

# BUILDING UPDATE

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Checkedsafe  
see them on.....III



Independent Access Sales  
see them on.....IV-V



Swifix  
see them on.....VI



Sandpit Creations  
see them on.....IX



Signs 2 Safety  
see them on.....X



Wallbed Systems  
see them on.....XV



Kedel  
see them on.....XVIII

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# Make your project possible

**D**CON Safety Consultants Limited offers leading health and safety consultancy and construction statute advice services. The company prioritises and specialises in the highest levels of informed and intelligent advice, senior project resource allocation and compliance assurance. Informed by industry expertise, DCON Safety Consultants Limited knows that every project has potential risks, no matter what its potential benefits, so its team of highly experienced construction professionals helps to ensure clients' statutory conformity.

Upon gaining understanding of the specific needs, goals and desires of each client and their project, DCON Safety Consultants Limited is dedicated to implementing a design and construction management plan that will meet or exceed these requirements. And, DCON Safety Consultants Limited ensures that there is honesty, integrity, trust and professionalism underpinning every project.

Moreover, the company's services are centred on three delivery principles:

- **Maximising Quality:** The company implements proven health, safety and wellbeing strategies to help clients achieve high quality and cost-effective work commensurate with the design of their projects.
- **Minimising Risk:** The company effectively manages design and delivery risk on projects to match each client's desired risk level profile.
- **Managing Compliance:** The company relies on its extensive background working on a wide variety of projects to assist clients in developing, monitoring and maintaining compliance performance.

This excellent service would not be possible without the leadership of Diarmuid Condon, a construction industry leader who brings unique perspectives to encourage, support and mentor the abilities of his colleagues. As a construction professional with a surveying background and experience spanning two decades, Diarmuid is emblematic of DCON Safety Consultants Limited's commitment to providing outstanding services to clients.

Diarmuid has contributed his invaluable expertise to over 400 projects over 20 years, with a client list including public sector departments, corporate owners, real estate developers, main contractors, design professionals and infrastructural bodies. With this incredible portfolio, Diarmuid is helping DCON Safety Consultants Limited to become a leader in health and safety consultancy across the construction industry.

Key to DCON Safety Consultants Limited's services is working as a Project Supervisor for the Design Process and CDM Advisor in various



sectors across the Irish construction market. No project is too simple or too complex for the company's construction safety consultants, all of whom are construction professionals with an average of 20 years' experience in the built environment. The ability to maximise this knowledge and skillset means DCON Safety Consultants Limited can generate distinctive and innovative ideas from traditional PSDP service inputs and outputs.

DCON Safety Consultants Limited also provides its main contractor clients with intelligent, practical, and reasonable physical site safety advice to support compliance and good practice adherence. Behavioural safety outcomes inform how the company approaches each solution with the contractor and their supply chain, identifying opportunities for improvement.

To complement this, DCON Safety Consultants Limited can also help with clients' health and safety strategy. Its holistic and integrated approach can help unlock substantial benefits for clients by providing a structured, objective and SMART framework for full optimisation through the

creation of an environment that embraces health, safety and wellbeing.

This means DCON Safety Consultants Limited helps clients to improve their health, safety and environmental performance; enhance staff satisfaction thanks to improved performance; improve risk management and corporate governance with a clear audit trail; gain confidence from long-term planning, better sustainability and performance; and improve overall corporate reputation, including greater staff satisfaction and a more efficient procurement and supply chain.

If you are interested in finding out more information on DCON Safety Consultants Limited's full range of excellent services, head to the website or get in touch directly using the contact details below.

**T +353 (0)1 611 1556**  
[diarmuid.condon@dconsafety.com](mailto:diarmuid.condon@dconsafety.com)  
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# IAS for your perfect access platform



Access Platforms are indispensable for working at heights or hard-to-reach places, providing workers with a robust structure across many industrial sectors. Many essential services such as air conditioning units, pipes, and ductwork are often stored high in the roof and access platforms are key to installation and essential repairs/maintenance throughout the year. With health & safety in mind, the steady, well-fabricated structures give extra reassurance to workers, throughout the operation period.

Independent Access Sales (IAS) is a relatively new company but with decades of expertise behind it. Established in 2020 by Managing Director: Richard Martin, the Huntingdon-based company is set to take the country by storm.

IAS is a distributor of access platforms across the UK and Ireland and Richard brings more than 35 years of industry experience, from scaffolding, cradle platforms, erection, surveyor, to supervisor, "We are getting noticed now across the industry. We have won three awards in the last twelve months, including a Golden Award from Media2. We've been to numerous trade shows and generated a lot of interest."

"We are excited to reveal that we have exclusively signed with SOCAGE: producer of globally-leading aerial platforms to distribute their truck-mounted platforms, up to 100 metres. A truck-mounted platform is a mobile

elevating platform, which can be attached to a road-licensed chassis and is great when you require an access platform to be adaptable, as it can be switched from site to site easily. We are looking forward to adding this to our growing portfolio and by the New Year, expect to be selling a wider range of Easylift Spider Platforms, SOCAGE Truck Mounting Platforms and Leonardo HD by Bravi HD to new and existing customers across: facilities management, construction, heritage restoration to tree surgery and many more."

The existing SOCAGE truck line has been flying off the shelves with customers already this year: the SOCAGE 20T carries loads up to 230kg and is a favoured mounted platform for working at height. The SOCAGE 21DJ works up to 20.3M and is a second popular choice for many applications.

For those working in facilities management or heritage restoration, the Easylift srl Piattaforme Aeree R360 provides a turret rotation of 360° for cleaning and delicate work in limited spaces. Designed to work at a height of 35.4M, it is also preferred by tree surgeons for all aspects of arboriculture. The R260 model works to a maximum height of 26M, with an outreach of 13.5M, precision-designed for maintenance and installation jobs.

The Bravi Platform HD meanwhile is the default choice for tight spaces and doorways, offering a sturdier alternative to scaffolding or ladders.

IAS offers a full consultancy service for new customers, to source the perfect access



platform and moving forward, offers six-monthly inspections, servicing and maintenance, meaning you can just get on with the job at hand.

"It is a real pleasure to hear repeat custom across many sectors. We take great pride in customer service, from our expert, technical know-how, to quick lead delivery times."

"In the near future, we are hoping to begin talks with a dealership of little truck booms. These are ideal for a variety of one-day applications from street work, signage, windfarms to pest control. Look out for our Spring demo road tour round the UK! We look forward to meeting new and existing customers then."

The company currently has an extensive range of used machinery for interested customers, including: JLG660SJ Articulated Boom, Aerial AL22 Truck Mounted, Multitel MJ201 Truck Mounted and Easylift R180 Spider Platform, please see this link for details: <https://iasales.co.uk/used-machines>

**For more information, or to view the product range, please see the website below or ring Richard Martin directly: M 07483 246878 [enquiries@iasales.co.uk](mailto:enquiries@iasales.co.uk) [service@iasales.co.uk](mailto:service@iasales.co.uk) [www.iasales.co.uk](http://www.iasales.co.uk)**



# SWIFIX: Leading products to enable fixing through EWI



Protecting Your Investment

In this issue of Building Update, we are delighted to showcase SWIFIX with our prestigious Production Innovation Award for the EWI sector.

Multi-award winner SWIFIX is synonymous with excellence and innovation and since inception in 2016 has seen astonishing year-on-year growth. With growth expected to more than double this year, Founder and Director Paul Brown has taken on a new company depot to expand the fulfilment side of the business.

The key milestones in the company's history include partnering with CityFibre to roll out UK-wide broadband with leading installation products such as fibre broadband cables, catenary wires and utility boxes. A further collaboration with Exeter College as consultant on curriculum saw the design and delivery of retrofit boot-camps and upskilling courses for the insulation sector.

Paul began his career as a plasterer working on the restoration of ornamental plasterwork before moving into the EWI sector over two decades ago and working with a company that is now a FTSE 250 listed company. Gaining working knowledge across the sector, Paul worked in a number of directorships delivering EWI, Decent Homes maintenance, gas and electrical and renewable services.

With expert knowledge of the EWI sector at large, specifically within the housing sector, Paul saw a niche market and started designing and producing a range of fittings, dedicated to refitting and installing lightweight and heavyweight items through EWI systems. These innovative fixings have been approved and specified by many EWI system designs and clients across the UK and can be used during or after system installation.

"This work progressed further as a key member of GCAP (Green Construction Advisory Panel): a group of individuals set up in the South West from across industry; including installers, suppliers, landlords and merchants. The mission of GCAP is to bring sustainable training and education opportunities to the housing and construction sectors." explains Paul.

With the legislative passing of PAS 2030 in 2017 and PAS 2035 in 2019, the industry has moved away from the more traditional usage of timber pattresses, which are now seen as poor practice by many experts including the Chief Construction Adviser (CCA) Peter Hansford. The traditional method of fixing items, such as satellite dishes, fence/gate posts, external pipe work, lights/alarms, canopies, utility boxes, through to washing lines and hanging baskets had been through timber pattresses, spreading the load over a larger area of surface wall. This however contributed to cold spots, thermal bridging and even impacted on insulation qualities, alongside the natural wear and tear of the timber itself.



The SWIFIX range is PAS 2035-compliant for retrofitting, modular housing sector and future-proofed for maintenance provision, meeting stringent requirements to mitigate against insulation compression, with its industry-leading watertight seal. The products include single universal fittings, satellite fitting kits, pipe connectors, connection point fittings, and tap fittings. The multi-award-winning SWIFIX external wall fixings are available via wholesale merchants and come highly recommended by the UK's leading systems manufacturers as 'Products of Choice.'

#### The SWIFIX range includes the following:

- **SWIFIX single universal fitting:** Secures, downpipes, vent pipes, canopies, lights, alarms, and more
- **SWIFIX satellite fitting kit:** Designed for refitting a standardised satellite dish through EWI.
- **SWIFIX Pipe connector:** Securing small to large pipes and cables, giving a robust, watertight seal.
- **SWIFIX connection point fitting:** Ideal for attaching cables, hanging baskets, trellis utility cables and washing lines.
- **SWIFIX tap fitting:** Fits an external tap through EWI, ensuring a watertight seal.
- **Introducing new additions to the SWIFIX family:** A range designed for fixture to render for small lightweight cables, through to thermally effective solutions for air source heat pumps and air conditioning currently being developed.

"We're proud to be recognised for this Production Innovation Award – our Devon-based company has grown exponentially since 2016 and we are now supplying products throughout the UK and Europe. We've established long-term relationships in Greece, Poland and Germany and are hoping to expand further across the continent in the near future. Business is flourishing due to the unique nature of our products on the market."

"We routinely work with Architects, Local Authorities (LA's) to major contractors and system designers providing innovative, industrial solutions for securing external wall furniture, through insulation and cladding, across a range of properties, including retrofit, new build, and the off-site modular sectors."

"With the current accelerated focus on the circular economy and meeting the UK Government's 2050 net-zero targets, we are proud to report that the SWIFIX fixing range is made from partially-recycled plastics, with all parts and packaging fully recyclable, reducing the need for landfill. For any EWI Systems Designers looking for sustainable product options, this is an area that we are delighted to be endorsing."

**For more information or to talk to Paul Brown, please see details below:**  
T 01884 211540  
info@swifix.co.uk  
<https://www.swifix.co.uk>



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# Modular Building Designs for Construction



**ModConCabins**  
Manufacturer of Modular, Containers & Cabins

In this issue of Building Update, we are pleased to feature Modcon Cabins for its Commitment to Excellence in creating bespoke modular and portable buildings.

ModCon Cabins provides modular and portable building solutions, specialising in custom cabins made from shipping containers. Their services are particularly valuable to the building industry because they offer flexibility, fast installation, and eco-friendly options, which help meet the diverse needs of construction sites while optimising site setups.

ModCon's steel anti-vandal cabins provide robust security for machinery, tools, and office equipment, while their fully fitted welfare units deliver essential



amenities like kitchens, bathrooms, and toilets. These units are equipped with electrical wiring, insulation, and additional features such as water bowser pods and effluent tanks, ensuring seamless site operations with all necessary modern conveniences. Ideal for construction sites, these products help clients maintain secure, fully functional environments that are both efficient and comfortable for workers.



Converting an unused cabin into a workshop can be a highly practical solution for a workspace on a construction site, and this is what Modcon Cabins do best. Whether they are to be used in combination or alone, ModCon can configure your cabin in a multitude of ways to best suite your requirements.

Portable cabins offer adaptable solutions for various site needs, such as tool storage or accessible office space on construction sites. They combine strength, versatility, and portability, making them essential for eco-conscious and adaptive construction. These self-contained structures are cost-effective without sacrificing durability or design. Their flexibility allows for easy relocation, repurposing, and redesign as required. ModCon Cabins provides expertly crafted modular buildings that meet industry demands, delivering high-quality, customisable units tailored to specific client needs, ensuring both functionality and premium design in the construction sector.

Brand new cabins and buildings will give you a complete blank canvas, enabling you to customise it as you wish. ModCon will work with you to assemble and complete your building to an exceptional standard, allowing you to choose from their wide range of brand-new cabins that include Plastisol, Secure Storage, Anti-Vandal, Flatpack, Welfare, Secure Fuel Storage, Chemstores and more.

Refurbishing old cabins into new spaces has several positive environmental impacts including reducing waste by repurposing existing structures, minimising the need for new materials, and lowering the demand for resource-intensive processes like steel and concrete production. ModCon's used alternatives still offer similar benefits to brand-new but with a reduced-price tag.

Eco Modular Buildings from ModCon are significantly more sustainable than traditional constructions, using fewer materials and less energy. ModCon's eco cabins go further by reducing energy consumption and potentially enabling the generation of renewable energy, lowering both environmental impact and energy bills. Committed to helping clients meet sustainability goals, ModCon includes features in its full fitout service that future-proofs cabins, minimising pollution and waste. These solutions align with modern environmental standards while ensuring long-term efficiency and eco-friendliness.



For every portable building process, ModCon will work with you from the initial enquiry through to the customisation, build, project management, delivery and setup. From your first interaction to the moment you step into your new space, ModCon's process is seamless.

As a trusted UK-based manufacturer and supplier, ModCon Cabins delivers both functionality and premium design in their modular buildings. Founded by Alan, now Managing Director, the company has been serving various industries since 2018. What began as a local venture quickly expanded into a strong team with over 50 years of combined experience. Known for their honesty, integrity, and exceptional customer service, ModCon Cabins has earned a reputation for providing comprehensive cabin and shipping container solutions across the UK, with their work and dedication speaking for itself.

**Whether you're looking for a brand-new modular building complex or require refurbished shipping-container solutions, please get in touch below:**  
**T 0333 404 8822**  
**M 07842 318869**  
**info@modconcabins.co.uk**  
**<https://modconcabins.co.uk>**





# CBeebies Rainbow Adventure: Bringing immersive theatrical experiences to retail

The CBeebies Rainbow Adventure opened a few weeks ago to great acclaim. The BBC children's channel has always been loved by children up and down the land, with generations of families tuning in for In the Night Garden or Bedtime Stories. The latest crop of popular hit characters include: Mr Tumble & Friends, Bluey, Hey Duggee and JoJo & Gran Gran and all four feature in the new CBeebies Rainbow Adventure.

Housed in the Westfield Shopping Centre in Shepherd's Bush, the immersive experience can be found on Level 0, next to Next and is open to families with young children. The 55-minute theatrical extravaganza takes visitors through four interactive rooms with children invited to collect rainbow colours to complete the rainbow at the end. With exciting video imagery and props throughout, it's the perfect way to entertain children throughout a busy and tiring shopping day trip.

We were lucky enough to catch up with Sandpit Creations, an award-nominated creative workshop based in London and one of the teams involved in bringing the CBeebies Rainbow Adventure to life.

Sandpit Creations is on a mission to create innovative sets, props, and experiences that both engage audiences and are built to withstand interaction. The team of widely skilled creatives include carpenters, creative and concept designers, scenic artists, textiles specialists, creative technologists, prop makers, sculptors, and metalworkers as well as writers, directors and performers.

From modern and traditional fabrication techniques including joinery, fibreglassing, textural effects, microelectronics, and robotics, Sandpit Creations deliver next-level special effects and theatrical immersive experiences.

Established in 2023, the award-winning team has already worked with high-profile clients like Samsung, Doc Martens, Aardman, Cupra, Kew Gardens and Wakehurst and completed projects in museums, attractions, bars and corporate events, with the dream team delivering perfect project management each time.

We caught up with Director Dan Barr to find out about this latest exciting project, "We worked on lots of different elements on this project: incorporating CBeebies archive video clips with set design and props, which was great as we got to work in a multidisciplinary way. In the Hey Duggee room, our brief was to design and make a traditional grandfather clock. Due to Building Regulations, we had to source fire-rated fire, which is not available from a standard Building Merchants and we had to use a specialist supplier. The clock features in an interactive 'disco scene' and the clock hands spin round, which was achieved by the clever insertion of an electric motor."

"Our creative team loved working on the carved butterfly installation, involving a rope pulley from the ceiling. The butterflies are all painted with beautiful, bright, striking colours, which makes all the children smile."

"The rainbow tool box is also made from fire-rated plywood and has toadstools and moss carved on to the toolboxes. It looks great and at the end, one of the CBeebies' actors pushes the button to create the illusion of a rainbow, incorporating the best in micro-electronic programming."

"The immersive theatrical experience is a long-term installation and we will be on hand to visit the site and carry out necessary safety checks and repairs as necessary."

"Immersive experiences are here to stay and are increasingly popular in the hospitality sector, especially bars and restaurants, leisure complexes, water parks, through to retail outlets and museums."

"We are a media-savvy generation, with younger people driving next-level technology, AI and robotics and immersive spaces add another layer of fun and enjoyment to public spaces."

"It's not an entirely new concept though: the Rainforest Cafe restaurant chain fashioned tropical rainforest ambiances across North/South America and the UK in the 1990's. Utilising plastic plants, fog machines, waterfalls and the enchanting sounds of the rainforests, the restaurants tried to emulate the 'first rainforest culinary experience.' Diners would be greeted by faux ancient ruins, suspended papier-mâché birds and butterflies and even a statue of Atlas. The chain experimented with animatronic animals and the centrepiece was the simulated night sky on the ceiling, accompanied by atmospheric thunders storms. Though rather rudimentary and crude by today's standards, this did set the wheels in motion and points to a captive audience dating over thirty years."

**If you have an idea for a project across the building, hospitality or other sectors, contact Sandpit Creations today:  
T 07547 352391  
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**To find out more about CBeebies Rainbow Adventure and to book tickets, click here:  
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# Make your business stand out with the best signage

In this issue, we are delighted to feature Superior Signs for its Commitment to Excellence in the Construction Industry.

Superior Signs is a family-run business based in Bury, Lancashire and has been providing a leading signage business for over 50 years.

The company was established in 1973 by current MD Geoffrey W Buckley and supplies to a wide range of applications from: professional services, councils & charities, retail, food & leisure, healthcare & social care, construction & trade, to education & SEN. High-profile customers over the years have included: NHS England, B&M, Premier Inn, Bury Council and Bury College.

**The full range of signage from Superior Signs is as follows:**

- **Outdoor Signs:** Shop front signs, post & panel signs, hoardings, A boards & pavement signs, banners & flags.
- **Indoor Signs:** Interior signs, wall & floor graphics, whiteboards & noticeboards and canvas printing.
- **Other Signs:** Acrylic signs, directional & wayfinding signs, health & safety signs, illuminated & LED signs, engraved signs and special event signage & printing.

**The products Superior Signs can offer the construction industry through Signs2Safety includes:**

- **Budget construction site signs:** Made in 4mm correx, signs include warning site entrance, CCTV

in operation, guard dogs, fire assembly point, no smoking, safety helmets and much more.

- **Construction Site Signs:** This includes road and site signs to ensure public and worker safety such as: no public access, road closed and caution vehicle reversing signs – 3mm PVC & 3mm composite aluminium & reflective signs
- **Safety boots:** A wide range from Himalayan trainers to safety boots
- **Hi-vis clothing:** A wide range of hi-vis jackets, vests, waistcoats, bomber jackets and much more.

“At Superior Signs, we pride ourselves on giving the same professional service whether it is a small internet sign or large external signage.”

“We design, manufacture and install high quality signage across the North West for every type of business and industry, including the manufacturing and fitting of largescale signs for shops, factories, schools, construction sites and many more and offer customisation of all signs including customer logos and brand images.”

“New signage is guaranteed to create an impact wherever it is situated and helps improve visual awareness and business. We love helping businesses thrive with the most creative signage ideas.”

“Signage on construction sites needs to adhere to Health & Safety Regulations 1996 and for this purpose; we supply all types of safety signs to the whole of the UK through our online shop – [signs2safety.co.uk](https://signs2safety.co.uk).”



“All our signs are made with high-quality materials and comply with the latest legislation.” explained MD Geoffrey W Buckley.

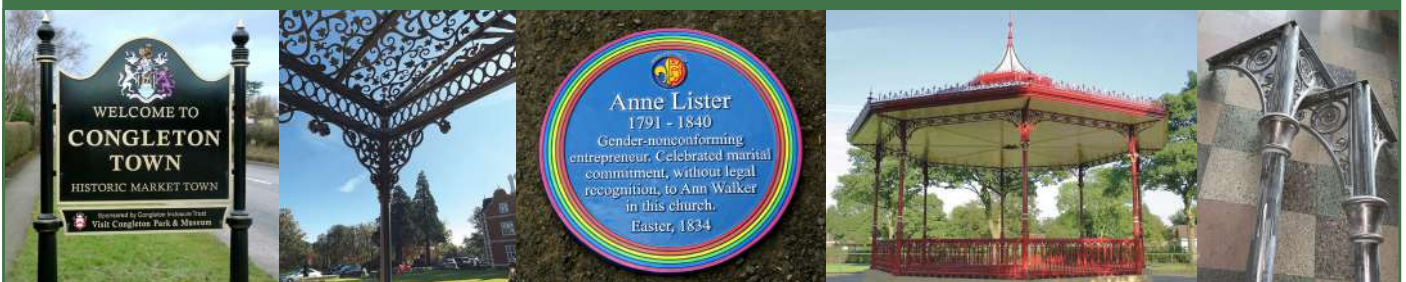
Over the last fifty years, Superior Signs has worked with a wide range of customers and takes great pride in delivering exceptional customer service. This is evident in the glowing five-star Google reviews from happy customers, “Excellent service and quality, will definitely be using again. Geoff was efficient and responsive with a request for a quick turnaround of 4 x A1 foamex boards. All done by e-mail before delivery. Thanks Geoff!”

If you’re looking for clear signage from a family-business with fifty years’ industry experience, Superior Signs offers a professional service for all businesses, small to large and across all industries, including bespoke requests.

**For more information, including examples of previous projects, please see the details and website below:**  
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[sales@superiorsigns.co.uk](mailto:sales@superiorsigns.co.uk)  
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Manufacturers of Fine Structures and Signage Solutions

# Introducing the Eco Clipper Electric Mowing Systems

**E**co Clipper offers large area mowers that help field managers minimise mowing costs while producing a professional finish. The Eco Clipper mowing system was originally developed to replace the cylinder mower in turfgrass production. The aim was to retain the cutting performance of a well-tuned cylinder mower, but not the high maintenance requirements and sensitivity to mowing conditions, such as wet grass and weeds.

## The system

The smooth cutting decks with fast spinning small blades ensure a high quality of cut and a good distribution of clippings. Thanks to the electrically driven blades, the mower is very economical and quiet. The large wheels and smart mower deck linking system ensures good contour following and enables high mowing speeds.



## The benefits

Users report high productivity gains and appreciate the low maintenance requirements and the ability to schedule mowing even under less favourable mowing conditions, such as early morning dew and wet autumn, which can often prevent removal of grass clippings.

## The models

Municipalities and sports field and park managers have discovered the advantages of the Eco Clipper mowing system. For them, Eco Clipper now offers two versions: the 4.11m wide EC-FM4 Sport and the 3.43m wide EC-FM343. Both are positioned in front of the tractor, providing excellent visibility and comfort for the tractor driver.

The EC-FM4 Sport has four independent mowing decks, mows till 4.11m wide and folds up to 2.5m width. It only needs 50hp, but fits best to small size agricultural tractors. To meet the demand for more lightweight mowers suitable for most park tractors from 40hp upwards, the Eco Clipper FM343 has been developed. This three-part Eco Clipper front mower cuts 343cm wide and folds to a transport width of 170cm. As with the larger 411cm wide EC-FM4, electricity is provided by a PTO-powered generator behind the tractor.

For more information, please see below:  
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# Big benefits from small parts picking in pallet racking

**E**dward Hutchison, Managing Director of BITO Storage Systems, explains how using pallet racking for small parts storage turns this ubiquitous storage product into a flexible order picking solution.

While constant innovation generates a stream of new intralogistics solutions, 'classic' pallet racking remains the most commonly used storage system. Its relatively low investment costs and flexibility – whether through changing rack configuration, retrofitting special purpose modules or adding extra bays – have made it an indispensable framework for storage and order picking systems.

Of course, many operations use pallet racking as the basis for straightforward storage and retrieval of full pallets, either to fulfil customer orders or as a bulk store for replenishment. But the trend toward shorter product life cycles is increasing SKU numbers. The

drive to minimise stock levels for each SKU and improve picking process efficiency to speed up order fulfilment, combined with demands for Just-in-Time delivery and online retail, is generating a greater need for small parts storage.

This is where the adaptability of pallet racking comes to the



fore because small parts picking can be easily integrated within pallet racks. One option is to create small parts pick locations on the reachable ground level, with upper storage levels serving as a buffer store for replenishment. Small parts storage containers will help to store and organise small goods and C-parts – making them available for quick and easy picking.

This will result in a reasonably efficient picking process but ground floor locations within a pallet rack will, of course, be limited. Solutions are therefore required to maximise the available space to create a pick face with sufficient locations for the required SKUs, and enough stock to ensure availability during picks.

Flow shelves can be easily installed into pallet racking to increase the number of pick locations and volume of SKUs located on the ground level pick face. Goods are easily accessible from the front of the racking – the rollers on the flow shelves allow bins and containers containing small items to be picked roll smoothly to the front of the shelf – which makes picking easy. A full container of parts will roll to the operator each time the empty one at the front removed.

Standard shelving is another option to create flexible small item pick faces within pallet racking. There are several solutions: the first incorporates static shelving at right angles to the racking, with space in between each run to facilitate picking. An alternative option is pull-out mobile shelving that maximises the available space under the racking – though movement of



shelving has a negative impact on pick time. A third solution involves static shelving parallel to racking, which makes front items easy to pick. Shelving dividers can be fitted.

Inclined supply shelving within a pallet racking bay will make items clearly visible for picking. Cardboard cartons or plastic bins can be used, though the later option enables preparation in advance at the goods-in area by filling the plastic bin with the items to be picked.

Plastic bins and containers will keep goods protected throughout the intralogistics process and during transport to ensure the quality of products are delivered to the customer in prime condition. It is worth seeking out storage system suppliers that in addition to offering racking, shelving and in flow lanes, also provide a container range comprising a variety of sizes with and a broad choice of accessories. Such a supplier will be able to design the optimum system to fit a given space, maximise the potential for small parts picking and, ultimately, improve fulfilment.

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E2 Media have recently unveiled their highly anticipated 2024 Awards of Excellence. Warwick Buildings Ltd, have secured the prestigious award for the second consecutive year. Their exceptional dedication to providing unparalleled customer service has set them apart.

Warwick Buildings' outdoor buildings are designed to meet the growing demand for functional workspaces within the tranquillity of your home.



These structures are crafted with precision and attention to detail, utilising high-quality timber. Whether for remote professionals or those looking for traditional office spaces, these garden offices are a perfect solution. Warwick Buildings offers a wide range of customisation options, allowing customers to create a building that matches their specific requirements. Warwick Buildings incorporates advanced insulation techniques and double-glazed windows into their garden rooms and offices, making them energy-efficient, suitable for year-round use.

So, if you're looking for a suitable outdoor office space or want to increase your living space then Warwick Buildings is the go-to choice for all your needs.

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# Bettablok's sustainable revolution in construction

Building with earth is a tradition that stretches back many years, with materials like clay, cob, mud-brick, and rammed earth forming the core of ancient architecture. A prime example is the Great Mosque of Djenne in Mali, an impressive 13th-century mud-brick structure that has earned World Heritage Site status. The thermal mass of earth materials insulates such buildings from daytime heat and retains warmth during cooler nights, showcasing simple yet ingenious engineering.

However, in recent decades, particularly in Western countries, concrete has largely replaced these natural materials. This shift has contributed significantly to carbon emissions and environmental degradation. But as the global community becomes increasingly aware of climate change's severe impact, the construction industry is under pressure to reduce its carbon footprint.

Enter Bettablok – a revolutionary product designed to address these environmental concerns.



Developed by Malcolm Carrington, a veteran with a background in forestry and historic building restoration, Bettablok offers a sustainable alternative to conventional cement and concrete. Inspired by his longstanding involvement with the East Anglia Regional Telluric Houses Association (Eartha), Carrington's innovation brings a modern twist to traditional earth building techniques.

**Bettablok is crafted from a blend of natural materials such as aggregate, fibre, lime, chalk, and clay. Its advantages are numerous:**

- **Sustainability:** Made from 100% natural and locally sourced materials, it boasts a minimal carbon footprint compared to traditional concrete, which is responsible for about 15% of global carbon emissions.
- **Zero waste:** The blocks can be crushed and reformed or reused, promoting a circular economy.
- **Thermal efficiency:** With high thermal mass, Bettablok helps maintain comfortable indoor temperatures, reducing the need for air conditioning and heating.
- **Moisture and fire resistance:** The material naturally regulates humidity and is non-combustible.
- **Breathability:** It absorbs and releases interior toxins and odours, enhancing indoor air quality.
- **Acoustic benefits:** It has low sound transmission levels, contributing to a quieter environment.
- **Aesthetic flexibility:** The surface can be finished with breathable paint and plaster.
- **Construction efficiency:** Bettablok blocks are easy to install, requiring no scaffolding and

allowing for faster construction with reduced labour costs.

The impact of cement production on climate change cannot be overstated – responsible for 8% of man-made carbon emissions. The U.S. government has recently committed £6 billion to decarbonising the heavy industrial sector, focusing significantly on finding low-carbon cement alternatives.

Bettablok represents a practical and eco-friendly solution in this context. As it becomes available on the market, it is poised to transform large-scale building projects by offering a sustainable, efficient, and aesthetically pleasing alternative to traditional concrete.

**For more information, please see below:**  
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## Bespoke Door & Panel Manufacturing

# Quality and service count: Customised doors and panelling



Pandor is a leading manufacturer of customised doors and panelling across the UK to sectors such as commercial buildings, offices, hospitals and flats.

Established in 2014 by Mike Hill, the company has grown exponentially over the last nine years, priding itself on supplying exceptional customer service and high-spec products. Mike has expertise in the industry having worked in the fire door industry for over 40 years and along with his team is happy to provide customers with bespoke orders.

Pandor has production facilities in Sittingbourne, Kent and offices in London. We chatted with founder and director, Mike to find out more about the company, "We specialise in made-to-order client requirements for fire doors, decorative doors, frames and other associated items such as screens and windows."

"Our speciality though due to my background, is certified fire doors and door sets and we pride ourselves on a personal and prompt service with quick lead times on manufacturing."

"The COVID-19 pandemic set us back of course, as the construction industry ground to a standstill. We soon restarted though and have been ever busy, focusing on adding new services in the near future. Our unique selling point is our investment in modern machinery across the board, ensuring that we always produce the highest-quality products. These include a Holzher 5 Axis CNC Twin Bed Router, heavy-duty sanding machine, veneer flow line press and first-class lipping and edge banding."

Fire doors are integral to optimised passive fire protection systems across industrial, commercial and domestic buildings in the UK. Precision-designed primarily to mitigate against the spread of fire, smoke and toxic gases from one area to another, fire doors allow occupants, whether residents or workers extra time to evacuate accordingly. A secondary factor is that compliant fire doors give firefighters more time to arrive at the scene of the fire and control the fire, before it spreads further. Using a system of compartmentalisation, with fire doors lined throughout in corridors or stairwells, can create fire-resistant barriers in a high-rise block and importantly help slow down the spread of fire and smoke.

Fire doors are given FD ratings from 30, 60, 90 to 120, with FD30 being the most common choice. This

typically gives 30 minutes fire safety protection, in the event of a fire.

Following the tragedy at Grenfell Tower, North Kensington where sadly 72 residents died, the subsequent Fire Safety (England) Regulations in 2022 came into effect on 23rd January 2023. With all eyes on optimised fire safety, Pandor can manufacture customised fire doors, in accordance with FD30, 60, 90 or 120 certifications.

"Our fire doors can be laminated, painted or decoratively veneered and our acoustic doors can also be fire rated. The acoustic door ratings are certified based on how well the sound is contained in the door itself. The doors are tested to different decibel (dB) levels, dependant on the end location, with the higher the acoustic rating, namely the louder the sound it can contain. For example, the acoustic rating for doors in residential flats is 29dB, raising to 30dB in a typical school classroom."

"We supply fire-rated panelling if required, in stock and cut sizes, with a choice of veneer, laminate or paint finishes. Finally, our door frames are manufactured to customised order, with clear or paint finishes," added Mike.

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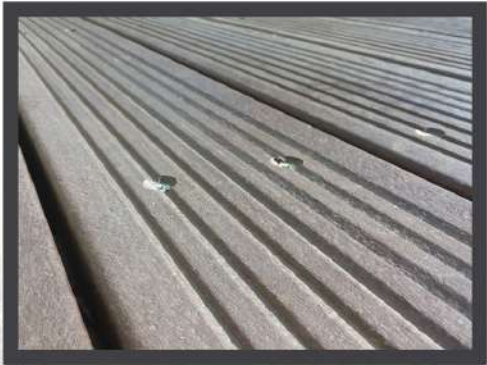
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