dhadit cushion, £19.99; Dhadit throw, £29.99.

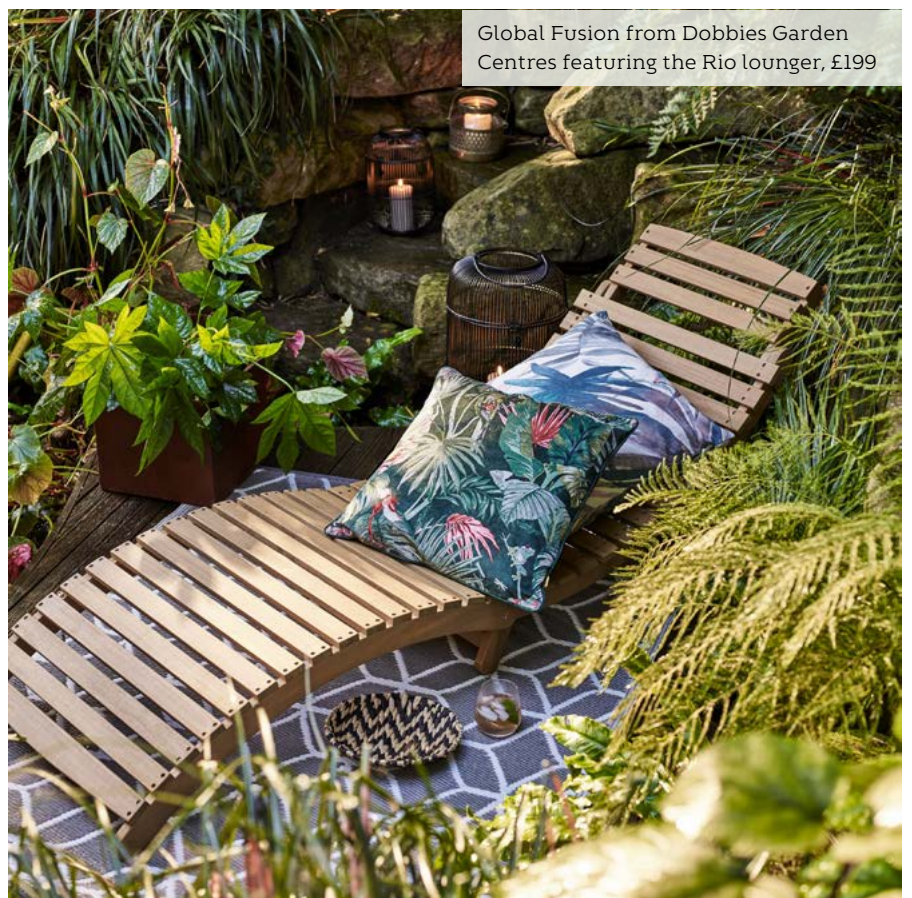


Natural Zen from Dobbies Garden Centres featuring the Tokyo egg chair, £499

and marble look printed glass tabletop; Turin, which is a great small space living option with balcony stacking set and modular conversational set; Avila, which is a contemporary resin range; the Sleek range which has been designed to be stackable and affordable; plus a colour update to our popular Chester range for a stylish yet classic lift.

NATURAL ZEN

An organic yet sophisticated blend of Japanese and Scandinavian design, East meets West in this contemporary, minimalistic style. A carefully curated range of modern styles that celebrate the simplicity of clean lines and beautiful shapes. Neutral tones are punctuated with sleek black and rose pink for a feminine touch. Furniture includes a mix of laid-back sofa sets, on-trend egg chairs and stylish dining options in cool grey tones.



Global Fusion from Dobbies Garden Centres featuring the Rio lounger, £199

GARDEN DESIGN

The new Astrid range has a strong indoor influence with textaline upholstery and exciting new pieces including a drinks trolley and a bar set. We've built on the popularity of the Tokyo set with a new sofa set and modern style swing seat. The Cintra family is new and has a modern shape, including wishbone chairs and a platform style sofa.

GLOBAL FUSION

A refined, blended look, inspired by the senses brought to life by travel. Chalky terracotta tones are married with pops of jaded teal for a worldly collection that evokes memories of past adventures and will bring a sense of zen and calm to your outdoor space. Handmade pottery, spices and sun-weathered architecture serve as inspiration for this theme.

The new Lisboa line features a premium teak table with delicate black resin chairs. Alps remains one of Dobbies' top selling ranges, but for 2022 there are new configurations, such as a 6-seat bar set, and a new colour way in 'pebble'. Our entry level Rio range is being extended with a stylish foldable sun longer and a 4-seat set.

Contemporary Country from Dobbies Garden Centres featuring Florence firepit 4 seat set, £2299; Olive bottle green pipe cushion (50x50), £17.99





Let's Celebrate from Dobbies Garden Centres featuring Freya dining set, £199

CONTEMPORARY COUNTRY

Urban dwellings inspired by a country cottage feel. Shades of green, inspired by rolling hills, are complemented by highlights of dusty pink to give this theme a more contemporary look and feel. Furniture includes classic and woven styles in rich and deep walnut tones.

New for 2022 is the Copenhagen range, introducing a traditional design in walnut colour. This is a classic foldable range with an affordable price point. Also new is the Acacia Wooden Bench set, which is a classic style with a sustainable

vibe. The new Florence range has a chunky ribbon weave, giving it a premium look, while our Tile Bistro set has an updated design which is perfect for small spaces.

LET'S CELEBRATE

A bold, colourful theme that celebrates the joy of being together and appreciating what's important in life. Bright pops of colour will inject personality and fun into your outdoor space, with form, functionality and value at the forefront of this theme alongside eye-catching aesthetics. A celebration of happiness, regardless of space, with outdoor

living furniture and accessories specifically designed to work well in compact areas as well as larger lawns.

The Freya set was a big hit in 2021 and has been enhanced for 2022 with a new pale pink option as well as a balcony and 4 seat set, while the Juno collection is also back offering a folding set with a parasol.

Launching in stores across the UK and online from Spring 2022.

0131 561 6406 | www.dobbies.com



PROBLEM SOLVING PLANTS

Many recent plant breeding innovations are as a result of wanting to produce a plant that solves a particular problem.

At Provender Nurseries we keep our ear to the ground and listen to what issues the industry and our customers have on a regular basis. As a result, we are tuned in to what the market has to offer and new innovations in problem solving plant introductions.

Of note are the following problem-solving plants we feel are worth a mention.

Easydendron, previously Inkarho Rhododendron is the Rhododendron you can plant anywhere. The secret to Easydendron Rhododendrons' success lies underground in the root system. Popular hardy hybrids and Yakushima Rhododendrons are grafted onto lime tolerant (Easydendron) rootstocks resulting

in a Rhododendron that will tolerate all soils, even heavy clay.

This innovation in Rhododendron breeding allows a wide choice of hardy, attractive coloured hybrids to be planted in otherwise once prohibited places now available to the trade. This inspirational idea originates from nurserymen in Germany who have taken 20 years of research to come up with a rootstock with new features.

Another worthy mention is Ilex crenata Luxus. The new Luxus series combines the best of both worlds with the best characteristics of Buxus and Ilex crenata all in one plant.

Ilex crenata Luxus has looks, strong growth, compact growth habit, requires minimal maintenance, the dark green glossy leaves hold their colour all year round and most importantly Ilex crenata Luxus is disease resistant.

It is an ideal choice for formal gardens, low hedges and topiary reaching an eventual height of 60cm in total if left unpruned. Ilex crenata Luxus is a male plant resulting in no berries after flowering.

Excellent for use in large commercial plantings, mass planting and for use in domestic gardens, balconies, patios and pots. Tolerant of pollution too, ideal for urban planting and is the perfect replacement for Box plants. Ilex crenata Luxus is disease resistant to Buxus Blight and Box Caterpillar Moth.

Both plant options and more problem-solving plants are available at Provender Nurseries all year round. Provender Nurseries are here to help on any projects you may have in the pipeline.


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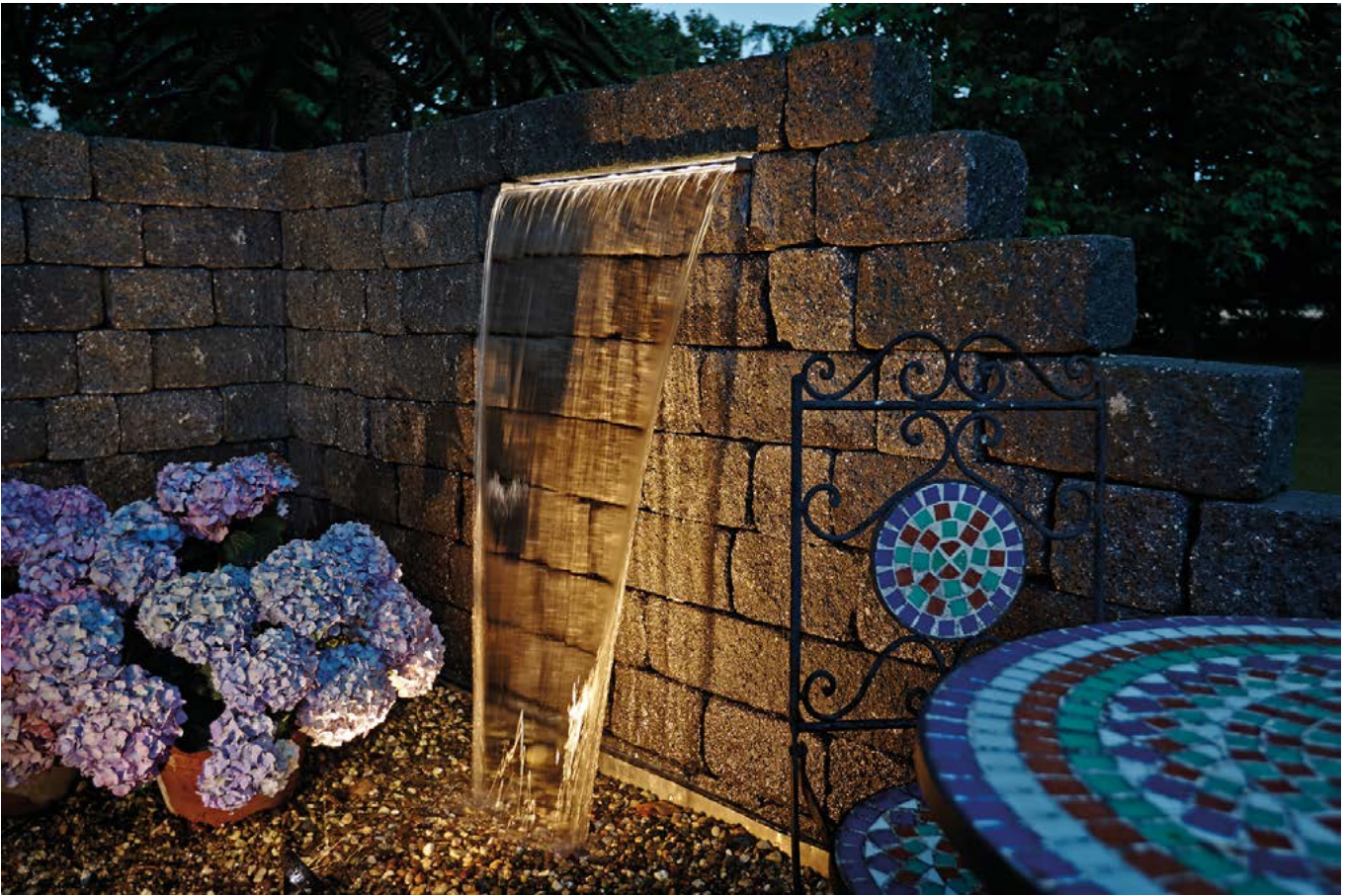


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HAVE YOU EVER FOUND YOURSELF STARING AT A FOUNTAIN?

Whenever you put people in front of moving water, the effect is typically the same: profound wonder. Children and adults will stop and stare, jaws will drop and heartbeats will calm. You can't quite explain it, but it's a magical feeling. Adding water to a project can seem daunting, but the results you can achieve make it worthwhile. And OASE is here to help.

It is not about how much space you have; it is about resourcefulness and a desire for design.

Moving water entices and delights and can provide a relaxing environment to all those who encounter it. If there's only a small space available it's worth looking at small self-contained features such

as a run of wall spouts. If you have a larger body of water then think about creating an arresting displays using the OASE PondJet floating fountain set.

The other thing to consider is the use of light. By adding lighting to water the display is able to come alive at night. Depending on the nature of the display, lights can be programmed to dance along with water jets.

OASE manufacture all of the technical components required to put any of these stunning displays together. Designed and manufactured in Germany OASE's technical competence and gives you peace of mind that your project is in safe hands.



Moving water with complementary lighting can add the finishing touch to any project.

Speak to OASE about how to add water to your project today
- enquiries@oase.com



Create wonder with moving water.

EASILY TRANSFORM A SMALL SPACE OR ENHANCE A LARGER BODY OF WATER WITH AN OASE WATER FOUNTAIN

With a wide range of OASE fountains to select from, it's never been easier to add the final touches to a landscaping project. A large fountain will draw eyes from all around and with a number of OASE lighting options, the fountain can shine day or night.

Even if the project doesn't have a large body of water, OASE have a large range of pond-free solutions to discover. Select from our self-contained Copper Bowls, Waterfalls, Wall Spouts that all make use of underground or hidden reservoirs.

By introducing moving water to your next project not only will it entice and delight anyone that see it, but it can provide a relaxing environment to all those who encounter it. And remember, moving water with complementary lighting can add the final finishing touches to any project.

OASE water feature for your next project: social.oase.com/waterproject



Oase 



DAVAL IS A FINALIST AT NORTHERN DESIGN AWARDS 2021 - AMAZING SPACE

Award-winning British designer and manufacturer of quality fitted furniture, Daval, is a finalist at the Northern Design Awards 2021, shortlisted for Amazing Space in the residential category.

The Northern Design Awards bring together designers, retailers and property developers in a celebration of Northern design and style, consisting of 22 prize categories across the commercial and residential sectors. Judged by the best in the business including Linda Barker and Wayne Hemingway, these awards serve to recognise excellence across the North of England and are sponsored by

Haywoods International and The Cheshire Magazine.

The winners will be announced on 24 November 2021 at a gala event at The Concorde Centre, Manchester Airport. The highly coveted Amazing Space award serves to recognise residential interior projects that break the mould; not only being visually stunning but delivering exceptional modern luxe, functionality and innovative style, making the Daval entry - an innovative garden room project a strong contender.

This bespoke garden room project is complete with outdoor kitchen

living space in partnership with local oak building specialists, Paragon Oak. Both award-winning companies are based in West Yorkshire, a mere 11 miles apart, so it was easy for the lead designers to collaborate to create a Daval kitchen living space within a Paragon Oak oak-framed building for a manor house in West Yorkshire. This instantly added an extra dimension to the living and entertaining spaces available for family members and guests in the client's rural property. The Mayfair kitchen in Talpa, a contemporary matt finish in taupe, is the ideal choice to complement the natural oak hues of the timber.



Simon Bodsworth, Managing Director at Daval says, "With an upsurge in investing in the home and garden predicted for 2022, the luxury kitchen market is willing and able to support property owners and developers who are keen to optimise their surroundings as home comforts continue to be of prime importance. Hybrid and home working has brought new options to the work/life balance equation and we have been finding that flexible spaces are increasingly important. We have been getting requests to assist with an increasing number of personalised garden rooms, which underlines the desire for versatility along with a determination to optimise indoor outdoor living all year around."

Daval Furniture is a British designer and manufacturer of luxury fitted furniture, delivered to UK homes via a premium network of 100 independent Design Partners nationwide. Daval Furniture's 100,000 sq. ft HQ is nestled in the heart of Yorkshire's Colne Valley in the village of Slaithwaite. The company employs 70 staff with an annual turnover of £6m. It makes bespoke fitted furniture including kitchens, bedrooms and offices. The family-run business was founded by cabinet maker David Bodsworth and his wife Alyson in 1978.

Simon Bodsworth, son of David and Alyson and Managing Director at Daval says "We are very proud of our Northern heritage and are thrilled to be shortlisted for such a prestigious business award - good luck everyone!"

From its beginnings in a small shop in Milnsbridge, Huddersfield, Daval has grown into premises in Slaithwaite, which comprise a factory where all the furniture is made on-site, offices and a

showroom with room sets which is open to the public. Daval is run by David and Alyson's three sons, Simon 37 (managing director) Paul, 35, (operations director) and James, 33, (design director).



For further information on Daval, its furniture and interiors storage solutions, please contact:
Daval Furniture | t 01484 848500
www.daval-furniture.co.uk
Daval House, Spa Fields Industrial Estate, New Street, Slaithwaite, Huddersfield, HD7 5BB

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NAMGRASS ANNOUNCES ITS 2022 GARDEN DESIGN PREDICTIONS

In true stiff upper lip tradition, the great British public who famously consider home to be their castle have striped garden centres and DIY stores to spruce up outside spaces whatever their shape or size. We are now moving into another new season and gardens and outside space look set to continue to play a vital role, many homes are continuing to look for low maintenance options but do not want to cut corners on kerb appeal, design and functionality.

Namgrass, a leading supplier of evolutionary artificial grass, are keen to continue to offer their customers cutting edge design, innovation, and originality in the garden for 2022 and here are a few of this year's anticipated trends they have unearthed:

Sustainability

Last year, Namgrass announced its latest product to hit the market, Pureti -Known for its air quality improvement and sustainable elements, pureti coated namgrass is now available across all grasses

within the company's product line. - One of just three licensed distributors in the uk, the product's arrival comes at a time when the uk's air pollution is being monitored daily during the covid-19 pandemic. A pureti treated metre squared of namgrass is comparable to the air purifying effects of one mature tree planted. Taking this into account plus the fact that the uk's average garden size is 50m2, pureti offers the same co2 equivalent that planting 50 trees in a family back garden would achieve.



Inside Outside

With space being high on everyone's agenda right now the inside outside garden trend is a huge hit in big cities across the UK. Creating a seamless connection straight from your main living area straight through to your outside area will give a feeling of additional space and offers bigger and more versatile

reception areas. Simply continue one statement colour or style of flooring throughout and use a mixture of indoor and outdoor plants giving a harmonious bright and spacious vibe.

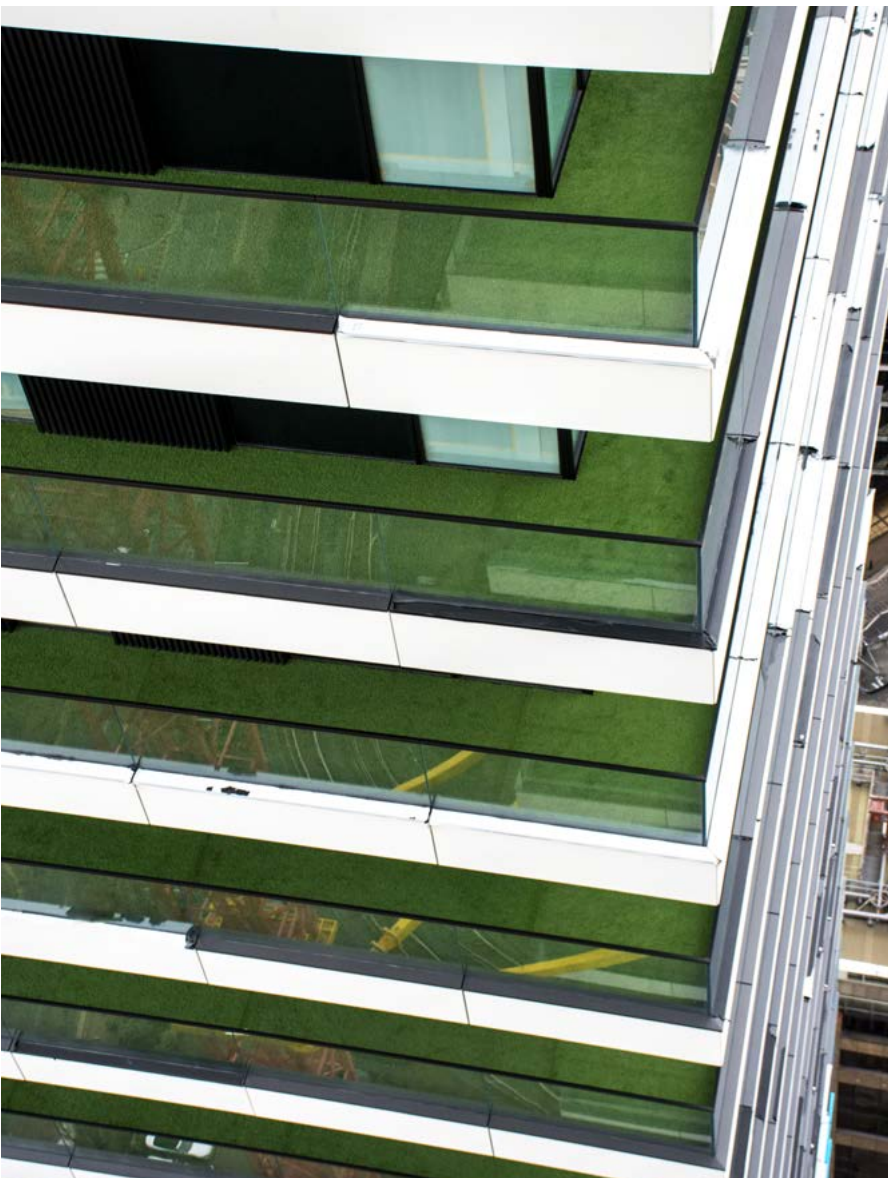
Balcony Living

More and more properties across the UK are being built with balconies or

roof top gardens and one very high rising trend is to turn these spaces into comfortable additions to your home. Balconies are often covered so you will benefit from a seating area whatever the weather. Choose to lay artificial lawn, as many residents are doing, and you will feel a real sense of outdoors underfoot. Add this to the current love amongst budding gardeners for vertical planting and fruit box stacking and you will enjoy a modern new garden experience for the fast-approaching spring evenings.

Raised Bed Gardening

Often now referred to as Vegepod Gardening or raised bed gardening to the rest of us this trend is simple and straightforward and appeals to anyone wanting to grow their own fruits and veggies with a more modern twist and visually impactful. Predicted as a real up and coming trend for 2021 and whilst more people may well be working from home nobody wants more pruning and mowing the use of unique wooden raised beds, boxes or pods provide fantastic features and when filled with good quality soil they make growing quality produce easy and on a more manageable scale. Raised beds work brilliantly with low maintenance artificial lawns as the more time you have on your hands people you can choose to grow varieties of unusual flowers as well.





One thing is for sure with an artificial lawn you can spend time in the garden doing what you enjoy most and say goodbye to daily weeding, watering, and mowing.

Namgrass lawns are designed and produced to make them hard-wearing, easy to clean and able to withstand heavy garden use from playful kid and pets plus an artificial lawn will look healthy and flawless whatever the weather.

Your garden can be in regular use all year round and you can experience the feeling of a truly unreal lawn beneath your feet. Namgrass offer exceptional lawns of the best quality and appearance.

The extensive range of grasses are available in an elegant range of styles and colours to create your perfect artificial lawn at a price you will love and come with a 10-year warranty.



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Product: Eclipse

WHY WINTER IS A GOOD TIME TO INSTALL ARTIFICIAL GRASS

It's not widely known that winter is the perfect time to install artificial grass - and many installers often find their trade dips in the colder months.

By educating your customers on the right time to 'go artificial', you can build up a steady trade in the winter months - and Harlestone Supplies are here to help with everything you need to lay the perfect artificial lawn.

Over the winter, the ground is generally softer and more pliable, which means installing the grass will be far easier than in the summer months. Plus, there are fewer plants and shrubs in the garden to work around, so your installation will be faster too.

It's not advisable to walk on newly installed artificial turf, and since people are less likely to spend time in their gardens in January, the grass will get plenty of time to settle before the garden comes to life in the spring.

Harlestone Group Managing Director, Silas Wilde, commented: "From landscaping large residential developments to fuss-free lawns for homeowners, our range of artificial grass is ideal for all projects. We supply landscape gardeners, the trade and the public with



high-quality artificial turf, and can also talk you through the process and advise on choosing the right blade length for your project."

Discover our full range of artificial grass - and all the tools and accessories you need for a professional installation - at <https://www.harlestonsupplies.co.uk/artificial-grass> or call our team on 01604 581444.



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The artificial grass experts

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WHAT WILL AWNING TRENDS BE LIKE IN 2022?



One of the main trends for 2022 will be all about the options

Consumers will continue to invest in lighting, heating, side screens etc - anything to enhance the comfort of being outdoors and to enable the space to be used all year round, even when it's chilly, dark or breezy.

It is, therefore, expected that consumers who already have awnings will look to upgrade or replace existing items for maximum effect.

Consumers want flexibility with their options e.g.

Lighting - They want their lighting to be dimmable to set the scene / mood i.e. dimmed lights for a romantic meal, or full lights for a family gathering. Colour is important, with 3,500k (warm white) being the most popular choice.

Heating - They want it to be zone

controlled so different areas can be heated based on the requirements of the people under the awning.

They also want these options to work in conjunction with other garden elements, such as perimeter lighting, so will purchase receivers that allow these items to work off the same handset as the awning, and they are likely to opt for app control to allow for convenient operation of all said items from their smartphone.

We also think a rise in popularity in Anthracite Grey hardware (metalwork) is expected to continue

This is due to:

- its contemporary and streamline look
- being lower maintenance
- forward planning on other home improvements
- looking more expensive than traditional white

Silver to slate grey tone fabrics will continue to be most popular

This is due to;

- it's timeless look
- complimenting the popular anthracite grey metalwork
- not showing the dirt

Awning design - in particular, shape and durability level will change

Consumers will opt more for:

- flush fitting awnings
- squared edge designs rather than the previously common rounded design
- higher wind speed rated awnings to withstand stronger winds
- water resistant and self-clean effect coatings on fabrics

For more information visit
www.cbsolarshading.co.uk



COOK ALFRESCO IN A GARDEN KITCHEN

One of the few upsides to the current pandemic is that people are valuing their outside space much more, which has led to a greater desire to cook at home more often, and whenever possible, in the garden. One of the more established trends was the inclusion of Outdoor Kitchens in design projects, and this has been further heightened by the unfortunate recent events.

There are few things that complement warmer weather than the fragrant smoky aroma of a barbeque. Do not, however, believe that alfresco cooking is limited to the summer months only; a delicious meal is just as welcome on a cold winter evening as a grilled burger on a sunny day in July. Having an outdoor kitchen gives your clients the opportunity to indulge in preparing and cooking delicious food in a fun and unique setting all year round.

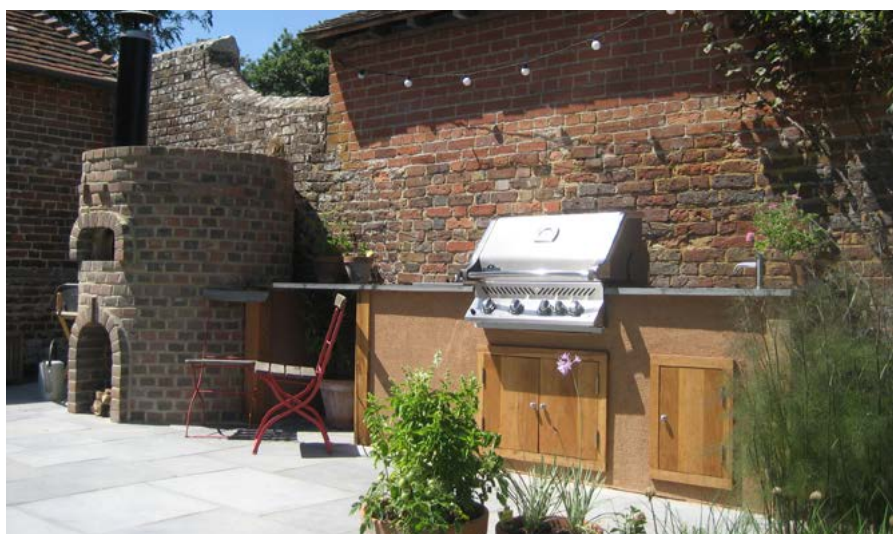
For the landscaper, this also offers an enhanced profit opportunity. With help from an organisation such as Kitchen in the Garden, clients can select the outdoor cooking equipment that meets their needs, and one that suits their budget. It is important to seek the advice from a specialist firm with a broad portfolio of brands, so that a client can match their cooking style and usual party size with suitable quality equipment.

Without previous experience, the challenge for the landscaper is in the construction of an outdoor kitchen project. Building an outdoor kitchen is not easy, but if you are a competent hard landscaper it is not difficult either. Start by identifying the location and establishing the approximate kitchen size. Find out what the client exactly wants; is it just the essentials or the all singing, all dancing version. Think in terms of zones, Cooking - choose from Grill, Side Burner, Pizza Oven, Kamado,

Water and Chilling- Sink, Fridge, Ice Bucket and Store - Cupboards, Drawers, Waste Bins and lastly Entertaining - is seating or a bar area wanted. If you do not feel confident in the design of the outdoor kitchen, or would like some expert advice, get a specialist to design it. This is usually free if you buy the equipment from that supplier.

Key in the construction process is laying the relevant utility services; electricity, gas, water and drainage.

This should of course always be done before you lay the patio. In terms of the actual build, the simplest method is a single skin blockwork frame, with a cut out for the components. The kitchen can be finished in a variety of ways to suit your client's taste, with the easiest being porcelain tile, but alternatives include a solid or sand & cement render, or wood cladding, topped with a granite, porcelain or Dekton worktop.



The construction of a kitchen in the garden will add another string to your bow and create a great cooking and entertaining area for your client, which not only adds value to the project but also increases your bottom line.

**If you like to learn more about
Outdoor Kitchens**

**Research at kitcheninthegarden.co.uk
Talk on 01932 556266
Or email
sales@kitcheninthegarden.co.uk**



BLANK SPACE TO SENSE OF PLACE

BY JACOB BETTS, GARDEN DESIGNER, URBAN EARTH

When I first saw the original garden, I was struck by the contrast, a new build house untouched by time and the elements sat within a featureless garden consisting simply of a mass of overturned soil and spotted grass, as if the old field the house had been built on was still there. However, this blank canvas space also presented a great opportunity for something new and rather special to be designed.

Our client wanted us to turn this area into a stylish and contemporary

space, something fitting for a new build property. The new garden was to include planted areas and one special herb planter with Basil, Thyme and Mint, to be used in the kitchen and for outdoor cooking within a new bespoke Larch timber covered structure. This wooden finish would also be mirrored in the slim larch baton screening to enclose two sides of the structure to create a feeling of enclosure, but also in screening that would soften the more unsightly but practical elements of the garden.

To accentuate the freshness of the property and to meet the low maintenance required in the brief I chose a clean white, if mildly textured, 'Ivory' porcelain (from the Marshalls Vitrified range). This was going to really complement the Quartz wall slips (also from Marshalls). The cream colour of the wall slips with natural variation next to the more uniform, but just as bright paving slabs all makes for a very clean and uplifting look. There are areas of matching colour gravel for some textural contrast to the paving slabs.



Before



After



The copings are in the same porcelain as the paving to reinforce the pearlescent feel intended for the scheme. An additional detail is the trim of paving that encompasses the lawn. Inspired by one of my favourite designers Luciano Giubbilei. It really ties the lawn into the rest of the space and creates a wonderful geometric harmony. I just don't think this design would have been complete without it.

The main focal area of the garden, the bespoke covered structure, is enclosed by planting, with a specimen olive tree planted nearby for a visual highlight. The timber posts stand on steel shoes meaning the structure is less impervious to the elements for a longer life. Reducing maintenance even in the long term is just as important as reducing it in the short term. This structure also included a full lighting installation so it can be enjoyed at any time.

With the formworks and shaping of the spaces complete, I got to focus on the planting plan, a field so vast you could spend the rest of your days dedicated to it and still be humbled by the multiplicity of species. One of the plant features specified by the client to be included was a Lavender row next to the seating area beneath the larch structure.

I used this as a basis for the planting scheme by including plants that would complement this purple and keeping the colour close to that. The idea being a simple one of more subtle contrast with a more limited range of colours, the whites and creams of the hardscapes and purples and reds of the planting. To accomplish this, I selected herbaceous perennials such as *Verbena bonariensis*, *Echinops bannaticus* and *Stachys byzantina*. To add contrast to the purples and tie with and compliment the pale whites and creams of the hard

elements I included *Astible chinensis* 'Visions in White'. Lastly for a more structural and evergreen backdrop to the plants, a *Griselinia littoralis*.

The most satisfying parts of any project are often found at the beginning, in the transformative nature of the work; and at the end, knowing that the client is overjoyed that they now have a tranquil and restorative modern garden space which is beyond what they initially imagined, transformed by the design and careful artisan construction, with a few other personal touches along the way. Combining to make something special, deeply personal, and on this occasion as on many with our landscaping journeys alongside our lovely customers, profound in its own way collectively and nourishing to both the designer and the client.

LAUNCH OF THE NEW TIMBER DECKING HANDBOOK

On the heels of the popular Timber Cladding Handbook, the Timber Decking & Cladding Association (TDCA) is set to launch another definitive guide in January - the Timber Decking Handbook, for specifiers, buyers and installers.



Timber decking provides a versatile way to create unique outdoor spaces: seating and entertaining areas or garden landscaping. The 52-page book provides clear, relevant and illustrated guidance covering decking design, installation, material choice and UK building and planning compliance. It features a timber 'Gallery' section - detailing key characteristics of softwoods, hardwoods and emerging modified wood brands. Full of inspirational projects and practical summarised installation and maintenance tips, the publication will be free to download or a beautiful A4 printed version can be purchased for £12 (inc p&p).

The handbook has been produced in partnership with Timber Development UK (TDUK) with support from a number of industry trade bodies and has been peer reviewed by a selection of their members - to ensure it's a valid and trustworthy reference.

The TDCA is an independent, not-for-profit organisation, set up to promote good practice and quality materials through their audited DeckMark and CladMark Quality Schemes.

THE TIMBER DECKING HANDBOOK
for specifiers, buyers and installers

COMING SOON



Head over to the website where this handbook and many other resources are available - including FAQs, technical advice and an approved supplier database.

www.tdca.org.uk
email: info@tdca.org.uk



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email: info@tdca.org.uk
visit: www.tdca.org.uk

The Timber Decking and Cladding Association is an independent, not-for-profit technical and advisory body. It was established to promote the materials, design and installation practices required to create good quality decks, associated landscape structures and cladding on buildings.



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HD CLAD PRO CASE STUDY

Inspired by the 'new normal' of remote-working, graphic designer Steven Haygarth has transformed the top of his south-facing garden into a home-working haven, using eco-friendly and low maintenance composite decking and cladding products.

Steven is not alone in creating his garden office space, according to research, 13% of home-working Britons are expected to invest in purpose-built outhouses in 2021¹; providing comfortable and functional work spaces, amid the calming influence of nature.

Constructed using Composite Prime's sustainable HD Clad® Pro cladding system, Steven's new office shed is made from FSC® 100% hardwood flour and recycled plastic, which combines to produce a durable, natural-looking cladding product that outperforms traditional treated timber.

Popular with landscapers due to its sustainable credentials, composite material maintains its colour, texture and appearance for significantly longer than hardwood. Ideal for garden buildings, composite cladding provides the benefits of natural timber, without the

environmental impact of hardwood production, and makes use of waste products to deliver durability and authentic aesthetic quality.

Commenting on the use of environmentally friendly materials to create his garden office, Steven said: "We try to recycle as much as we can and avoid using plastic in our household, so Composite Prime's products were the perfect solution to help us to create our stunning new space. HD Clad® Pro was also incredibly easy for us to install. The simple clip fixings and composite trims, allowed for an uncomplicated horizontal or vertical installation."



Each square metre of Composite Prime's composite cladding and decking contains the equivalent of more than 3,000 plastic bottle caps or 280 plastic bottles. In the six years of operation the brand has saved the equivalent of 151 million plastic milk bottles from landfill.

The beautiful 5m x 3m garden office, which can now be used year-round to provide extra space for Steven and his family, includes a corner sofa, shelving units and a small box room that's to be developed into a bathroom.

The low maintenance building sits aloft a luxury outdoor seating area which was also created using sustainable composite material, from Composite Prime. The HD Deck® Dual decking features LED lighting which illuminates the whole garden and creates a cosy and relaxing ambience.

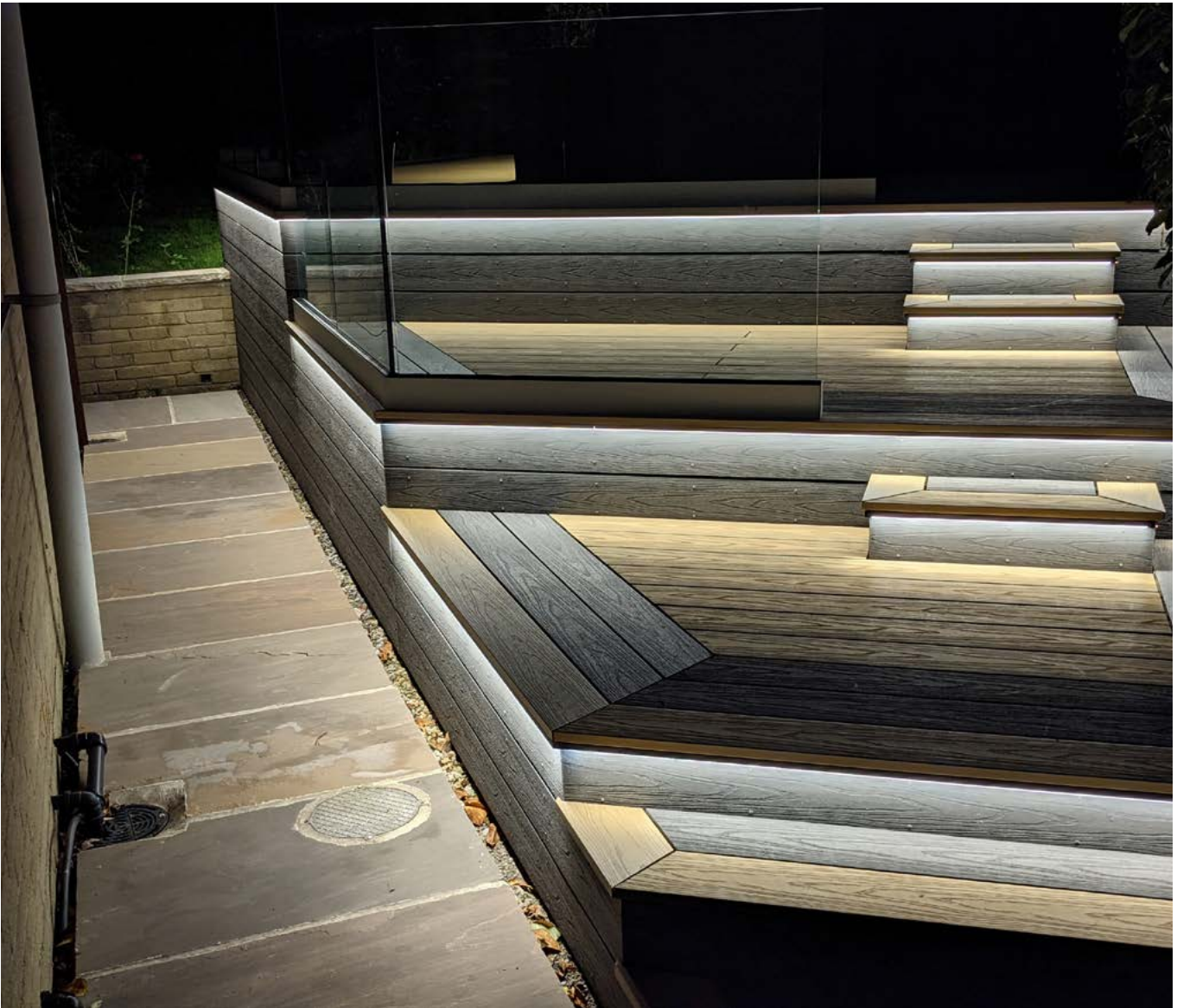
Shades of natural oak and slate were selected to seamlessly blend the steps leading up to the office and create a two tonal pattern, provided by HD Deck® Dual's reversible two-colour option, which allows homeowners to lay deck boards with contrasting colours and produce bespoke finishes and personalised designs.

The wide range of natural shades and textures found in the Composite Prime product range, allows the most suitable aesthetic to be chosen for an outdoor setting; ensuring the colour of a structure does not contrast to its surrounding.

A diverse range of styles allow Composite Prime cladding and decking to suit a variety of environments and design choices. Everything from the ultra modern and minimalist to the traditional, cultivated garden can take advantage of the durability benefits and diverse aesthetic fit.

Where timber will fade and rot over time, affecting its appearance and performance, the enhanced durability of composites allows its appearance to endure, providing not only a more consistent appearance, but also better performance than timber.





Steven continued: "The garden building is primarily used as an office space but it does have other uses for us as a family. We live in a three bedroom bungalow, which we'd like to develop at some stage, but the garden room seemed like a good starting point for some extra space; especially as everything remains on one level.

"We've become keen gardeners during the pandemic and have also started growing our own vegetables and herbs. We get daily visits from ducks in the garden, which our 3-year-old daughter adores, so the extra space allows her to spend more time outside, comfortably."

To find out more about how to create a garden office space with composite cladding, please visit: www.composite-prime.com

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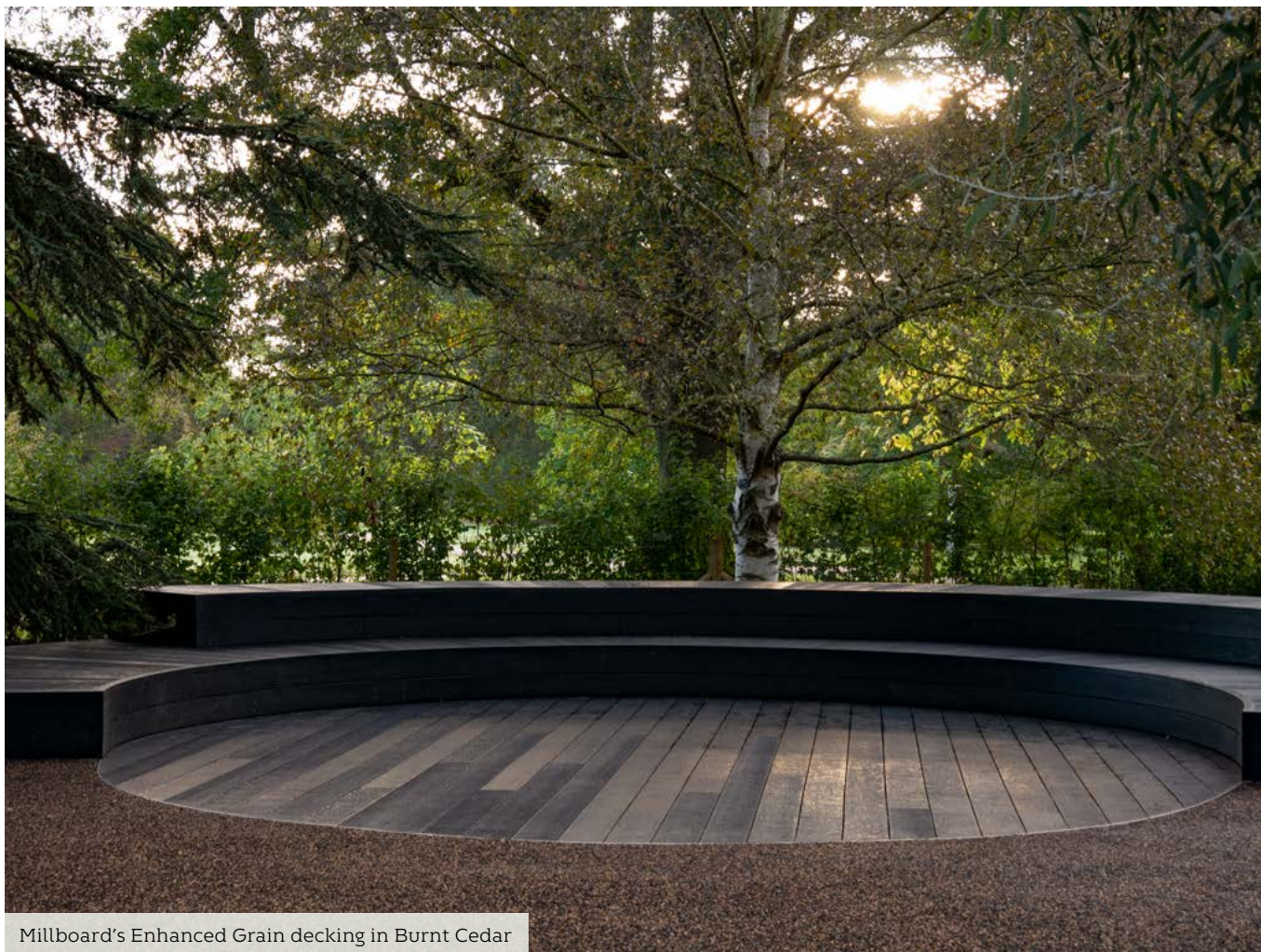
Much has been written about pandemic trends and there has undoubtedly been an explosion of interest in the sphere of home improvement during lockdown. Staying in is the new going out, and for many people that looks like a trend that is going to stick for the foreseeable future. Part of staying 'in' is actually about making more use of your available outdoor space, treating it as another room of the house and using it as such. Combined, what these trends mean is that homeowners are looking to transform their gardens into outdoor spaces with wow factor that can be used for dining, entertaining and relaxing with friends and family all year round.

Year-round performance

Decking has traditionally been used to demarc outdoor dining spaces but, increasingly, designers have been using far bolder swathes of decking in urban spaces for real impact, and many are choosing composite decking such as Millboard because it is more user-friendly than traditional timber. Its unique polymer resin construction does not rot, warp or split like natural wood, and it offers far superior slip resistance, even when wet, whatever the season. It is ideal decking material for homeowners who want to spend time relaxing and enjoying their garden, rather than maintaining it.

Let the material do the talking

A much used principle when designing kitchens is to invest a good part of your budget into good quality floors and worktops. The same is true for gardens: choose a beautiful structural material as the hard landscaping core of your design. Fortunately, opting for the superior performance of composites doesn't mean sacrificing aesthetics. Millboard's range is hand-moulded from carefully selected pieces of oak and each board is hand coloured in realistic tonal shades to give a natural timber appearance. The end result looks so authentic that clients often find it difficult to believe it isn't wood.



Millboard's Enhanced Grain decking in Burnt Cedar

Versatility

Millboard comes in a range of finishes enabling the designer to choose the desired finish straight off the shelf, with no requirement for further staining or treatment. For instance the charred tones of Enhanced Grain in Burnt Cedar are inspired by the Japanese Yakisugi technique of burning timber to preserve it - the warm brown/black tones can be used for a dramatic, show-stopping statement.



Millboard Enhanced Grain decking in Smoked Oak

In this project, Millboard Enhanced Grain decking in Smoked Oak enhances a stylish, contemporary look. Millboard's flexible Bullnose edging was also used to create a minimalist curved seating area which extracts the most value from the limited available space.



Millboard's Weathered Oak decking in Driftwood

Here Millboard's Weathered Oak in Driftwood shade is combined with a natural and easy maintenance planting design, using the same material throughout to maintain a consistent flow throughout the space.



Subframes

Let's not forget what has to go underneath the decking. A subframe made from wood will quickly deteriorate if not built and treated properly.

Millboard's DuoSpan alternative is a unique frame construction system that utilises a combination of aluminium joists and beams, aluminium brackets and support profiles made from (recycled) plastic. This combination enables distinctive design opportunities for decking and outdoor structures

that would be impossible with timber subframes, due to the superior strength of aluminium and flexibility of plastic. The other, crucial advantage is that neither aluminium nor plastic is susceptible to water damage or decay, so a DuoSpan subframe requires little maintenance.

Conclusion

The interest in decking is most definitely here to stay and, one might argue, getting ever greater as homeowners choose to expand the footprint of their reception

space into their gardens. Composite decking is durable, light and strong without the ongoing maintenance requirements of timber. And it can deliver these advantages without losing any visual appeal. Millboard's authentic wood look and extensive range of tones and textures means homeowners and designers have a range of options from which to choose the exact match for their vision.

millboard.co.uk



The next step in design flexibility

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Ideal for seating, planters or as a finishing touch for decks and steps; its wider profile providing the perfect space for lighting. Resistant to moisture, stains and algae, it won't rot, warp or splinter. And, like our decking, it's easy to fit, saving on installation time and cost.

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ARE YOU FAILING AT RAILING?

5 TIPS FOR SIMPLIFYING THE DECK RAILING SELECTION PROCESS

By Karl Harrison, TrexPro and professional landscape engineer

When people look at a deck, what is the first thing they see? It's not the footings or joists - or even the deck boards for that matter. Chances are, it's the railing that catches the eye before anything else. So, why is it that railings are so often an afterthought?

Railing is experiencing an uptick in the UK as Brits are discovering the many benefits of this simple, yet transformative, decking addition. In addition to enhancing safety

and structural integrity, the right railing can create a decorative frame around a deck.

Given its visual appeal, railing is a style-driven choice where clients are more likely to splurge - but only if selections are made before they've allocated their project budgets elsewhere. For the best results, decking and railing decisions should be made simultaneously - as a purposeful pairing.

As a TrexPro, my clients have access to more than 1,200 different decking and railing pairings. While

it's great to be able to offer choices, that's simply too many for most homeowners to consider, or even to comprehend. To help streamline the process, following are five conversation touchpoints I use to help guide my clients to the right railing choices for their home and lifestyle.

1. Consider views and privacy

If a client has a garden setting that they want to accentuate, suggest railings that are designed to optimise views. Thin balusters finished in black are a good choice as they tend to blend into



the environment putting more visual emphasis on the natural surroundings. Conversely, to create a sense of privacy, recommend railings with thicker posts or more tightly spaced balusters.

2. Research materials

There are many materials available for railings these days, including wood, aluminum, composite, PVC, iron and glass. Although a classic, wood requires frequent staining and sealing and is prone to rot and decay. Glass also requires a lot of

upkeep, and iron is heavy and can be difficult to install. Aluminum, composite and PVC all offer durable, attractive and versatile options that are easy to work with and maintain.

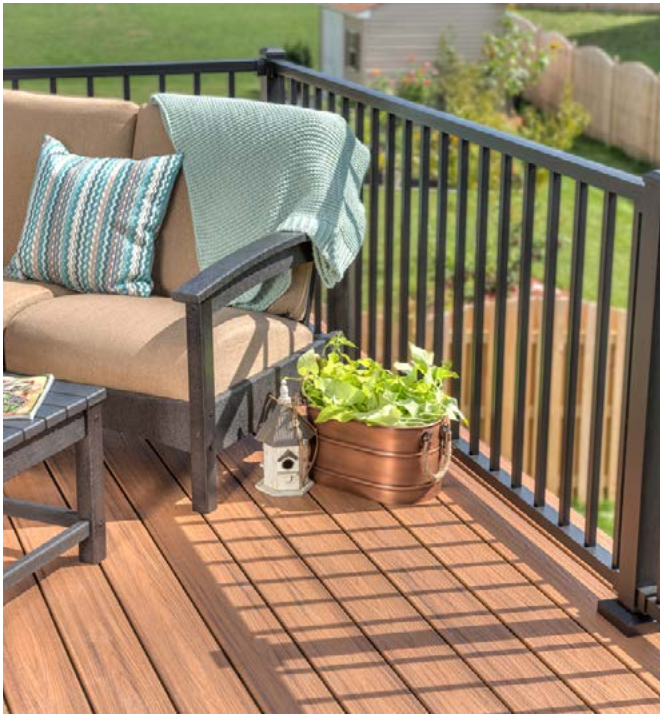
3. Decide on colour and style

This is the fun part, but it also can be overwhelming considering the myriad of railing options available today. The design team at Trex has a helpful formula for simplifying the railing selection process based on three strategic approaches. Coined the “three Cs,” these pairing techniques

focus on Coordinating, Contrasting or Customizing railing selections according to a client’s preferences, level of design confidence and the setting of their outdoor space.

- **Coordinate** - You can never go wrong by selecting railing in the same shade as the decking. This creates a cozy, well-coordinated look and is a great approach for risk-averse homeowners.
- **Contrast** - If you aren’t able to find a perfect match for the decking, propose a contrasting railing colour. For instance, white railing looks crisp against deep brown deck boards and is ideal for highlighting a deck’s design and features.
- **Customise** - For design-savvy homeowners looking for something distinctive, let the creative juices flow. Don’t be afraid to mix colours and materials. For example, combining dark aluminum railing with white composite posts can create a dramatic look that delivers a sophisticated combination of texture and colour.





4. Factor in Function

One of the most popular trends right now - especially among homeowners who like to entertain outdoors - is "cocktail railing." This design approach uses a deck board as a top rail to create a flat surface ledge at just the right height for holding drinks and plates.

5. Light it Up

Another trend gaining traction in the UK is the addition of railing with integrated lighting. In addition to adding safety and ambiance, deck lighting can significantly extend the amount of time you're able to spend enjoying your outdoor living space.

As landscape professionals, it's impossible to educate our clients about every single railing option available to them - but we can make the selection process easier by giving our clients some direction and parameters within which to work. A little guidance can go a long way and pay off not only in client satisfaction but in higher-margin projects and referrals.



For more information about Trex decking and railing, visit uk.trex.com.



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Engineering What's Next
in Outdoor Living®



REGENERATION WITH PERMEABLE PAVING AND TREES IN HARMONY

Before development



2016 - regeneration complete



2021 - green infrastructure well-established

Concrete block permeable paving in conjunction with green infrastructure transforms Bridget Joyce Square, London.

A new case study highlights the impact of concrete block permeable paving as an irrigation source, sustaining and working in conjunction with street trees and green infrastructure to provide numerous benefits.

The award-winning Bridget Joyce Square in Australia Road, White City, London, is a sustainable drainage (SuDS) park with community at its heart and an exemplar for future urban landscapes. Designed by Robert Bray Associates (RBA) in conjunction with McCloy Consulting for the London Borough of Hammersmith and Fulham, the scheme won 'Winner of Winners' (the President's Award) as well as Winner of the 'Adding Value through Landscape' category at the 2017 Landscape Institute Awards, and also an ICE London Civil Engineering Award 2016.

Re-using and Enhancing Paving

Its low-intervention, thin overlay technology enables sustainable reuse of existing conventional road bases and their embodied carbon, creating attractive, safe, shared-surfaces. Capturing rainwater runoff straight from the surface without gulleys, the permeable paving overlays provide a gradual flow of clean water laterally into raingardens or basins, for storage and irrigation of trees and other green infrastructure.

Interpave revisited the project in August 2021, around 5 years after completion, and noted that the permeable paving was performing well and the trees and other green infrastructure were healthy, substantial and particularly well-established. RBA founder, SuDS expert and landscape architect Bob Bray commented: 'All the plants have grown really well. Birches are particularly sensitive to drought and urban heat island effect but they

have thrived here and the vegetation has remained green all summer. The critical thing seems to be that even small rainfall events are captured by the permeable paving in summer to benefit trees in the basins'.

New and Regeneration Schemes

Concrete block permeable paving for new schemes generally comprises an upper layer of concrete blocks with permeable jointing and laying course, over a sub-base and other structural layers of permeable material for water storage during rainfall to avoid flooding. But permeable paving also has important implications for the delivery of measures to address climate change, notably by encouraging tree growth.

For example, the 2021 'National Planning Policy Framework' (NPPF) states: 'Planning policies and decisions should ensure that new streets are tree-lined and that opportunities are taken to incorporate trees elsewhere in developments'. However, measures are needed to nurture and allow trees to mature and deliver their real potential - including net carbon storage, urban cooling through shading and evapotranspiration, biodiversity and public wellbeing.

Long-term Maintenance Requirement

So, the NPPF also requires that: 'appropriate measures are in place to secure the long-term maintenance of newly-planted trees...'. Local planning authorities now need to incorporate long-term tree maintenance measures in their planning consents and, as a straightforward spatial measure, concrete block permeable paving offers a sustainable multifunctional solution, both for regeneration and new-build schemes.



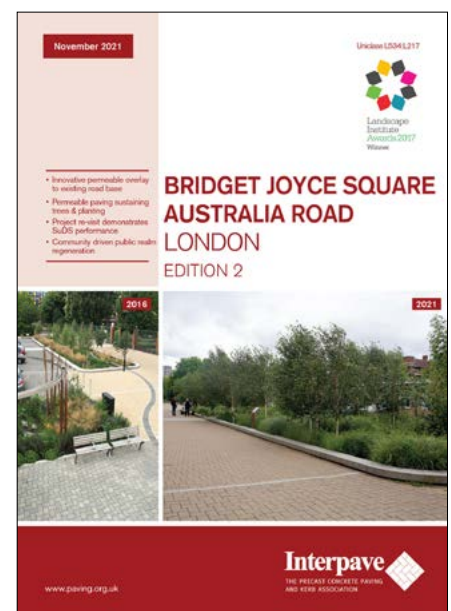
The benefits of permeable paving for trees while retaining accessibility for all are recognised by the current Code of Practice for accessibility in the external environment, BS 8300-1:2018, which states that: 'Tree grilles should be avoided. Smooth or paved permeable surfaces should be used wherever practicable'. Permeable paving can be laid level and still avoids puddles without the need for drainage gulleys. It provides a safe, firm, pot-hole free surface for everyone - including wheelchair users and people pushing prams. Two decades of experience in the UK demonstrate the long-term performance of CBPP with minimal, if any, maintenance.

No Conflict with Trees

Urban trees and paving have traditionally been seen as in conflict but this is not the case with concrete block permeable paving. Unlike conventional impermeable hard landscape materials, permeable paving allows the same pattern of

run-off transfer to the ground as natural vegetation, allowing water - and also, importantly, air - to reach tree and shrub roots, while still providing an attractive hard surface above. Also, research has shown that permeable paving does not suffer from the root damage commonly experienced with impermeable surfaces near trees.

Interpave is currently exploring new ways of applying this technology to optimise gradual supplies of water for tree irrigation at where needed, as well as effective interaction with tree pits and proprietary tree planter systems. Paving layouts are also being considered to maximise the permeable paving catchment area for summer irrigation, particularly outside the protective tree-canopy zone. Interpave would be pleased to hear from anyone considering integrating permeable paving and trees on projects (email: chris.hodson@paving.org.uk).



To download Bridget Joyce Square and other project case studies, and guidance on all aspects of permeable paving and SuDS visit: www.paving.org.uk



FOREST PAVILION

SYMBIOSIS WITH NATURE

The Forestias is one of the largest property development projects in Thailand. The highlight of the project is a 48,000 square meter of urban forest at the center of The Forestias, connecting all developments within the site to create a healthier and happier living for all residents. The Forest Pavilion is located in The Forestias, which currently functions as the sales gallery, and will be converted into The Forestias Ecosystem Learning Center for sharing knowledge of

forest ecosystem, and be a hub of residence society for joyful moments. It is also an entrance gateway to the broad forest zone of The Forestias, providing a prototype of living with nature.

Our commitment is to support happiness and wellness of the users and create an immersive experience of living with nature, which is achieved by utilizing the research as design strategies. From those findings, we decided to dedicate

majority of area as green space that can be seen from every angle of the Forest Pavilion, and demonstrates potential benefits of nature that integrates and encourages users to access to nature to support human interaction with nature.

The landscape concept is "Symbiosis with Nature" which embraces three objectives: planting the future of symbiosis with nature, immersing the wilderness, and balancing human activities and the growth of



urban forest - by transforming rigid form of pavilion into the natural freeform of central forest, maximize privacy for all users and residents, provide the authentic experience of living in the forest, and provide happiness of living with nature.

The Forest Pavilion is intended to be a testing lab for symbiosis with nature, so the essences of nature have been integrated with landscape design at the Forest Pavilion, where

users can have a unique experience of nature in an urbanized form. Plus, delightful walkway and skywalk are designed to attract people go outdoor and to enjoy the quality of natural environment with tranquil picturesque landscape.

At Forest Pavilion, the scale of natural environment here has been extended further beyond any typical urban environment. By creating Miyawaki Eco Forest, this

dynamic forest-like landscape is a living paradise creating biodiversity that will grow and evolve along with the current and future generations.

International standards of SITES, WELL, and LEED were implemented. Residents will enjoy a refreshing living experience with nature among the urban fabric, which integrated sustainable design with high-quality modern lifestyle.





Happiness—a simple yet powerful manifesto advocated in The Forestias. It is the ideal living sanctuary that demonstrates happiness of dwelling within the urban forest. A good quality of environment will lead to good health and longevity of residents, and it also create a kind and warm society for generations of families.

Residents will share mutual benefits with nature harmoniously, learning to be part of nature and raising awareness to create a better and more sustainable world. Hopefully, this can be a turning point of housing developments in the country and lead to a series of high-quality housing projects.

Technical sheet

Project name: Forest Pavilion

Design year: 2018-2019

Year Built: 2019-2020

Lead Landscape Designer:

Tawatchai Kobkaikit: Lead Landscape Designer / Managing Director

Landscape Design Team:

- Nantawan Sirisup
- Punyada Klinpaka
- Passaporn Shompoopun
- Nottaporn Gatewattanatorn
- Patcharanat Phokhinthanasiri
- Nikom Mangiew
- Sirikun Thirawatthanaset
- Tummanoon Jaitheing
- Wasin Somsak

Additional Project Credits:

Architect: FOSTER + PARTNERS

Local Architect: DT DESIGN

Interior Designer: BUG & DT DESIGN

Structural and Civil Engineer: EEC LINCOLNE SCOTT

MEP Engineer: EEC ENGINEERING NETWORK

Lighting Specialist: APLD

Hardscape Contractor: CHRISTIANI & NIELSEN (THAI)

Softscape Contractor: CPS

Quantity Surveyor: AECOM (THAILAND)

Sustainability consultant: ATELIER TEN LTD.

Project location (Street, City, Country): THE FORESTIAS, Samut Prakan, Thailand

Photographers:

- Rungkit Charoenwat
- Weerapol Singnoi
- Anong Chanamool
- Research and Innovation for Sustainability Center (RISC)

GEOGREEN SOLUTIONS WINS COMMERCIAL GREEN ROOF OF THE YEAR AWARD

Green roof and blue roof contractor Geogreen Solutions has been announced as the overall category winner of the Commercial Green Roof of the Year award at the recent BALI awards ceremony, held at the Grosvenor House Hotel, Park Lane on Dec 3rd.

The principal award is presented to one of the four shortlisted winning projects in each category and Geogreen Solutions General Manager Mark Shaw was on hand to collect the award, along with colleagues Ben Arundel (Sites Manager) and Claire Fletcher (Contract Coordinator). The award is voted for by an expert panel of BALI judges, who visited the Leeds Skelton Lake MSA Extra Group Services site to assess the Geogreen green roof project in July.

The Geogreen team receiving the award (Mark Shaw holding the plaque alongside Claire Fletcher and Ben Arundel)



The green roof was designed and project managed by ABG Geosynthetics and features a build-up of Roofdrain geocomposite including integral protection and filtration geotextiles, a growing media mix and over 5,000 sq m of extensive wildflower turf and sedum planting layers (supplied by Wildflower Turf Ltd). The roof is installed in 11 separate undulating 'ribbons' and the sloping sections include a Trigrid geogrid and Erosaweb geocellular containment system to hold the soils and green roof layers in place.

The BALI award follows on closely from the project winning Green Roof of the Year at the recent NFRC Roofing awards (sponsored by GRO and won alongside waterproofing partners Cawston Specialist Roofing).



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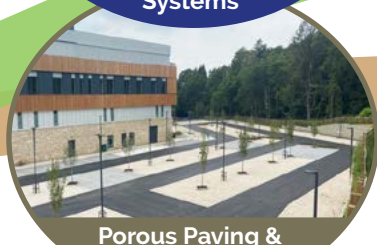
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HEDERA SCREENS IN PARTNERSHIP WITH BARRATT HOMES Z HOUSE PROJECT - BRITAIN'S MOST ECO-FRIENDLY HOUSE

As a leading, accredited UK supplier and installer of Green Infrastructure, Soft Landscaping, and Irrigation, for over 14 years - Hedera Screens were delighted to be chosen as a contributory partner by Barratt Homes to support their trailblazing new concept - The Z House Project.

The designated eco-friendly, sustainable products selected for the installation were:

PlantBox Wall mounted living wall

Benefits:

- Manufactured in England from 100% recycled materials
- £1 from each trough sold is donated to the PlantBox Trust
- Clever water indicator, tells you when to fill up
- Simple to put together
- Stimulates biodiversity
- Promotes health and wellbeing
- Low maintenance

Mobilane Hedera Helix

'Woerner' Ivy green screens

Planted in responsibly sourced handmade timber planter boxes and posts

Benefits:

- Can also be ground planted, sleeper beds and using our cabling method
- Provides instant privacy, as the screens are grown to height
- Various heights and species



The team are using experts from RSPB and Barratt to help promote wildlife and nature at the house, with the garden achieving a gold rating from RSPB.

Set on the main campus at the University of Salford, the new Z House is based on the popular Barratt 'Alderney' house type. To ensure the house operates in the 'real-world' it will be occupied by an academic from the University of Salford, meaning its energy consumption can be measured and displayed in the Knowledge Hub for all to see.

- Scientifically proven to filter harmful PM10 toxins from road pollution
- Stimulates biodiversity
- Promotes health and wellbeing
- Easy and quick to install
- Low maintenance

Both products made a significant contribution towards creating Barratt Homes vision of a beautiful 'Biodiversity Garden'.

Introducing more horticulture and plants are at the heart of most initiatives for clean air, biodiversity, and privacy, but thankfully now becoming widely recognised in the main for their contribution, the possibilities of which are endless.

Barratt Developments, the UK's largest housebuilder, recently launched its unique flagship zero carbon home concept called the Z House, that will be occupied and monitored to assess its performance. It will be the first new home in the country built by a major housebuilder to go beyond the new Future Homes Standard by delivering a carbon reduction of

125%. Last year Barratt announced that all its new homes will be zero carbon by 2030 and this flagship concept house is the first step in achieving that.

It is being developed as an industry showcase home to demonstrate what is achievable, particularly from a mainstream, volume housebuilder. The new home is being built with over 40 leading industry partners from across the housebuilding, sustainability, and technology sectors, all helping to broaden knowledge in zero carbon living with the lessons learnt from the construction being shared across the industry.

Barratt challenged its supply chain partners to bring-in the most cutting-edge products into the house to reduce its embodied carbon.

In the garden of the Z House there will be a biodiversity garden featuring nests for bats and swifts, a wildlife pond, hedgehog highways, a wall mounted living green wall and ivy green screens, planted in timber planter boxes.

David Thomas, Chief Executive of Barratt Developments, said: "We want to showcase what can be done to deliver zero carbon living using the latest technologies and working with the best industry partners. Ultimately, the aim is to find solutions to enable the industry to build high quality, zero carbon homes that customers love, at scale. We can then share this knowledge to help the industry deliver the future of sustainable housing."

As featured on This morning program: <https://www.itv.com/thismorning/articles/alice-beer-visits-britains-most-eco-friendly-house>

We also supply and install:

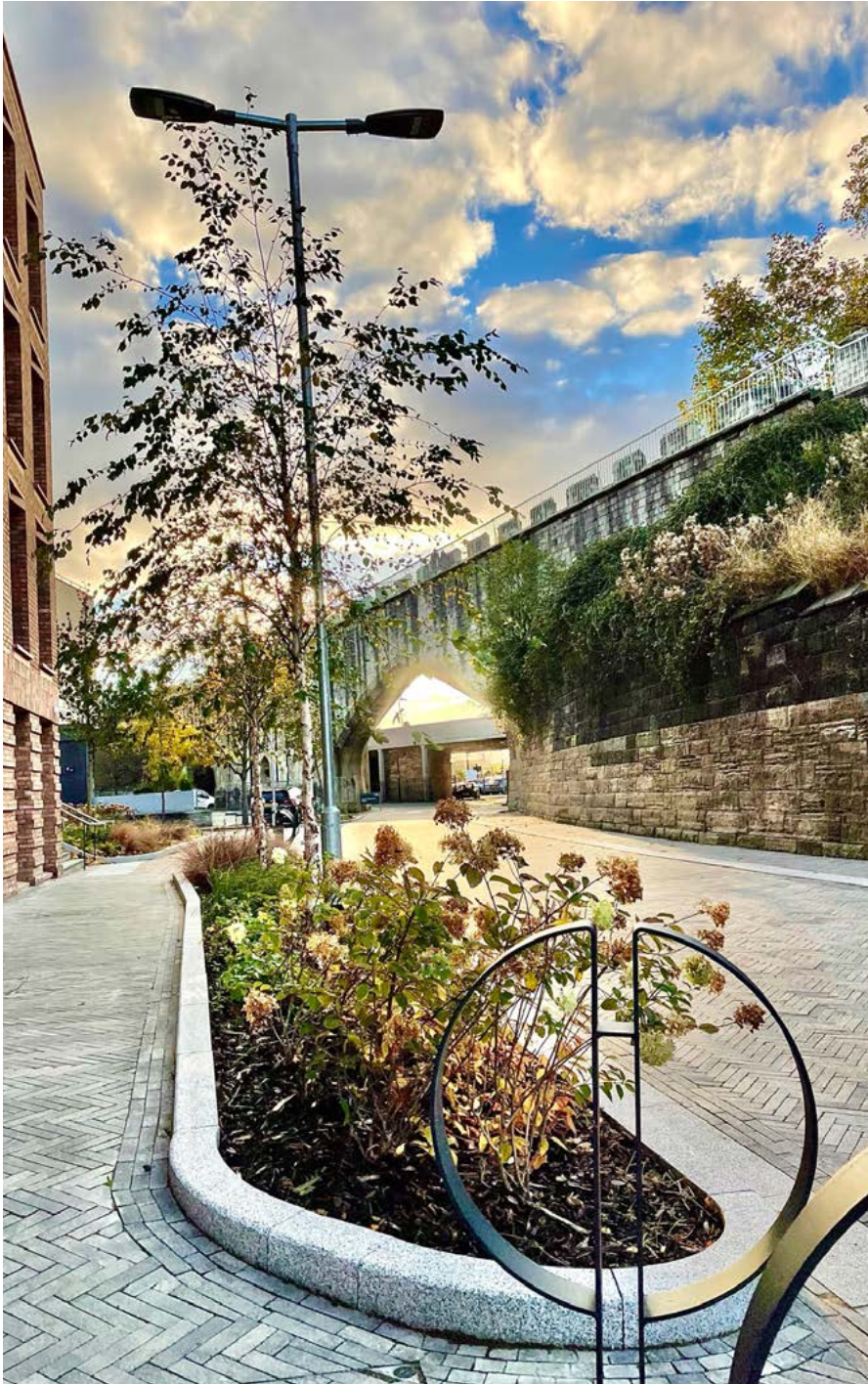
- Living Ivy Green Screens - ground planted, sleeper bed or timber planter boxes
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- Live Picture
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A GREEN OASIS IN THE HEART OF HISTORIC YORK



Green-tech is delighted to be part of this prestigious £33.5 million mixed use project on the site of York's first railway station, which was originally built in 1841 by 'Railway King'

George Hudson. The previous 1960's concrete and glass building, Hudson House, was the headquarters of British Rail Eastern Region.

Main contractor, Caddick Construction built the three impressive residential blocks, each named after a famous British Station (Kings, Waverley and Victoria), in a nod towards York's railway heritage. In addition to the 127 luxury apartments, a fourth building, aptly named HQ, houses 34,500 square feet of Grade A office space.

Leeds based Re-form Landscape Architecture was tasked with ensuring that the green areas of this iconic site were as impressive as the buildings themselves. This was achieved with a central courtyard garden offering tranquil respite from the hustle and bustle of the city, as well as areas of public realm, with the boundaries between public and private carefully considered. The garden is interspersed with seating areas and even an outdoor 'office' with power points to make the most of the trend for flexible working.

Atlas Green was awarded the landscaping contract, which included lawned areas, tree planting, and shrub beds planted with species chosen to offer an ever-changing variety of shape and colour throughout the seasons.

The perimeter of the building features 100 car parking spaces with low tree planting areas, and there was consideration given to storm water attenuation using rain gardens and bio-retention planters.

To further bolster the development's green credentials, the HQ office building has been awarded a BREEAM 'Excellent' rating, with a final certified score of 73.5%.



million for an apartment, so it had to be right. We have worked with Green-tech for many years and can always rely on them to supply what we need, when we need it.”

Arron Grange, a Key Account Manager from Green-tech adds, “It is great to be involved with the development of such a historic site, in such a historic city. With so much hard landscaping these days, it is wonderful to be able to put a bit of green back for the benefit of the residents and the area as a whole. It is always a pleasure to work with Re-form and Atlas Green and to see our Green-tree British Standard topsoil being chosen as the first-choice.

Green-tech involvement:

Green-tech has worked with both Re-form and Atlas Green for many years. To ensure that the trees and shrubs thrive, it is crucial to give them good quality soil to grow in. Atlas Green chose Green-tech’s British Standard Green-tree topsoil, and around 900 tonnes was supplied to site in staged deliveries, along with top quality bark mulch to finish the planting beds.

Irrigation was supplied in the form of Green-tech’s Mona tanks, an underground reservoir system that

requires filling on average every 5-6 weeks depending on conditions. More than 60 anchor systems were supplied to ensure the ongoing stability of the trees until they become fully established.

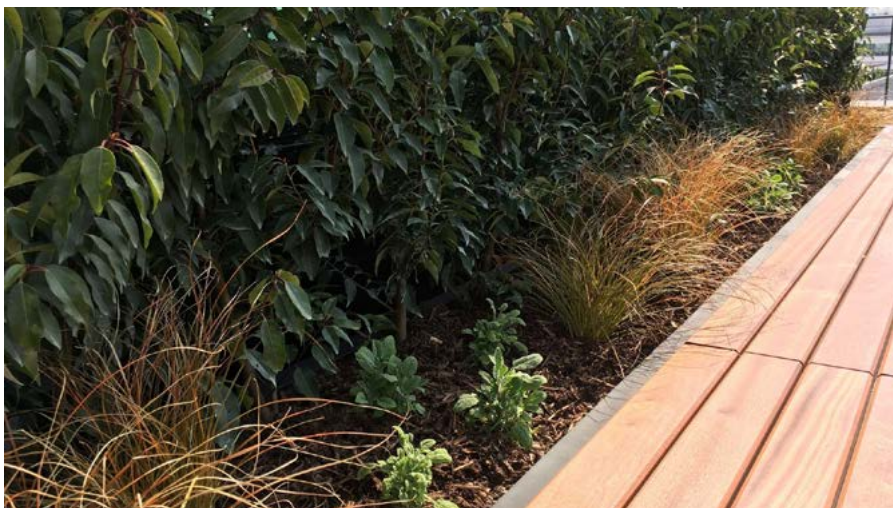
Finally, 380 square meters of GT RootBarrier and geo-textiles were used with ArborTex used to line the base of the rain garden beds.

Andrew Ryder, Managing Director of Atlas green comments, “This was an extremely high-profile project with some people paying up to £1.7



Images c/o: **Hufton + Crow**
Hudsonquarteryork.com

GREEN-TECH PROVIDES IRRIGATION SOLUTION FOR ROOFTOP PLANTING SCHEME



80 Charlotte Street, in the exclusive Fitzrovia district of London is a mixed-use development featuring an impressive line-up of greening measures, all helping to achieve Carbon Net Zero status.

Having the kudos of being London's first all-electric building, 80 Charlotte Street is rated BREEAM 2014 Excellent and is on track to achieve LEED 2009 Gold, meaning that this cutting-edge building is expected to consume 25% less energy and generate 34% lower greenhouse gas emissions than the average commercial building. This impressive green performance is achieved whilst retaining much of the existing structure and facades and combining it with new.

One of the main goals for the building's designers, MAKE Architects, was to engender a strong sense of wellbeing for the office workers, residents and public that use it. As part of this commitment, the design allowed the inclusion of numerous roof terraces, both private and shared for the offices and residents, offering dramatic views over Fitzrovia including the BT Tower.



Green-tech were contacted by Barton Willmore landscape architects, with whom they have a long working relationship going back nearly ten years, to quote for irrigation for the many planters that were required on two of the external terraces; part of a design developed by Piercy & Company Architects for a specific high-end tenant fit-out.

The most effective solution was to use Green-tech's Mona tank system. This subterranean reservoir system irrigates the soil through capillary action, reducing watering frequency whilst at the same time, aerating the soil.

With sizes from 3 to 24 litres, the Mona tanks can either be used individually or linked together in line, for beds and longer runs. Each tank has two capillary legs that are back-filled with soil and reach down into the water inside the reservoir. Once filled via the filler pipe the tanks act as a reservoir, supplying water to the rooting soil via capillary action. As the water is taken up, the empty space is replaced by air through the filler pipe, acting as both irrigation and aeration. If the surrounding soil is damp, the tanks do nothing and the water is stored - once the soil dries out, the water is taken up by capillary action into the soil, keeping it moist.

Over 200 tanks were supplied to the Landscape Contractors, Oasis Plants for the terrace planters, ensuring that the plants are kept well irrigated all year round.

Commenting on landscape supplier Green-tech a spokesperson from Barton Willmore Landscape Architects says, "We have worked with Green-tech for many years now, and they can always be relied on not only to help out at the front end with specification and cost proposals, but also provide a reliable service when it comes to supply."

Green-tech's Specification Advisor Alasdair Innes adds, "We have a great relationship with Barton Willmore, and it is particularly exciting to be involved on a project with such impressive green credentials. The Mona tanks do their job so well, I have no doubt that they will keep the terraces green and healthy for many years to come."

www.green-tech.co.uk
Photos: Courtesy of Barton Willmore



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HANGING GARDENS AT THE JAKOB FACTORY IN SAIGON

Alongside the growth in sustainable building design, green walls are increasingly being seen in many of the world's towns and cities, with the facades absorbing carbon dioxide, binding dust and air pollutants, dampening noise and reducing energy consumption thanks to a combination of shading and water evaporation.

In the north of Saigon, Vietnam's financial center and largest city, Jakob's new production facility is one such building. The architects (rollimarchini AG in Switzerland and G8A in Vietnam) developed a concept that would meet both climatic and sustainability challenges, using a combination of modern materials and local traditional building techniques.

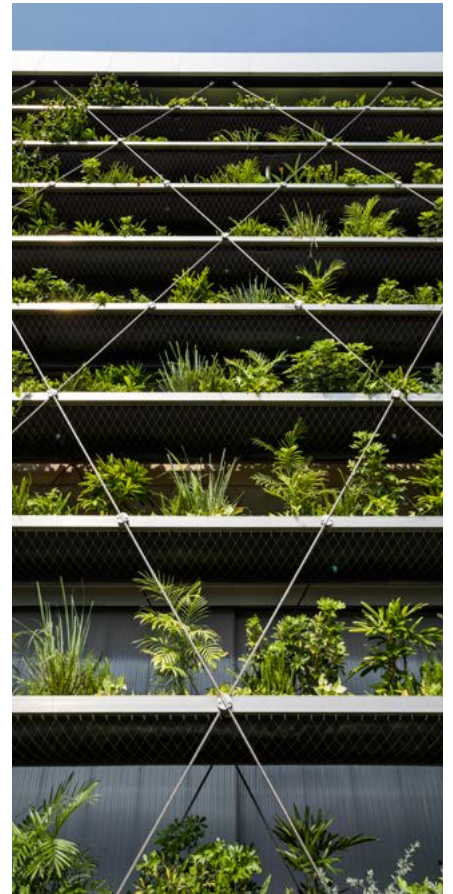


Incorporating naturally ventilated and shaded areas as well as simple fans, the design also incorporated green walls, with planters suspended from stainless steel wire ropes

and nets. The green walls not only shade the interior spaces and filter pollutants from the air, but they also lower the building temperature through evaporation.

The vegetation of the green walls grows in planters that extend along the entire length of the buildings' facades, with over six kilometers of diagonally running stainless steel wire ropes supporting up to nine levels of planters. All the structural components are made of type 316

stainless steel, which offers great durability against corrosion. In addition to the structural elements, the green facade contains a fully automatic irrigation and fertilization system. Buildings that are greened and ventilated in this way reduce energy costs and emissions.



The green wall not only fulfils its functional purpose for the Jakob Rope Systems manufacturing site, but it is also a great example of how sustainable design can improve working conditions and lessen ecological impact.

Picture Credit:
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UltraScape has been manufacturing and providing the industry with high quality, specialist paving installation materials for over 25 years. Their expert materials are proven to work alongside all stone manufacturers with guaranteed, excellent results every time.

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What's more, UltraScape's Mortar Paving System is proven to work perfectly with all stone

manufacturers, allowing you to use their premium installation materials with the paving stone of your choice. By choosing UltraScape, you are not restricted to a sole supplier of both stone and installation materials, but are given the freedom to use your first choice of paving with full confidence that UltraScape will perform no matter which stone manufacturer use you - choose UltraScape for complete comfort in compatibility.

Building the right foundation for your paving is critical to success. UltraScape's bedding mortars will provide the ultimate laying course for all types of paving. UltraScape perma-bed is a permeable bedding mortar specially designed with permeability in mind. Formulated to drain away any water migrating into the pavement via cracks or damaged areas, perma-bed reduces water related pavement failures as rainwater will drain away rather than sit on top of the stone.

What's more, the free passage of water through the cured product ensures that correctly laid paving will not suffer from reflective staining emanating from the underside of the paving elements.

If you are looking to achieve an 'Excellent' CEEQUAL award, or are due to have a BREEAM assessment, then UltraScape eco-bed is the bedding mortar for you. UltraScape eco-bed is proven to provide the performance you would expect from a BS 7533 bedding mortar but also contains 20% recycled material, significantly reducing the consumption of virgin aggregates.

Priming is an important part of any paving installation but is something that is often overlooked. Neglecting to include a primer such as UltraScape pro-prime slurry primer, can have disastrous consequences for your project and as a result, the reputation of your business.

As well as offering on-site assistance, UltraScape regularly welcomes visitors to their custom built training facilities where guests can attend a Material Awareness Day or complete a RIBA Approved CPD.

As well as in-person training, UltraScape also have an online training academy where visitors can register for webinars covering topics such as cold weather working and product help and advice, access a huge library of educational resources, watch how-to videos, and complete their virtual RIBA CPD.

For more information on UltraScape's range of paving installation materials, support package or upcoming training events, please email ultrascape@instarmac.co.uk, visit ultrascape.co.uk or call their team of experts by ringing +44 (0) 1827 254402.

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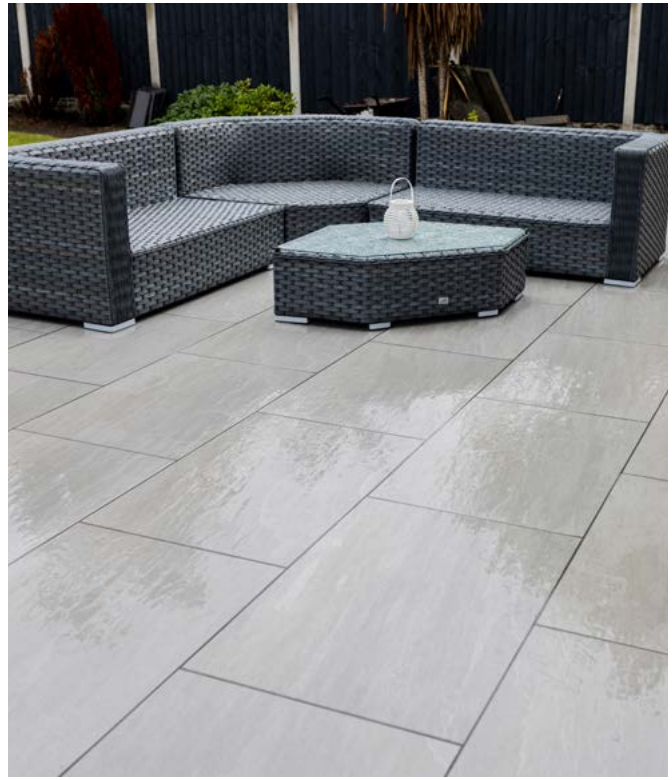
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THE PERKS OF PORCELAIN

Porcelain tile surfaces will not stain or need cleaning:

As with most external paving in the UK, this is a matter of degree and the relative ease of staining and/or cleaning in different situations and exposures. Porcelain tile surfaces are going to resist staining and be easier to clean than porous natural stone, though after some time, this may only be comparable with properly sealed or impermeable stone paving. All and any externally exposed paved surfaces in the UK will require regular if not frequent cleaning, and all may require some additional protection, including porcelain, depending on the exposure.

Porcelain is anti-slip / slip resistant...

Well yes it can be, especially when tested to the widely referred to and little understood, European DRY INTERNAL FLOOR Test procedures that are used for all floor coverings, including tiles indoors! Slip resistance results from R-11 to R-14 are claimed to infer excellent slip resistance / anti-slip properties. BUT the Test Standard very clearly states that these Slip Resistance Tests and their results, DO NOT apply Externally and DO NOT APPLY to wet surfaces,

or surfaces with any oils and grease spillages, or any other contaminants under foot!!!

Please take care - All smooth paving surfaces can be slippery when wet!

Porcelain does not need jet washing / water jet cleaning...

Well maybe, BUT ONLY if you keep it clean and treat the surfaces like you do your indoor floors, where you clear-up any spillages immediately, ensure that the surfaces are swept and mopped clean at least once a week or so, according to use, and that this continues EVERY WEEK of the year and NOT JUST IN SUMMER! - Otherwise we can honestly confirm that you will find it necessary to clean and generally jet wash your new porcelain tile paved surfaces regularly, and at least several times every year to keep it clean and looking good! This will certainly be the case for the start & end of the season, as well as after any days of heavy use!

Important Note: As you most definitely will need to jet wash your porcelain surfaces, be sure to insist on your porcelain paving contractor using suitable pointing / grout / jointing mortar that can adequately

resist this treatment - As covered in more detail on our website, NONE OF THE vacuum packed, 1-part, bag in a tub, so-called brush-in compounds are suitable as they do not resist frequent jet-washing. They may go in easily, but they will also come out easily within a short time with regular cleaning and they will stain and discolour themselves, they will last just a few years, even if left alone! - Why on earth would you put a cheap jointing compound in between expensive, professionally installed porcelain paving....Madness to us! They may be cheap and very easy to apply, BUT they will cause you 'the owner' problems sooner or later!

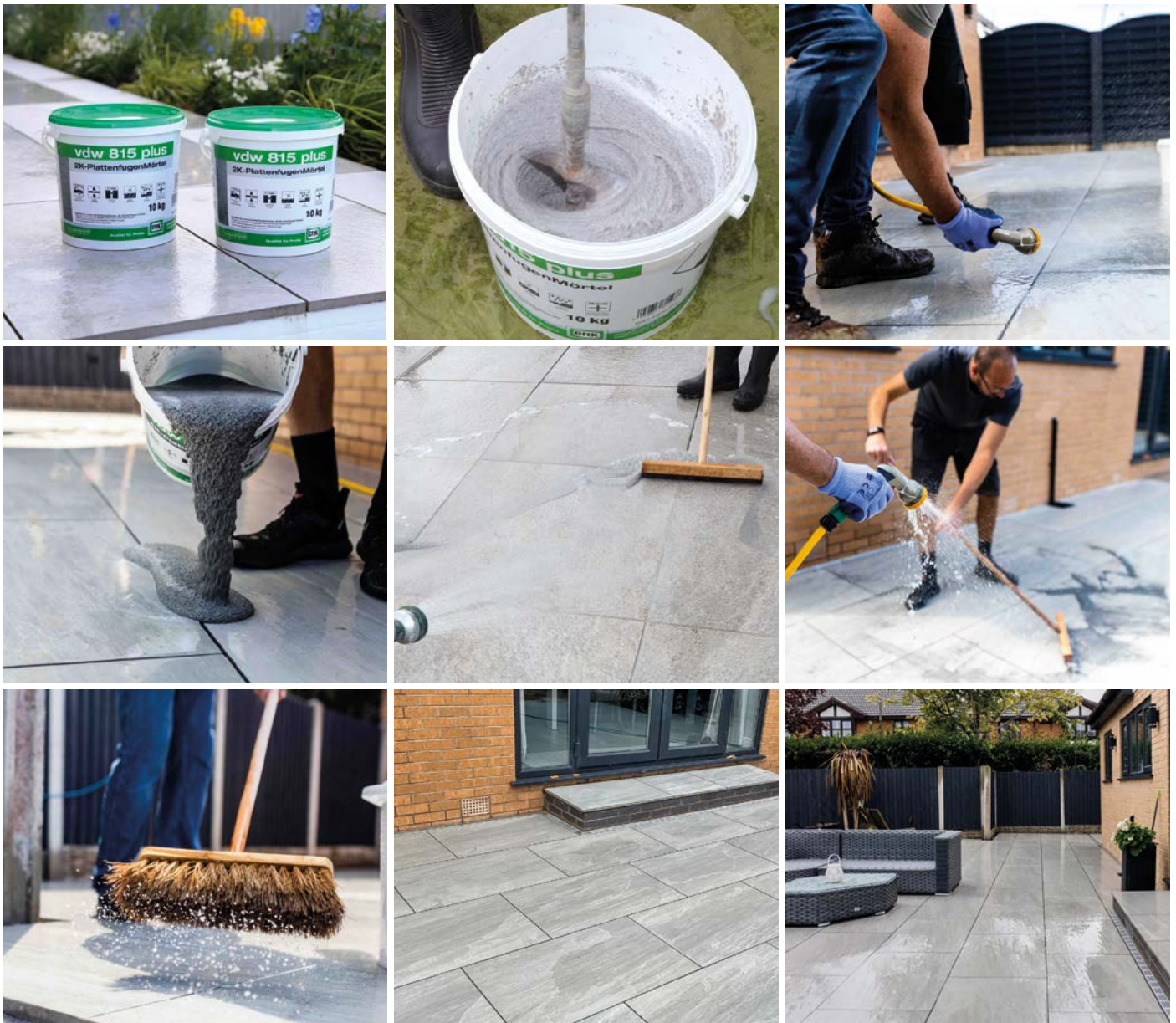
For more advice or assistance with your specific porcelain tile paving project including selecting the right jointing product, the estimated consumption and the installation,

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www.nccstreetscape.co.uk/index.html and the specific page regarding porcelain paving here:

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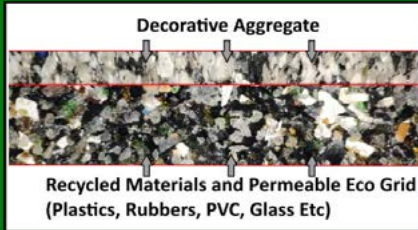
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NET ZERO PIONEER FUTUREBUILD RETURNS FOR 2022

Futurebuild, the event that's championed a sustainable built environment for the past 16 years will take place from March 1 to 3, 2022, at the ExCeL London. This event will connect specifiers, decision makers and disruptors with major brands and start-ups from across the built environment.

Following the announcement of the UK Government 'Net Zero Strategy; Build Back Greener', and COP26 conference in 2021, Futurebuild, previously Ecobuild, will be perfectly timed to focus on these key issues and the actions needed. The focus is no longer about ambition – it is about delivery. As the only event to attract 20,000+ senior professionals from right

across the built environment, Futurebuild is the perfect opportunity for the industry to meet and collaborate together, to achieve the transformational change needed if the built environment is going to reach net zero.

As the home of innovation, Futurebuild 2022 will be organised into six sections – Buildings, Offsite, Interiors, Resourceful Materials, Energy and Critical Infrastructure. The curated event will showcase over 250 leading brands, the companies who are developing the most innovative technologies, products and solutions. Visitors can participate in the innovation trail, which highlights the event's innovation partners. The winners



of the Big Innovation Pitch, a competition that celebrates new approaches to the biggest challenges facing the industry, will also be announced during the event.

"Now it is more important than ever to meet in person and do business face to face because our exhibitors and attendees are all working towards a common goal – achieving



Visitors can also attend Futurebuild’s renowned knowledge programme, which includes a conference programme sponsored by Construction Innovation Hub that will explore ambition towards net zero on a macro-level, as well as two keynote stages. Each keynote stage session will be delivered by industry-leading partners and associations such as the RIBA, Passivhaus Trust, MCS, BEIS, MPBA, ASBP, Good Homes Alliance, The Concrete Centre and many more.

The first conference day will focus on the built environment’s actions beyond COP26. The current physical impacts of climate change highlight the need for developing long-term resilience at the same time as reducing emissions, restoring natural resources and biodiversity, ensuring a sustainable food supply and recognising the impacts of climate change on human health and wellbeing. The session will focus on the actions that the UK construction industry should take – starting now.

net zero” explains Martin Hurn, event director at Futurebuild. “To ensure we can deliver a sustainable future we’ve curated an event that cultivates cross-sector collaboration, addresses key industry issues and inspires transformational change.”

The event will also feature six spotlights, Digital Impact in partnership with Glider, Whole House Retrofit in partnership with the Retrofit Academy, Circular Materials in partnership with 540 World, District Energy in partnership with UKDEA, Future Installer in partnership with MCS and Intelligent Buildings in partnership with KNX. These spotlights will include a mixture of presentations, discussions and practical demonstrations that will cover the fundamental issues facing the built environment.

The Whole House Retrofit spotlight, for example, will showcase products and services that can underpin whole house retrofit at scale. The providers will offer suggestions about best practice during retrofitting, including alternative heat solutions, sustainable timber suggestions and rainwater harvesting. The Intelligent Building spotlight will inform the industry on the smart products and technologies that will make buildings more intelligent, help minimise environmental impact and reduce costs for the end user. Attendees will be able to learn about new smart products, such as innovative heat pump technology, lightweight windowsills and ventilation solutions.



If you’re interested in visiting Futurebuild 2022 and exploring the most innovative products and solutions in the built environment, register for your place [here](#).

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Feature Lake, Wilderness Reserve, Suffolk



Restoration of Formal Fountain -
Holkham Hall, Norfolk



Feature Lake and Beach - Royal
Papworth Hospital, Cambridgeshire

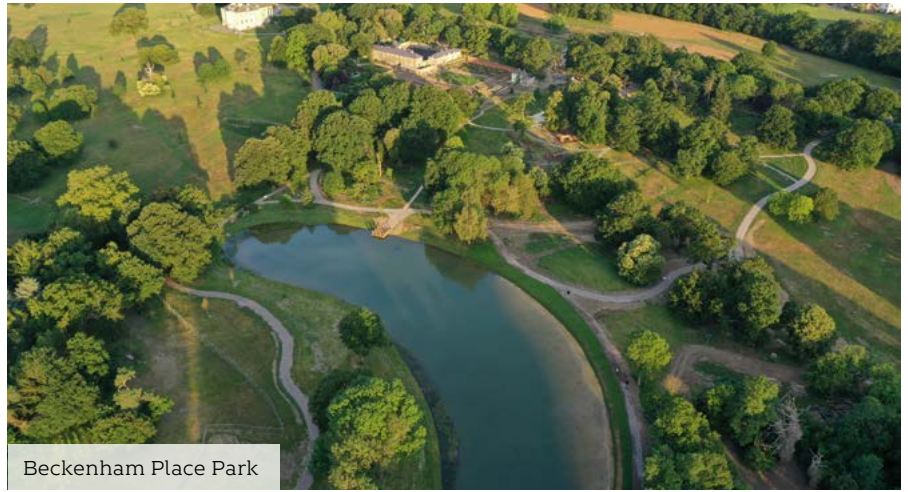
WORKING WITH WATER

Miles Water Engineering are a specialist water engineering company, providing high quality design, construction, renovation and consultancy services for a wide range of waterscape projects in commercial and domestic settings for decades.

Client: Kew Gardens
Location: Temperate House, London

Miles Water were commissioned by Kew Gardens to construct the main rock water feature and stream as part of the refurbishment of the Temperate Glasshouse and its

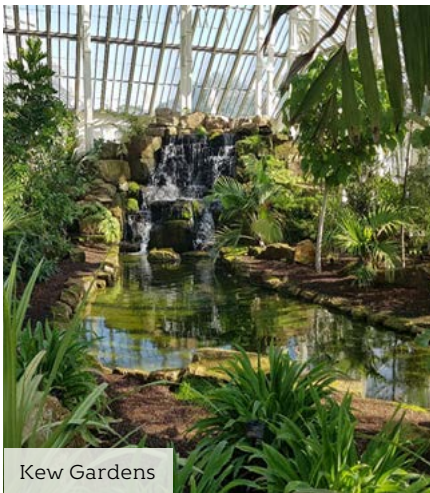
gardens. The contract also included the installation of a rock cascade and reflection pool. As part of the scheme Miles Water transported a variety of ancient trees into the glass house, some of these trees are the last remaining example in existence! The refurbished glass house was opened by Sir David Attenborough.



Beckenham Place Park



Boughton House / Orpheus



Kew Gardens

Client: Beckenham Place Park
Location: London

Miles Water were heavily involved in the design and then commissioned to construct London's first purpose-built swimming lake for the public to enjoy wild swimming and other water sports. The 283-metre-long, 45-metre-wide lake, is a recreation of an original Georgian water feature. The lake was opened by Sadiq Khan, Mayor of London, as part of the initiative to make the capital a greener and healthier National Park City.

Client: Royal Horticultural Society
Location: Bridgewater near Manchester

Miles Water designed and built the new feature lake adjoining the RHS Welcome Building. This new lined lake was built in a challenging peat environment and in an active water table.

The contract also included the renovation of the original historic Ellesmere lake and the construction of a lined rock stream running through a Chinese Garden.



RHS Bridgewater

The stream, a fusion of British & Chinese horticulture, included stepping stones, bridges, pools and rock cascades.

Client: Boughton House / Orpheus
Location: Weekly, Northamptonshire

Using GPS guided plant, Miles Water built the new sculpted landscape feature 'Orpheus' in the 18th century gardens at Boughton House. Designed by Kim Wilki the inverted geometric grass pyramid mirrors the existing mount and descends 7 metres below the level of the restored terraces. At the base a pool of spring water reflects the sky above.



miles-water.com

SHOUTING FROM THE TREE TOPS: THE BENEFITS OF TREE PITS



The specification of trees within an urban area can provide many benefits, including improving inhabitants' mental and physical wellbeing, to filtering urban pollutants and aiding the offset of carbon emissions.

However, the planting of trees within landscaped or paved exterior public spaces can also present a range of potential complications that must be considered at the initial design stages. Here Chris George, Business Development Manager at Howe Green, explores the wide ranging benefits tree pits and tree grilles offer and the key elements specifiers should consider.

Whilst the planting of trees in urban location can contribute to the reduction of the city or town's carbon footprint, it is essential any trees or saplings are planted within the provision of a healthy and secure environment.

External tree pits and tree grilles present a popular choice as they can successfully alleviate the potentially negative effects an urban

environment can have on a living organism, whilst simultaneously providing inconspicuous access to electrics, valves, pumps and water features.

Tree pits and tree grilles also prevent any potential damage to the urban environment as the tree roots are securely managed within the tree root ball. This eliminates the opportunity for the roots to spread up and across the landscape, where they could cause damage to the flooring and present a dangerous trip hazard.

When specifying tree pit covers for upcoming landscaping projects, professionals should consider solutions manufactured of stainless steel as they provide long term resistance to rust and corrosion. The addition of a top edge seal also prevents dirt, grout or grinding waste ingress for increased longevity and resilience. This style of tree pit also aims to eliminate the requirement for slither cuts of stone, which often leads to recurrent and often costly breakages.



The structural integrity and design shouldn't hinder safe access to the tree root ball. Here, specifiers should consider solutions that utilise lifting keys, facilitating easy ongoing maintenance of the tree root ball without any additional budget, time or resources.

For further information on Howe Green's complete range of tree pit covers and tree grilles, visit www.howegreen.com or call 01920 463230



Innovative tree pit covers. When access, safety and design matter

Our tree pit covers are designed to your exact size and configuration, accurately and cost-effectively providing easy tree root ball access for on-going maintenance.

Manufactured in rust and corrosion resistant stainless steel or aluminium, tree pit covers eliminate tripping hazards, allow the integration of your choice of stone paving for a high quality finish and provide landscapers with hidden access for uplighters and water features to enhance the aesthetics of any urban area.

Given the choice, why would you specify anything less?



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SELECTION OF BOOSTER PUMPS FOR IRRIGATION

Sizing of Pumping Systems for irrigation is not for guess work and to select well, needs many considerations to achieve optimum performance and efficiency.

Head and flow are the main requirement for any system, however there is a lot of information required to get the best efficiency and reliability.

Head is seen as the highest point of discharge from the pumps, but we need to understand the total amount of static head and other head losses in the system to define the Total Head. Pipework costs may push installers towards using less costly small-bore mains to the discharge points, only to undermine the long-term energy cost and system performance. Unfortunately, the friction loss within a small-bore irrigation system will demand more energy, escalating the running costs for energy, therefore the more flow the larger bore pipework is required, especially for the main distribution pipework.

Other losses are found in any pipework system and should be accounted for when calculating the total head, sprinklers, irrigators, fittings, valves will have an identified head loss valve and by careful selection and design some of these losses can be reduced.

Once the total head and flow has been determined the process of selecting the pumping system can begin, most facilities such as golf clubs, sports grounds, parks, large gardens will require a system using 2 or more pumps with a 'jockey' pump to cope with small fluctuations in pressure demands.

The control of these pumps is via an electrical control system which will monitor the pressure with the discharge water main and will start

the pumps as demand increases, so one pump may be required initially, but as demand increases an additional will be deployed to maintain pressure.

The control systems, maybe as simple as using mechanical pressure switches, to activate the motors via crude 'direct online' starting methods, however more commonly, variable speed drives are being used to match performance with demand giving better overall performance and economy.

A reliable and efficient control system will have a myriad of additional built in protection features supplementary to the expected motor overload protection; dry running protection is essential to avoid damaging the pumps due lack of incoming water, equally under pressure protection may be provided which shuts the system down if there is a delivery main burst or unplanned discharge beyond normal planned flows occurs.

Power supply is a very important consideration, ensuring that there is sufficient supply to meet the demand of a new system, while location of system is important trying balance the best location of the pump set to optimise the irrigation obligations but not too far from a main power supply to avoid escalating costs of larger power cabling to avoid voltage drop which will undermine the system.

Recent examples of diverse booster pumps installations for irrigation show how different applications can be applied successfully.

Golf Course

As part of a wider water management scheme on a

Hertfordshire golf course, this required a booster set meeting very high industry standards, to improve the distribution of water around the expansive course where the water was extracted from lake.

A Dual Booster Set was sized and selected, complete with 2 x 5.5kW vertical multistage pumps, motor mounted variable speed drives and bespoke control panel to Irritech specification, including back up fail-safe system via Digital Pressure Controllers. The pump set in a duty / assist configuration, will achieve a performance of 20m³/hr at 8.8 bar pressure.



The booster set is used daily to water the main pitch at the bet365 stadium.

Football Stadium

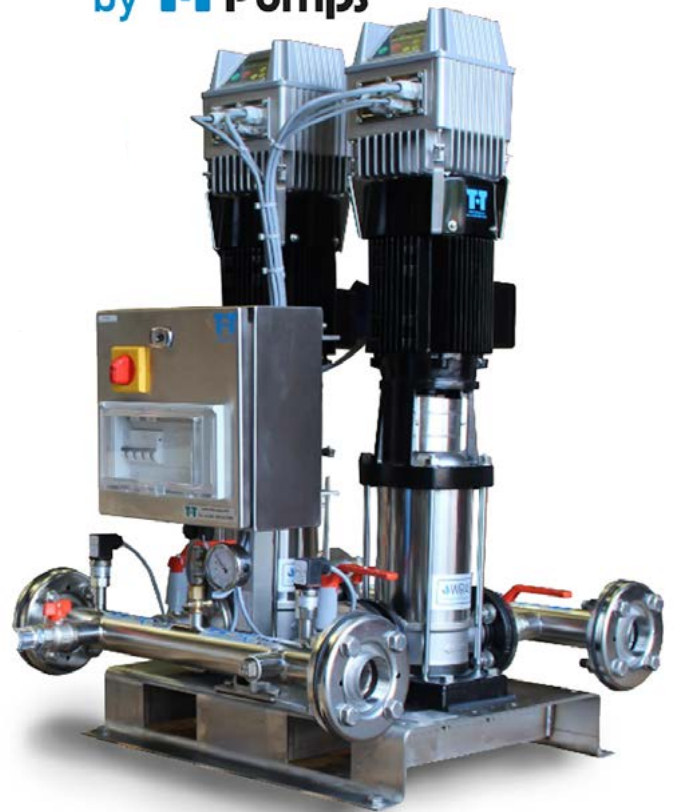
The home of Stoke City FC, the bet365 stadium, as with all major sporting grounds, requires watering daily to keep their pitch in a premium condition. Searching for an efficient and economic product that could provide reliable irrigation with automatic control. The system, comprised of fixed and variable speed clean water multistage pumps, was designed and manufactured to provide both the flow and water pressure required for the football ground.

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RHS ANNOUNCES WINNING PARTNER GARDEN OF THE YEAR 2021

Larch Cottage Nurseries voted winner in 'Feel Good Gardens' competition

The Royal Horticultural Society (RHS) is delighted to announce that Larch Cottage Nurseries in Cumbria's Eden Valley has been named the RHS Partner Garden of the Year for 2021. The win marks the first time the charity has held a competition for its network of Partner Gardens, with thousands of votes cast by RHS members and garden visitors for more than 200 gardens in the UK and overseas.

Peter and Jo Stott of Larch Cottage Nurseries received a commemorative plaque from RHS Head of Horticultural Relations Chris Moncrieff. The winning garden will also be captured in a specially-commissioned photoshoot. Reflecting on winning the inaugural competition, Peter Stott said: "To have a dream and follow it has resulted in what Larch Cottage has become.

"I am very grateful to all those around us who have helped to realise the garden and its setting. In the winning of this award we owe so much to those who have taken the trouble to vote for us. To be an RHS Partner Garden amongst many other prestigious gardens always felt an achievement and to win this accolade is more than we could ever have dreamt of."

Admired for its romantic Italianate aesthetic, the garden near Penrith is described as a plantsperson's paradise, with an extensive selection of rare and specialist

plants on display in the gardens and for sale from the nursery. Landscape designer Peter, who began creating his masterpiece in 1984, adds: "The chapel we built for our wedding is one of the main highlights of the garden. The gardens have been built around my eclectic sense of art, architecture and plants."

Voters highlighted the owners' 'real love of horticulture' and described Larch Cottage Nurseries as a 'completely impressive and surprising garden' in testimonials. One visitor summed up the winner as: "A beautiful garden made from scratch and looks more like 'Umbria than Cumbria'."

Larch Cottage Nurseries was selected from six regional finalists after visitors chose their favourite gardens in each of six regions. The regional winners were:

- Midlands and East Anglia: *Fullers Mill, West Stow, Suffolk*
- North and Northern Ireland: *Larch Cottage Nurseries, Melkinthorpe, Cumbria*
- Overseas: *Arborerum Kalmthout, Kalmthout, Belgium*
- Scotland: *Attadale Gardens, Wester Ross, Scotland*
- South-East and Channel Islands: *Denmans, Fontwell, West Sussex*
- South West and Wales: *Hidden Valley Gardens, Treemill, Cornwall*



In recognition of the huge part gardens have played throughout the pandemic in supporting people's mental and physical health, the theme for the first competition was 'Feel Good Gardens'. RHS Partner Garden Manager Helen Feary said: "It means a great deal to all of our RHS Partner Gardens to know that they have offered a source of happiness and a place of sanctuary for so many people over this last, difficult year. We're delighted to be able to celebrate that through this first RHS Partner Garden of the Year competition."

Details of the 2022 RHS Partner Garden of the Year competition and how to vote will be revealed next spring. There are currently 206 gardens in the RHS Partner Gardens scheme, which allows RHS Members to visit non-RHS gardens for free at selected times of the year. They comprise some of the most famous gardens in the world as well as privately-owned hidden gems, and beyond the UK can be found in 8 countries across the globe, including Barbados, Japan and South Africa.

www.rhs.org.uk

SOCIAL PRESCRIBING GARDEN AT THE WILSON HOSPITAL

Groundwork London Landscape Architects are an award-winning practice that delivers full landscape design services for both private- and public-sector partners.



Photography: Simon Callaghan Photography.

NHS Property Services recently commissioned us to design and implement a sensory garden in the grounds of The Wilson Hospital. The Social Prescribing team will use the space to support the health and wellbeing of the local community; staff, volunteers, and patients who have been prescribed outdoor exercise and gardening will use and maintain the space. The accessible garden design creates a welcoming space with plenty of seating, wide paths, and deep planting beds, whilst the plant species, bird boxes, and insect hotels were chosen to increase local biodiversity, as well as for sensory enhancement. Many of the plants were donated by the Wimbledon Foundation, giving a new home to the plants from the tennis tournament this summer.

The garden was funded by NHS Property Services, The Span Trust, and The Worshipful Company of Gardeners. Design by Groundwork London Landscape Architects; construction by Ginkgo Gardens.



groundworklandscapearchitects.org.uk



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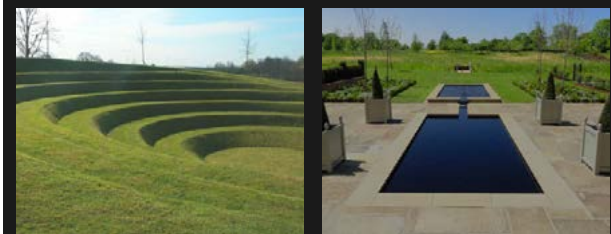
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SELUX AND LIGHTING FOR THE ENVIRONMENT

Light as an environmental factor has an impact on all living creatures. That much we know.

Light influences both human and animal emotions and behaviour - including those of insects and generally nocturnal creatures such as bats, owls and migratory birds. As well as the shift from daylight to darkness, moonlight and starlight also play an important part.

Bats, for example, hunt only at night using echolocation. Migratory birds navigate their passage using the stars in the sky. On the water, insects hatch their larvae at night. They are all dependent on darkness. Darkness protects them from heat and hunters, allows them to search for food in safety, provides orientation,

and controls biological cycles - including re-productive cycles as we see with the firefly. Female fireflies emit their gentle light signal to the males. If the surroundings are too bright, the males miss the signal and mating fails. Lighting along waterways attracts insects in their droves but this is out of balance with nature, and so they are not available as food for fish, birds and bats.

Artificial lighting affects the behaviour of our animal kingdom. We are learning more every day about the true impacts of exterior lighting, and adapting our behaviour accordingly. Bats, for example, are protected by a raft of binding international and European agreements (e.g. the Fauna Flora

Habitat Directive) which also identifies light as a relevant factor. Against this background, sustainable exterior lighting in urban or rural areas - and in particular in places designated as being of special ecological interest or a habitat to endangered species - must take into account the needs of insects and other animals.

Light that looks out for insects

A main focus of Selux is the development of Night Sky technologies. LED technology plus new materials and production processes today give us considerably greater opportunity to control the direction, light distribution, duration, intensity and spectrum of luminaires.

Targeted light with a clear cut-off. Specially developed optics with a precise downward beam enable an even more targeted focus. This means that no direct light components are radiated above the horizontal plane of a luminaire. And the star-studded inky black night sky so crucial to people, animals and plants is maintained.

Warm colour temperatures

The composition of light is a determining factor as we journey towards sustainable lighting. Living organisms react highly sensitively to spectral compositions of electromagnetic radiation in the visible range, many of them to blue light in particular. The spectrum used should therefore minimise short-wave light (blue/violet) as much as possible. The recommendation is to install street lights with maximum 3000 K.

The lower the colour temperature, the more warm tones the light will have, and the less impact it will thus have on the animal kingdom. Wherever lighting and urban development impinge on the habitat of sensitive or endangered animals, the recommendation is to use maximum 2400 K or the extremely warm PC Amber colour tone. We offer corresponding light colours as standard in our new product ranges.

Reduced light intensity

Light should be no brighter than it needs to be. Where possible, normative specifications should not be exceeded. Illuminated surfaces also play a role: some materials reflect more light back into the night sky than others. Every last detail counts here – for example Selux ensure that our luminaires do not light up their poles as well.

Controlled lighting

Light that adapts to the circumstances: it's there when you need it and not when you don't. Lighting should be operational according to use. Motion sensors or timer controls ensure light is provided at the right time, and is otherwise dimmed or switched off completely.

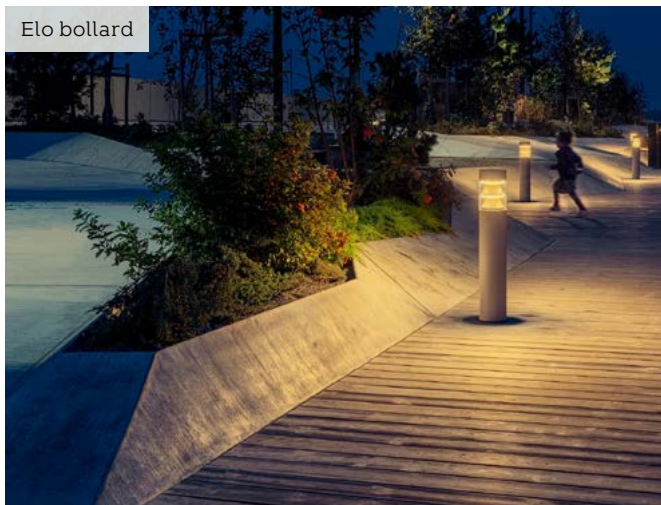
Solar options

Solar power is not only sustainable from an ecological point of view, it is now also financially competitive. Over recent decades, technical advances have improved the performance of solar cells, as well as other system components such as inverters, control and charging electronics and battery storage. At the same time, the economics of scaling production mean costs have fallen considerably: solar cell prices today are 90% lower than in 2010.

Inula darksky lightstacks

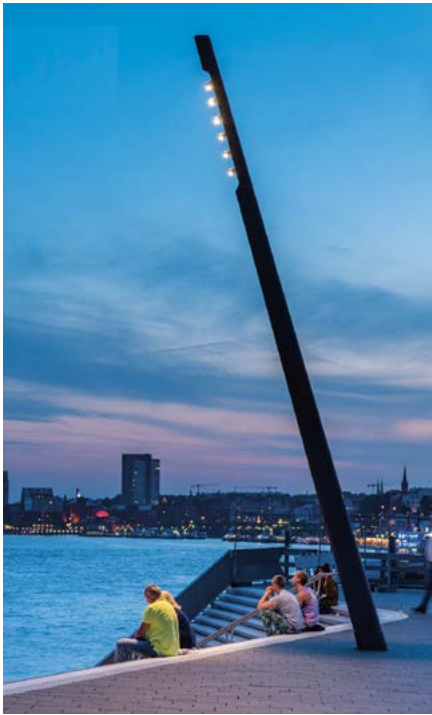


Elo bollard



Olvio Gobo





Olivio with square wooden column



Antares with solar column

In many regions with corresponding light intensity, photovoltaics are already considered the cheapest way to generate electricity. In applications such as making road or path lighting self-sufficient (off-grid), additional factors positively impact economic efficiency and the ecological balance sheet: not only are there no electricity costs per se, neither are there any line charges or wiring installation costs.

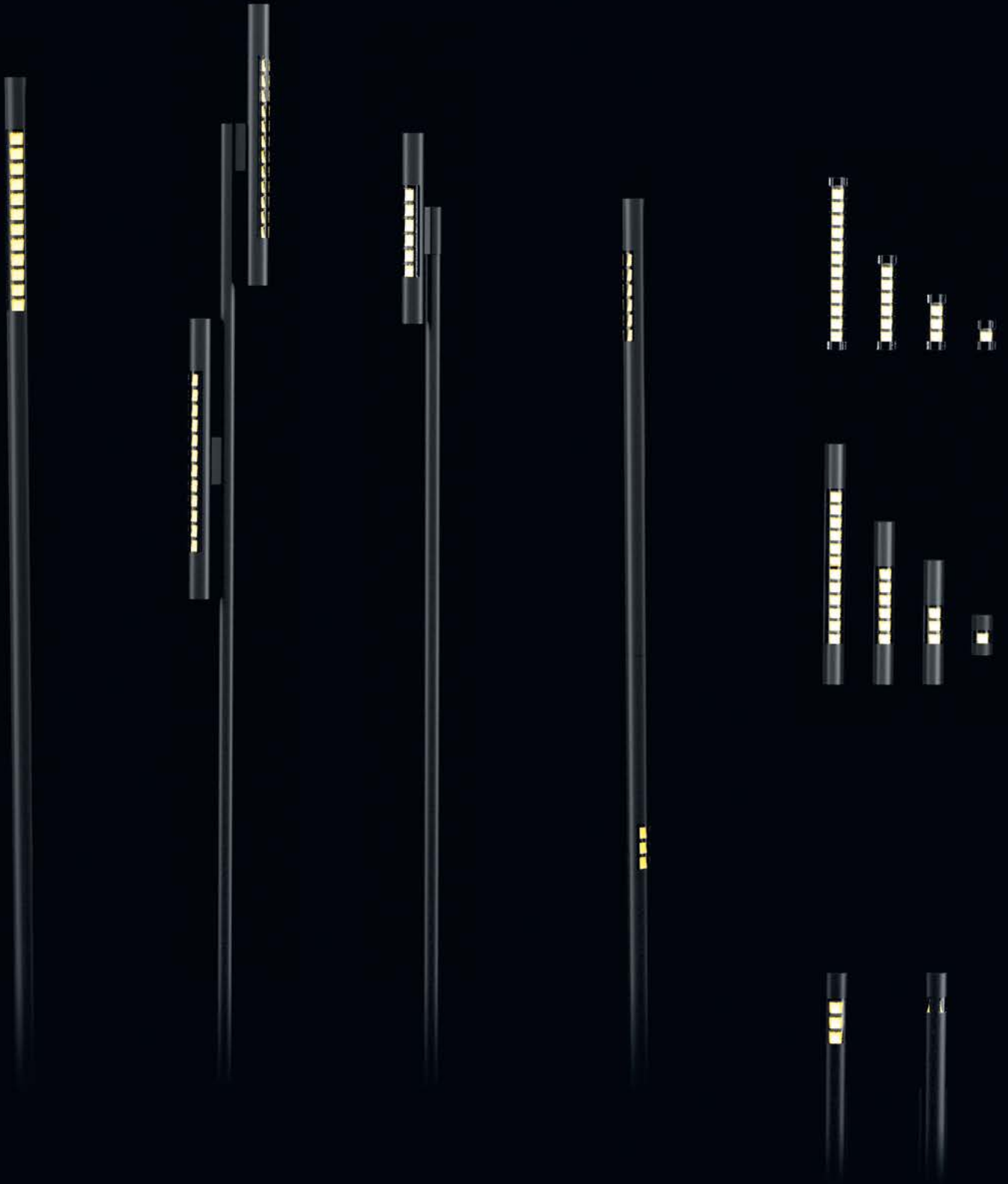
Photovoltaics are also a cost-efficient alternative in neighbouring regions such as Central Europe, as has been demonstrated in recent decades. Several cities and regions in Germany and elsewhere are recording photovoltaic yields in solar land registers.



The Line

The right cell type depends on the specific application. Luminaires with a decentralised power supply require a compact design and high efficiency, which is why Hei solar luminaires from Selux use highly efficient solar cells generally made from monocrystalline silicon.

LINE



Revolutionary
sustainable

The Line - created for timeless applications where a high demand for aesthetics and lighting quality is expected. Thanks to the minimal use of materials, slim 115mm diameter modular construction and smart functionality, planning with the Line has no boundaries. The precision optics of the Comfort and Performance versions in combination with warmer light colours ensure illumination to the highest calibre.

Light for generations.

We pay attention to sustainable supply chains throughout the entire manufacturing process and guarantee provision of spare parts for 20 years after the date of sale.

selux



REDUCING THE ENVIRONMENTAL IMPACT OF LIGHTING

BY LEANNE NIXON, GENERAL MANAGER

Careful consideration for the environment is a must when designing your outside lighting project. Lighting can completely transform an outdoor space, adding ornamental beauty to trees, paths, outdoor structures; enhancing specific features and providing light for access and functions. It is very easy to overcompensate when it comes to lighting so incorporating designs for specified use is extremely important. Less is more with outdoor lighting; always keep it to a minimum, only illuminating the areas which actually need lighting. This will not only look more effective, but have less of a negative impact on local wildlife

(and neighbours). There are multiple factors to consider when it comes to illuminating an outdoor space.

Power consumption - What is best?

With LEDs now being the go-to Luminaire, efficiency has improved when it comes to general lighting compared to older, incandescent lamps, but can we do more? The answer is, yes! It is often mistaken that low wattage lamps are low brightness but this is not the case. Lumens output and Lux Levels are the measurements of light, wattage is the power consumption. Not all lamps of the same wattage will have the same lumens so it is important

to shop around and consider all specifications. Of course the best option to be most environmentally friendly would be to go Solar!

We are all well aware of the global impact of unnecessary power consumption by way of global warming etc, and solar powered lights offer a greener, more sustainable approach to outdoor lighting. This eco friendly option not only reduces negative impacts on the planet, but also slashes the expense of energy bills - especially helpful with the recent (and continued) price hikes! In recent years, solar technology has improved dramatically with more

efficient solar panels, brighter, long-life LEDs and high capacity, long-life lithium-Ion / LiFePO4 batteries. This, combined with calibrating the internal electronic controls means you can now rely on solar lights suited to the U.K. climate. Explore the Pro-Solar Range and ViaMAX Solar Street Lights at lumenalights.com for solar lighting which will illuminate for hours every night of the year. By way of Solar Bollards, wall lights, sign lights and street lights, Lumena's Solar Ranges have proven very popular due to their versatility. Lumena's solar lights are commonly specified for various applications including gardens, commercial premises, public areas and even waterfront piers.

Say no to Light Pollution

When incorporating lighting outdoors, low level LED fittings are the best option, ideally with a downward light projection. Multiple low level lights are very pleasing on the eye and create dramatic lighting effects. In comparison to a single, high output light fitting which is very bold, a number of low level lights will create pools of light which are just as effective in directional light projection but with minimal light pollution. Fittings with glare shield further reduce unnecessary, and sometimes damaging, light pollution. Nocturnal animals rely on darkness to survive. Lumena have noticed a huge increase in requests that outdoor lighting is "Bat friendly", which is lighting designed

not to interfere with bats flying nearby, as well as other animals - thus preventing light pollution.

Glare shields are incorporated into lighting design to ensure the light is emitted only in the direction it is required. Does this mean the illumination is compromised? Of course not. Glare shields do not mean you lose the brightness of the light; it simply controls the light, forcing it into the area it is most needed. In fact it actually becomes more concentrated but with less environmental impact. It is never fun trying to walk down some steps and all you can see is white spots from the glare of extremely bright uplights - we have all battled with it. Inconsiderately shining light into wildlife territory unnecessarily will affect animals in the same way; particularly with extremely high output, broad lights with vast, symmetric beam angles. Spread lighting designs, angled bollards and adjustable spotlights illuminate the ground below which is ideal for path lighting, without dazzling those walking towards the light, as well as local wildlife flying overhead.

Warm White vs Daylight White

Continuing the discussion on "Bat Friendly" Lighting, colour temperature is an easy switch to avoid disturbing the natural habitats of our wildlife. Previously, for commercial installs, daylight white (6000+ kelvins) was often the colour of choice as this can appear brighter with a higher lumens output.





Although this will potentially illuminate a larger area, due to the scattering of blue light via atmospheric particles, it is more harsh on the eye and can have a negative affect on surroundings. Colour temperatures above 4000K have a cool, blue like appearance, and it is this end of the colour spectrum which has the most negative influence on wildlife, particularly bats. Studies have shown that warmer colour temperatures of 2700-3000K, which are more of a red light and otherwise known as warm white, result in a lot less distraction to our wildlife with less impact on their habitat. Bats and other wildlife respond to red light more like they would the dark, but blue light will deter bats from crossing the light. This can result in them not feeding as they should, especially as some insects are attracted to blue light, which is their food source. In addition to the affect on wildlife, a softer, more cosy warm white light is much more appealing in primary areas to create a natural ambience of light. In some applications, daylight white fittings can work well but this should be paired with an anti-glare design, if possible, and warm white should be a serious consideration in areas where there is an abundance of wildlife.



PIR - the PIRfect Solution?

Incorporating PIR lighting into your design has multiple benefits on the environment, locally and globally. Often, lighting is only required at certain times, particularly when people are approaching the area. A PIR (passive infra-red) sensor controls illumination by way of motion detection. Lighting is only generally required when somebody is in the vicinity to add safety to the area. When the PIR is triggered, the luminaire will illuminate but then dim or turn off completely when the detection area is clear. Not only does this prevent light pollution and protect nocturnal wildlife from artificial light, it also reduces energy consumption. Excessive energy usage from fossil fuels does take its toll on the planet (and our bank balance). PIR lighting dramatically

reduces the impact of wasted light and energy consumption in comparison to constant lighting all night long. Pair this with solar and then you will decrease your carbon footprint even further.

If a constant light is required, choose lower level LED lighting, ideally in warm white. Where daylight white is a must, opt for lower lumens output fittings which will have less impact on the wildlife than extremely bright, constant light in daylight white. Small changes can make a big difference and now is the time we need to all do our bit to help protect our planet.

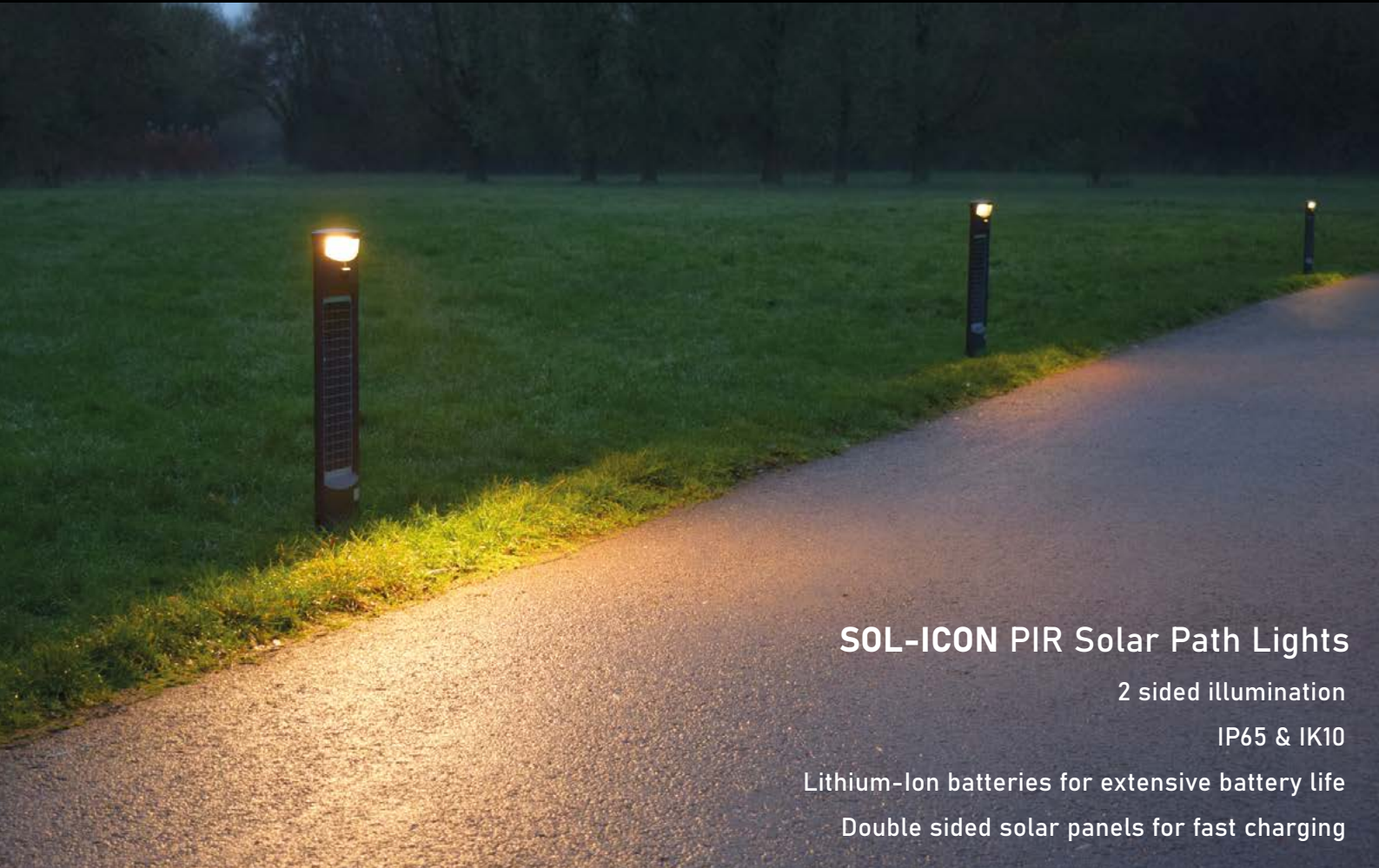
Any good supplier will do what they can to offer energy efficient, eco friendly lighting. Lumena Lights Ltd offer a huge range of outdoor lighting for all applications: low voltage, mains voltage and revolutionary solar. Lumena use high quality materials and technology for fittings which are constructed to last. Warm white and daylight white options are available with many anti-glare and low light pollution designs. Contact them today with your requirements and they will be glad to recommend the best options for your installations.

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HUCK is a specialist in rope technology and your competent partner for innovative solutions in play and sport. Combining outstanding net and rope quality with modern manufacturing methods we can fulfil the highest quality standards. Quality, security and persistence are standards for all our rope play equipment for schools and playgrounds, and for our sports nets.

Innovative rope and net play equipment

As a specialist in rope technology and a competent contact for individual solutions, we have been

building rope play and climbing equipment as well as equipment for indoor and outdoor play areas for over 25 years. Our rope play equipment can be found in school playgrounds, parks and public areas throughout the UK and Europe.

Playgrounds are places where children can make friends and develop social skills, share experiences, explore and challenge, as well as provide healthy exercise and putting children in touch with the natural world. "They can be an important teaching resource, providing opportunities for exciting, stimulating lessons which can

inspire children to learn." ("School Playing Fields: Planning & Design Guidance ...") The Chief Medical Officer in the UK recommends that children have at least 60 minutes of activity every day!

Our netting and rope solutions give any playground the spice they need to create fun from lackluster attractions. Hang our cargo climb nets anywhere to make an ordinary play area into a fun zone!! Our rope play equipment range gives free rein to the play imagination and natural urge to move in children.

It has been designed to fit harmoniously into the most varied of adventure landscapes and can be designed individually. All play facilities can be combined with different climbing options such as climbing nets, net ramps, rope ladders or rubber floors. There is also a large variety of design elements in all colours and shapes within the playground. Whether slide, swing or climbing chimney - fun is guaranteed!

Alongside, we offer a full installation and maintenance service for new and existing outdoor and indoor play areas. Our team will carry out simple repairs to netting, replace worn-out netting and/or equipment, or can work with you to completely refurbish the play area.

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Our sports netting is manufactured from our world-renowned knotless netting. Knotless netting is the preferred choice for sports nets like ball stop nets and safety netting as it is stronger than standard knotted netting. Because it does not have joints at each mesh, our square mesh netting is lighter, making it easier to install and transport.

All our knotless sports netting is suitable for indoor and outdoor use. Every sports net is UV stabilised, rot proof and weatherproof as standard. Huck nets last for many seasons giving you excellent value for money and incredible value.

Thanks to the high quality of our sports nets countless clubs, schools, academies, and facilities all over the UK regularly purchase Huck netting. Many people know us as the official tennis net, tennis screen and tennis post suppliers to the Wimbledon Championships. We are proud of this heritage, and through our sister company Edwards Sports we have been supplying Wimbledon for the past 100 years.





While Edwards is known for tennis, Huck is known for cricket nets, football nets, golf netting and ball stop netting. We supply top premiership clubs with football nets and international stadiums, county cricket clubs and the top golf clubs in the world.



If you need help or further information on the best types of netting for your sport, our team are here to help. We can also tell you more about our sports net install service, which is available for both indoor and outdoor sports netting installations.

To see the full range of play equipment and sport netting available from Huck visit www.huck-net.co.uk or call 01308 425100 or email enquiries@hucknetting.co.uk for a catalogue or to discuss a specific requirement.



Play and Sport Solutions to keep the nation active!

We manufacture and supply an extensive range of innovative rope and net equipment designed to encourage children and young people of all ages and capabilities to be active and, most importantly, to enjoy the benefits of sport and physical activity. The diverse range includes climbing towers, bridges, tunnels, hammocks, trampolines, swings, football goals, tennis and cricket nets as well as nets for the ever-popular soft play areas.



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PREMIUM QUALITY ROPE PLAY SYSTEMS

The last 18 months have been a challenging time for humanity. An opportunity to reflect on how we lead, & what is important in, our lives. Not least for our children, whose development & wellbeing have been affected more than most by restrictions & varying levels of lockdown. The UK government recognises the importance of this issue, & is placing increasing importance on outdoor play. Children learn & grow via social

interaction whilst they play, however, safety is as crucial as ever, whether that be intrinsic to play, or play structures, or the risks still posed by the virus.

As we get closer to coming out of winter, children can head outside again more & more; we should encourage this as much as possible, especially where there are fabulous local play areas to discover & explore. There are so many unique

& challenging playscapes across the UK, in which children can have wonderful adventures. Even if it's not quite summer temperatures yet, there's nothing quite like seeing the smile on children's faces as they run, climb, swing, & express themselves freely via their own imagination. Especially if they have the added confidence of being able to explore well-made play structures which have safety at their core.



imagination, & learn to overcome any anxiety & fears they may have.

Safety is therefore paramount. At Tayplay, we pride ourselves on premium quality rope play systems, which come with the usual stringent safety standard warranties & guarantees expected, & required within the children's play industry. Our products are designed or certified to the industry EN 1176 safety standards with specific age groups in mind, with fall heights of no greater than 2m. Whether standalone or bespoke structures, they are created by our expert designers to ensure that children can play safely & securely, whilst still having fun, & using up lots of energy. They can climb high on our Activity Nets, safely spin on our Cone Climbers, & hover over the ground on our Levitators.

Our new TRAIL range offers no end of possibilities too, along with the flexibility to play on single, or linear structures. Our 3-dimensional TRAILS are ideal for children, & allow them to climb, whilst developing their imagination. They could be scaling the walls of DUART Castle, for example, searching for a fabled giant. They could be crossing the SKYE bridge in search of Bonnie Prince Charlie or Flora MacDonald. Or GLENFINNAN, following in Harry Potter's footsteps? They can join Tam O'Shanter as he races over BRIG O'DOON to flee the witches & warlocks. Whatever the inspiration, children's general wellbeing is assured, as they use up energy, whilst still having fun. The benefits & advantages are endless!

What are the benefits of play to children? Play is a natural process, which not only improves their health, however, also develops their cognitive & motor skills. Children learn through play, whether that be problem solving, improving dexterity, taking considered risks, or improving their spatial awareness, on safe & challenging play equipment. They can cooperate with their friends to learn great teamwork; climb to the top of that magical mountain together, or meet at the top? Even if the 'mountain' is actually a steel pyramid structure, fitted out with various climbing rope nets. It's good for the mind & body. Through the fun & excitement offered by play, children grow in self-confidence, feed their





News providers, medical & governing bodies often report their concerns that children are increasingly living a non-active lifestyle, spending hours on computer games, glued to their mobile devices, to the exclusion of interactive play & general direct personal contact. Governments are being urged to focus on ways to encourage children back out into open play spaces as well as being less reliant on electronic devices & solitary play situations.

One key solution & significant step is to create new, or improve & update older, tired outdoor play areas. There are many skilled designers, producers & installers offering exciting play solutions for children across the country. At Tayplay, our aim is always to produce the

best & most competitively priced products we can, whilst pulling out all the stops to meet the timeframes expected by our trade partners, along with ensuring our processes are as streamlined as possible.

There has also been a huge uptake recently in people using bicycles. Another push for outdoor exercise. Creating more spaces for children to play safely is an additional key factor which encourages them back outside, in order to play & interact with their peers.

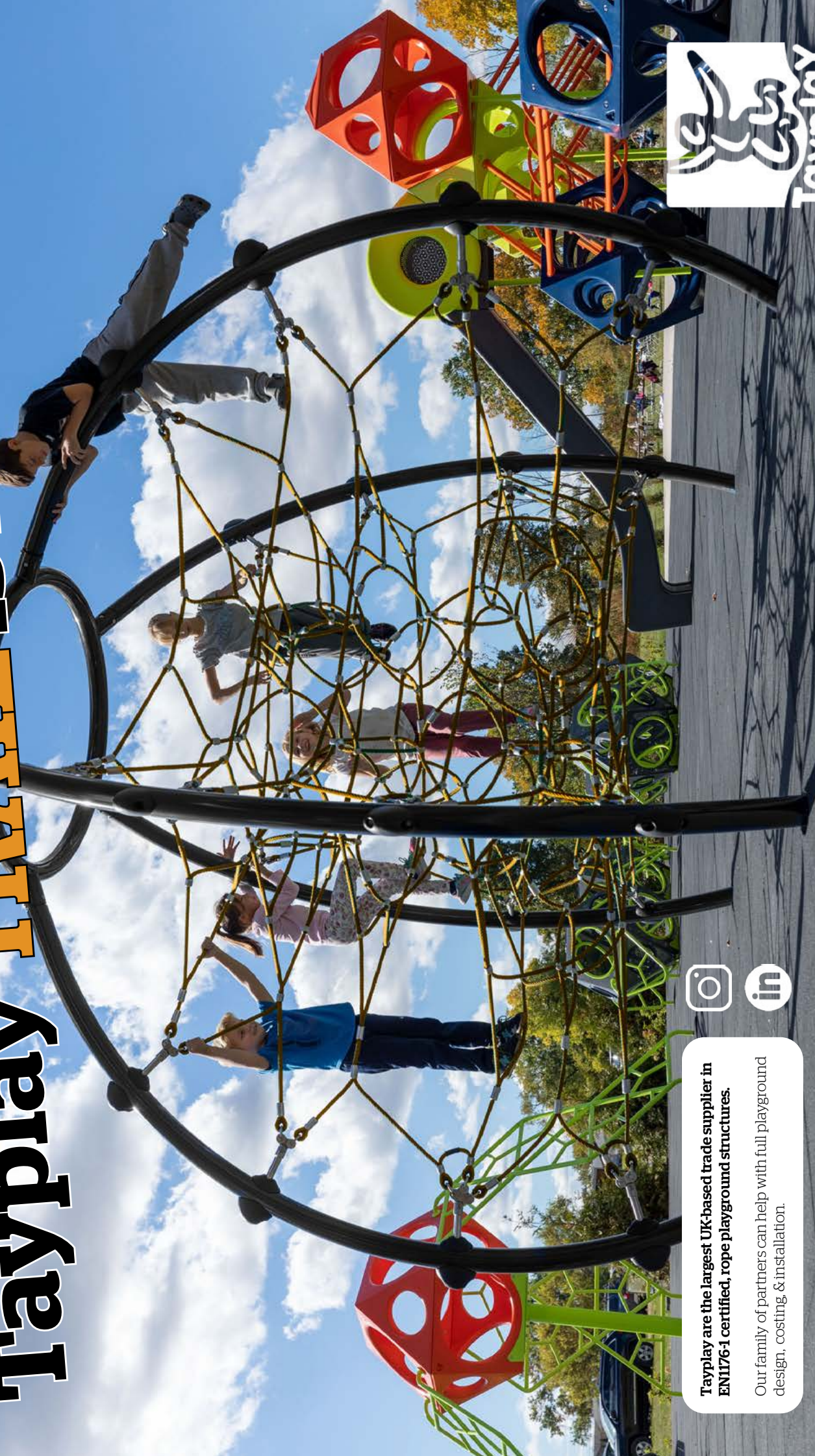
The UK Play Industry has a strong base of manufacturers to meet these needs. As a business of almost 30 years' standing, we also understand the importance of developing new & original Tayplay products. To remain one of the leaders in

the rope net category, we need to diversify & bring new twists to the market. With this in mind, we launched our Tayplay TRAIL in November 2021, & expect to launch additional new items later in the year, so that our product portfolio remains innovative & interesting. Like all successful manufacturers, we recognise the need to anticipate the latest trends required for play sector equipment. Excitement & fun are key, however, safety is essential.

The answer to the current challenges is clear & simple. We need attractive, original, sometimes colourful playscapes, which will naturally encourage children to rediscover their Great Outdoors.

www.tayplay.com

Tayplay TRAIL is here!



Tayplay are the largest UK-based trade supplier in EN1176-1 certified, rope playground structures.

Our family of partners can help with full playground design, costing, & installation.

www.tayplay.com | sales@tayplay.com | +44(0)1738 449 084 | Product Shown: The Duart, from the Tayplay Trail Range



PLAYGROUNDS ARE THE NO.1 PLACE FOR OUTDOOR PLAY

HOW TO FIND A QUALITY PLAY PROVIDER



Children's mental and physical health is at an all-time low; an inactivity epidemic has resulted in record levels of childhood obesity and rising referrals for mental health interventions. When public playgrounds closed in March 2020 due to lockdown, children faced months indoors, alone and sedentary, making an already growing problem even worse.

Away from the home, playgrounds are the most common places for children to play according to a national survey from the University of Reading. In the largest study of play in Britain, children on average spent more time playing in playgrounds than any other place. Playgrounds are crucial spaces for children's outdoor play and it is essential that all children have access to them for their health and wellbeing.

Ensuring all children have access to play facilities is especially important in the UK, where 1 in 8 UK households have no outside space or garden. This rises to 1 in 5 in London and those from the most disadvantaged areas are disproportionately affected. Given the importance of playgrounds for children's health, it is vital that community play spaces are high-quality, challenging and stimulating areas so that children can make the most of their outdoor play time.

Top Tips for finding a play provider

Choosing a play space provider can be a daunting process. First, confirm your play supplier is part of a recognised body. The Association of Play Industries (API) is the trade association for the UK play sector. Its member companies are the UK's leading providers of

outdoor playground equipment and safety surfacing for schools, local authorities, parish councils, leisure attractions, holiday parks, housing developments, hospitality venues and commercial enterprises.

All API member companies adhere to a Professional Code of Conduct to ensure a benchmark of service in play practice and design.

Ask for Evidence

A credible play supplier should be able to provide a portfolio of previous work. API members will provide you with references and case studies of play projects highlighting their competence and commitment to quality.

Play Value

The API Charter encourages members to design fun and challenging play spaces with elements of built-in risk. This drive for innovation ensures API members are always at the forefront of new thinking in play value, inclusivity, safety, diversity, educational value and landscaping.

Identifying an API Member

If your play supplier displays the API logo, ask to see their annual certificate of membership. All API members should be able to produce this proof of membership on request. Check the API website for an up-to-date list of all our current members.

Financial Security

Ensure you have carried out a credit check on your potential play supplier and explored their trading history. Do this before creating a shortlist as ratings change over time.

Upon joining the API, all members undergo credit checks to ensure they are financially sound and can be relied upon to see a project through from start to finish.

Consult with the Community (and importantly, the children and users themselves)

If as part of your brief you require consultation with stakeholders, ensure your play supplier has the resources and knowledge of play to carry out a full consultation with all stakeholders involved in the play space project. For local authorities, this should include children and the wider community in order to create a play space which children will want to use and enjoy.



Commitment to Standards

Check if your play supplier has appropriate certification which demonstrates their compliance with the relevant standards. API members are committed to maintaining and promoting these standards.

Actively Manage Risk

Your play supplier should recognise the importance and significance of risk in play and be able to advise you on the relevant health and safety Standards. Arrange for a Post-installation Report - inspections can highlight possible flaws or incorrectly fitted play equipment before a child uses the play space helping to avoid accidents or injuries. The API recommends using an independent 'annual inspector' certified by the Register of Play Inspectors International.

Technical Mediation Service

The API offers a free technical mediation service to our member companies' clients, dedicated to resolving any technical disputes. This is open to all clients who buy from API members and to API member companies.



For more information about the Association of Play Industries members visit: www.api-play.org



ST ANDREWS SUNRISE WINS ANNUAL GREENKEEPERS' PHOTOGRAPHIC COMPETITION

An early morning image of sunrise over the Castle Course at St Andrews Links has been proclaimed the winner of the 2021 BIGGA Annual Photographic Competition.

Taken by Course Manager Jonathan Wood, the image shows the course bathed in early morning light, with greenkeepers working in the background and atmospheric Scottish skies overhead.

Jonathan said: "Working on a golf course, you get to see the most incredible sunrises and so my camera goes everywhere with me. It's funny, I would change holes a lot because it was a good excuse

to take my camera out and when I spotted that scene, I jumped out of the buggy and fired off a couple of shots. It was a good morning for it and I just knew it was going to be a good photo.

"I have always had an interest in photography and from a mental health point of view, it's certainly helped me over the past two years. You don't have to have a fancy camera, but it's an excuse to go outside and you realise that in the bigger scheme of things we are quite small."

Jonathan is now a two-time winner of BIGGA's annual photo

competition, having been successful in 2014 with an image he took while course manager at Trevose in Cornwall. He wins a Nikon digital camera worth £365 and a framed print of his image, to be presented during the BIGGA Welcome Celebration at BTME 2022 in January.

From competition entries received throughout the year, 24 finalists were chosen and put up for public voting on BIGGA's social media channels. Photographer Mike Hyde of Carefree Golf Photography also lent his expertise to the judging process.



Mike explained why Jonathan's photograph was the pick of the bunch. He said: "When I shoot, I try and create imagery that evokes emotion and this picture absolutely does that for me. It stirs a desire to get out and play golf, although

I would probably rather be taking photographs in that light!"

For the first time, entries into the competition were divided into three categories: Greenkeeping, Landscape and Wildlife.

While Jonathan's photograph won the Landscape category, Joe Simpson of Ipswich Golf Club won the Greenkeeping category and Laura Sayer-Hall of Wallasey Golf Club won the Wildlife category. Category winners all receive a £150 shopping voucher.



Twelve images were selected for the BIGGA 2022 desktop calendar, which is distributed with the January edition of Greenkeeper International, the monthly magazine for members of the British & International Golf Greenkeepers Association (BIGGA).

Registration for BTME 2022 and the associated Continue to Learn education programme is open. The event takes place from 23 to 27 January 2022 and you can find out more by heading to the BTME website, www.btme.org.uk

THEY SAID IT COULDN'T BE DONE!

The dealer (elastic sided, pull on) boot style was the signature product when the Buckbootz safety footwear range was launched in 1998. Since that time we have introduced many additional features to the dealer boot concept but up until now and for obvious reasons, the one dealer boot design feature which eluded safety footwear designers had been the provision of ankle support and protection.

After two years of constant design development and wear testing Buckbootz announces a major breakthrough in dealer boot design with the pre spring launch of a sensational new dealer boot : **bANg guardz[®]**.

Like many good ideas the solution to providing ankle protection on a dealer style is a simple one: build the stretch area into the top part of the front of the boot to enable the ankle protection to be built into the sides. However, that is only the beginning of the story. The real test is in perfecting the boot upper design and components combination so that all the wearer convenience of a normal dealer boot design is not compromised. Getting that right has brought an impressive bonus: you would not believe how comfortable the **bANg guardz[®]** dealer boot style is, nor its lace style stable mate. The EN/UKCA standard ankle protection (standard code: AN) built into these styles provides the extra benefit of unsurpassed snug fit, comfort and support.

Both styles also come with Buckbootz Achilles Clasp heel support and S3 HRO AN SRC certification and both are WATERPROOF - even the elastic on the dealer style is waterproof!

bANg guardz[®] joins a long list of Buckbootz protected designs which have broken with convention and brought completely new dimensions to safety footwear performance, function and comfort.

Your Buckbootz Regional Sales Manager has **bANg guardz[®]** samples for you to preview and forward order. Don't miss the opportunity to be amongst the first merchants to offer this safety boot revolution to your customers.

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PREVENT FLYING DEBRIS WHILE MOWING. INNOVATIVE ATTACHMENT FOR ANY BRAND BRUSH CUTTER. "POWER ROTARY SCISSORS"

The innovative Power Rotary Scissors attachment is ideal for any brand of brush cutter. It features two independent, round, tooth blades that move in "opposite" directions for smooth, clean cutting. The one-to-20 reduction ratio and counter-rotating blades create a clean, safe, sharp cut in any use. It can prevent gravel and debris from flying and damaging trees, plants or cars. The ability to prevent flying debris makes it an ideal brush cutter attachment for operators who work in risky conditions and wish to minimize the potential for property damage.

Power rotary scissors are great for edging, wetland clearance and uncovering of landmarks (drain covers etc). Perfect for precision cutting around lawns, gardens and sidewalks.

With the Power Rotary Scissors, you target exactly what needs to be cut.

Major features are as follows.

- Less flying debris: Useful for trimming near parked vehicles, office windows, buildings.
- Less kick-back: Trims close to hardscape materials.
- Flat bottom design: Ideal for cutting lawn flat.
- Spin dual blade: For reduced risk of causing damage and kick-back.
- At the water's edge: Safe to use near water.

The scissors action works with exceptional speed in cutting down coarse grass, weeds and even thin woody plant material. The blade does the work so the operator doesn't have to. Blades are easy to sharpen and replace as the gear unit

can be completely disassembled for easy maintenance.

With dual blade rotating scissor action, multiple adapters to fit a wide range of trimmers, and additional blade options available for thin/soft grass, edging, or multi-purpose cutting.

Attach this to a brush cutter in minutes and instantly increase productivity and safety. The trimmer head is ideal for edging and precision cutting.

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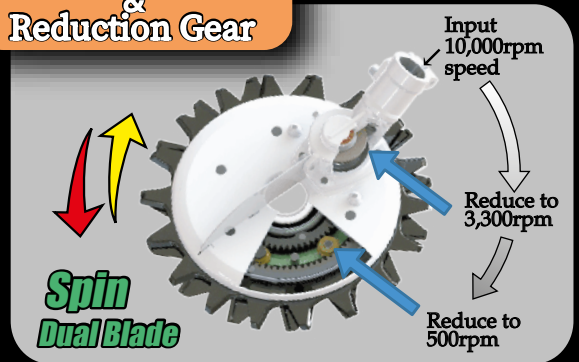


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The Base-, Mid- and Toplayer clothing combines to keep you working dry, warm and comfortable wherever you are on site. With sustainability at the forefront of Snickers Workwear's clothing philosophy, garments are available in recycled polyester and merino wool as well as the 37.5® technology ventilating fabric to suit different types of work in a variety of cold and wet weather conditions. The cutting-edge AllroundWork, FLEXIWork and LITEwork designs and fabrics will keep you warm and dry - so you won't get cold, wet and shiver. All the garments are made from quick drying, fabrics that come with special ventilation features to control and regulate the heat from your body. All in all, Snickers Workwear Baselayer clothing will give you the kind of warm, dry and fresh working comfort you wouldn't have thought possible. That's why Snickers Workwear is the brand of choice for working outside in the winter. So, to make sure you get the right protection, visibility, flexibility, durability and ventilation, check out the Climate Control garments from Snickers Workwear that work together to suit your workday.

For more information call the Helpline on 01484 854788; check out www.snickersworkwear.co.uk or email sales@hultaforsgroup.co.uk

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