



INDUSTRIAL

ISSUE: 658 | SEPTEMBER 2022 | www.solutionspublishing.co.uk

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PROFESSIONAL
IN COURT**

10 PRINCIPLES FOR PRACTICE

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Including BUILDING UPDATE

Featuring a wide variety of companies from across the UK and Europe, from Builders to Landscaping.

Editors Comments

Hello & welcome to Issue 658 of Industrial Solutions UK!

The team at Industrial Solutions UK has been working extremely hard to bring you an issue that is full of innovative and exhilarating companies and we are very excited to share their success and achievements with you.

We have searched the length and breadth of the UK to bring you some of the most ground-breaking innovations and this month we are overjoyed to be highlighting the activities of Peyton Legal and Biopharma.

Firstly, we would like to focus on the accomplishments of Peyton Legal who this month features on our front cover!

Secondly, we are featuring Harlequin Floors with the 'Advanced Flooring' profile following their impressive performance over the years. For more information, turn to page 9.

I hope you enjoy reading this issue of Industrial Solutions as much as we have enjoyed bringing it to you. Happy reading and we hope to see you for the next edition!

Ian Hayward

Editor

INDUSTRIAL SOLUTIONS UK

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Legal

'The Health Professional in Court': 10 principles for practice

For this month's feature article, we interviewed someone who is acknowledged as one of the world's top surgical coaches and an international authority in medico legal issues.

Mr Rodney Peyton, OBE MD is a Trauma Surgeon who has the unique distinction of holding Fellowships in all four Royal Colleges of Surgeons in the UK and Ireland as well as being a Fellow of the Royal College of Physicians in London. He holds a master's degree in medical education from Cardiff University and graduated in law from the College of Law in London.

In his career spanning 40 years, he has been engaged in over 70,000 personal injury cases as well as being asked to advise on more than 3,000 cases involving medical malpractice.

He therefore has a wealth of experience in preparing cases for and giving expert testimony in Court and has been involved in the training of doctors and lawyers in dealing with medico legal cases, individually on a face-to-face basis, and also as a trainer and keynote speaker.

In this article, he will cover his 10 top strategies to help health professional's deal with the Court process.

He is also a well-known author and international keynote speaker. For his availability to speak at your corporate events, contact him at: rpeyton@rpeyton.com.

Increasingly, senior professionals from all branches of the healthcare industry are finding themselves involved in the Court system, either on an involuntary basis, as a witness to fact or defendant, or on a voluntary basis as an expert witness.

Gone is the paternalism of 'the professional knows best' and there has been more and more scrutiny by the public of professional actions and attitudes.

Leaving aside the criminal law, which is an entirely different situation, civil legal cases are predicated on the fact that within every profession, or branch of profession, there exists a range of opinions as to what constitutes good practice. Defendants and expert witnesses are expected to provide opinions, witnesses to fact are not.

It is important to understand that, while judges are highly trained and experienced in the interpretation of the law, they and the barristers or trial lawyers who argue cases are nevertheless lay people when it comes to the healthcare professions. They are not medical experts and therefore require help in understanding the medical evidence before them. For the health professional, whether as defendant or expert witness, the duty is to assist the Court in their decision-making whilst at the same time maintaining and promoting their own professional integrity and reputation.

Most healthcare professionals rarely appear in Court. From personal experience as a teacher and trainer to those who do become involved, there are recurrent themes, which arise and so the following 10 principles have been developed to help guide professionals through the Court process.

Record keeping

Keep detailed contemporaneous records.

Any major findings or decisions, whether it be from working with a patient, a client or undertaking a project, should be on record, as one never knows when such events may become the object of scrutiny. There is an



old saying, 'if it is not written down, it did not happen' and oral evidence is likely to be regarded as weak and suspect unless there is written evidence to back it up. A little extra time spent in ensuring accurate, contemporaneous recording may save considerable time, effort and indeed stress at a later stage when trying to convince a Court that decision making was sound. Remember, all written communications are discoverable and may be used in Court proceedings. Therefore, it is important not to make any gratuitous comments within the written record.

When acting as an expert witness, always look for original, contemporaneous documentation to back up later oral recall of events. Stick to the facts as presented and derive opinions from them.

Producing a report

Reports should be timely, factually based and the opinions well-reasoned, taking full account of appropriate legal tests.

When producing a report, clarify whether you are acting as a professional or as an expert and keep the distinction between the two. As a defendant, you will be required to explain your position. It is important you outline any reasonable range of opinion, which informed your decision-making and actions, stating why your own should be preferred, 'defence being the best form of attack.'

Being a witness to fact is a requirement rather than a choice. If you have been directly involved, provide evidence under clinical findings, observations and actions. Limit evidence to that which has been recorded and remember not to venture opinions or speculate on events.

An expert witness's function is to help the Court by virtue of their knowledge, training and experience within their professional field of expertise. Reports must not intentionally mislead and any omission of relevant information reveals prejudice, whether acting as a professional or an expert witness. All opinions proffered must be logical, based on recognised clinical evidence and guidelines to include the appropriate standard of care, being clear what was relevant at the time of the incident. Always anticipate counter arguments, addressing them within the body of the report wherever possible and be alert to the potential for your own professional bias. Expert witness reports must be and must be seen to be independent.

Do not revise your report unless you have been subsequently provided with new facts, which need to be taken into account, at which time you must explain why these have made a material difference to the previous conclusions.

Attendance at Court

Always present as professional and credible.

First impressions count. This includes dressing appropriately for the Court and ensuring you have all your papers with you, particularly when actually giving evidence.

Make sure you take time to prepare thoroughly, highlighting any relevant areas in your report and those of others for ease of reference. Make sure you have taken time to think out potential questions or possible arguments which may be raised and know your reasoning behind everything you are going to present.

Court procedure

Be aware of the Court procedure in whichever jurisdiction you attend, while you may be senior in your branch of the health care profession, unless you are highly experienced

in Court practice, you are relatively junior in relation to the Court process. This is particularly pertinent for witnesses to fact who may be unfamiliar with legal proceedings.

An expert is engaged because of expertise in a particular subject and must, not only keep up to date in their own field, but also be cognisant of the requirements of the Court process. They are there to represent their point of view and assist the legal process.

It is important they do not come across as overbearing, as they are, in fact, servant/leaders, tasked with educating the Court and therefore must understand what is required from the Court's point of view.

Constantly strive to improve your presentation skills, for example by giving talks on medico legal issues, so that you are used to standing up and delivering legal points in relation to medical cases.

Duty to the Court

Your professional duty as an expert or a witness to fact is always to the Court, no matter who engages you or why you have been called to attend.

This responsibility must be taken seriously. The role is to help litigants, their lawyers and the Court better understand the nature of medical evidence in individual cases so they can come to reasonable decisions. In this context, it is important they are helped to understand what acceptable practice was at the relevant time.

Health professionals do not have immunity when giving evidence. Not having this protection has unfortunately meant that some have been at the receiving end of severe public criticism, up to and including the award of costs against them and even a custodial sentence when the Judge considered that, by acts of omission or commission, the Court had been misled. This can have severe implications on personal, professional and financial standing.

Range of opinion

Always acknowledge there may be a range of reasonably held opinions.

In this context also consider possibility vs probability 'more likely than not.' If a matter comes to Court, there is going to be an opposing view from another professional expert who does not fully, if at all, agree with your opinion. Therefore, it is important to cover counter arguments in your considered opinion, which adds to the credibility of the report. The report must contain logical reasoning for accepting or rejecting other opinions and include any references, which are to be relied upon.

Guard against emotional statements and hyperbole and never denigrate others. Very rarely is 'in my experience' relevant in Court unless it is thoroughly backed up by objective evidence.

Credibility

Experts must stay within their field of expertise when giving opinions. They should have a bespoke CV for each case, indicating why they are a reliable expert for the matters at hand. It is in the nature of the Court process that opposing lawyers will try to diminish your credibility and it is wise to have answers for the three questions, which almost every barrister/trial lawyer will utilise at the beginning of an examination.

Contact

**T +44 (0)28 8772 4177
F +44 (0)28 8772 7134
info@rpeyton.com
www.rpeyton.com**



Your partner for material handling

Davison Forklift was established by John Davison back in the mid-sixties, and was sold to Malcolm Harrison in 2018. Based in Shifnal, Shropshire the company maintains a rich history and has grown significantly since its inception, seeing impressive growth year on year.

"We are a machinery hire company specialising in the hire of forklifts, tractors and telehandlers. We sell, repair and hire the aforementioned machines. We are also dealers for Clark, who invented the forklift in the early 20th century. We take pride in providing a very personal service, which is second to none," said Adrian. Throughout the years, Davison Forklift has explored new sectors and moved its focus into the hire and sales of new product ranges. By consistently



expanding upon its product range, has enabled Davison Forklift to be able to discover and move into new sectors and enter higher markets, developing a broader customer base. Davison Forklift has positioned itself firmly at the forefront of the material handling sector, offering a broad range of products, complemented by a highly skilled team of trained forklift engineers that carry out on-site repairs,

servicing and health checks. The company specialises in the hire and sales of forklift trucks and is the authorised UK dealers for Clark, Haulotte and Ausa.

In terms of recent developments, Davison Forklift has seen a recent relocation, moving to a new rural location in Yew Tree Lane in Shifnal, Shropshire. This move has helped the company explore new marks and helped to facilitate an investment into new equipment. As such, Davison Forklift has turned its attention to the hire and sale of tractors and telehandlers.

T 01902 420123 (Wolverhampton)
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sales@davison-forklift.co.uk
www.davison-forklift.co.uk

The Shed: Your Welcoming, Friendly Local Pub



Situated in the quiet surroundings of Lode, near Cambridge, The Shed is a vibrant country style pub and restaurant offering visitors and locals a chance to catch up with friends and family in a warm and welcoming atmosphere.

"The pub has a country style vibe but is also very modern. Three years ago the pub was renovated and has a lot of new modern features." Sarah Sturgess.

The renovation of the pub has really optimised its space and provides a contemporary, spacious and inviting atmosphere with features such as a bar area, pool room and a large separate room upstairs. "We have a very large upstairs space which caters for up to 70 people." Sarah explained, "The room is available for hire and we can cater for wedding receptions and similar events such as baby showers and birthdays."

With a selection of mouth-watering food and drink available, The Shed provides a delicious menu of food created by its talented chef and offers a wide range of drinks including wines, cask ales and draught beers. "We are a pub and restaurant," Sarah stated, "We provide locally brewed beer and good pub food."

Created by the Shed's very own talented chef, the menu has been designed to incorporate seasonal, local produce which is delivered every day and each meal is freshly prepared daily. Ensuring nothing but the best for its customers, all of The Shed's food is freshly prepared and made on-site.



In terms of its offers for visitors, The Shed maintains a variety of offers available for its customers to enjoy with friends and family. "On Tuesday we offer a 'Buy one get one free' burger night and on Wednesday we have a 'Buy one get one free' steak night." Sarah said.

Providing something for everyone within their warm, cosy pub; The Shed is a great place to visit for food, drinks and fun. "We have happy hours from Tuesday – Saturday." Sarah shared, "Within these hours our drink prices start from just £2.20 a pint!"

Another offer that you won't want to miss, The Shed hosts regular quiz nights which is a particular favourite among locals and families, available every other month.

With all of this on offer and so much more, whether you're looking to celebrate a special occasion, meet up with old friends for a natter or bring the family for a meal – The Shed is the perfect location for a whole host of occasions and is waiting eagerly to welcome you.

For any more information or to speak to the company directly, please see the details below:
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ECO PHYSICS nCLD "Facelift" boxed solutions
AL, AL², EL S, EL, EL²

Measurement of NO • NO₂ • NO_x

The one- and two-channel chemiluminescence based NO_x analyzers of the nCLD "Facelift" box-solution analyzers detect NO, NO₂ and NO_x at concentrations ranging from 5ppm to 5,000ppm with minimal detection limits averaging from 0.4ppb to 0.5ppm. They hereby focus on two main application areas, Ambient Air (AL, <50ppm) and Emission/Process (EL, <500ppm; EL S <5,000ppm) monitoring. The one-channel nCLD AL, EL and EL S feature an external pump, while the two-channel nCLD AL² and EL² include an internal pump. The nCLD "Facelift" boxed solutions consist of five, fixed and pre-configured analyzers. The nCLD AL (Ambient Level) and EL S/EL include a standard NO/NO_x measurement, with an optional NO₂ add-on, while AL² and EL² include, due to the two-channel set-up, a standard NO₂ detection. The slightly modified front panel has been equipped with an additional Power-button and a new internal PC. Additionally, are all nCLD-models capable of a remote power down/up including a failsafe feature.

- Compact analyzer with external or integrated pump
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Leading the way in deep hole drilling

At Industrial Solutions, we take pride in showcasing the very best services provided by companies that provide a wealth of benefits for their industry. As such, in this issue we are proud to announce that we have selected UNISIG as our Deep Hole Drilling Specialists of 2022 and the recipient of our Industry Specialist Award.

Originally founded to provide deep hole drilling machines, accessories and related services to the US market, UNISIG is one of the largest producers of deep hole drilling machines, and

applications, to accommodate any specific requirement.

Since its establishment, UNISIG has built up a trusted reputation amongst its broad range of customers. As the leading producer of gun drilling and deep hole drilling machines, customers of UNISIG rely on its deep hole drilling technologies for the powerful, intuitive capabilities they offer.

Serving industries such as aerospace, energy, firearms, hydraulic cylinders, medical, military and defense, molds, oil and gas, and automotive, UNISIG



an industry leader in technology, innovation, support, and service. From small job shops looking to expand their capabilities, to large OEM's that need to drill millions of holes, UNISIG has the capabilities and the strong understanding of the deep hole drilling process, drilling tools and their

has a strong presence all over the world with installations in the Americas, Europe and Asia.

By offering a complete deep hole drilling solution that includes machines, tools and automation, customers will receive the upmost, highest quality service from engineers that hold extensive experience and expertise on deep hole drilling machines. Throughout the years, UNISIG's impressive drilling capabilities have propelled the company to the forefront of the industry offering a service that goes completely unrivalled amongst competitors. Setting the standards of the industry high when it comes its technological



advancements, UNISIG doesn't just manufacture deep hole drilling machines, it can also develop machines for other deep hole processes such as BTA, gun drilling, counterboring/reaming, pull boring, trepanning, skiving and roller burnishing, bottle boring, bottom forming and many more.



Pushing the limits of BTA drilling, with on and off-centre capabilities that offer intuitive operation, UNISIG manufactures high power BTA drilling machines and trepanning that enable BTA drilling of 25mm to 500mm up to 20m deep.

The B-Series machines handle an impressive range of on-centre BTA drilling and are the ideal solution for a majority of BTA range diameter deep hole drilling applications. This series uses BTA and related tools to produce centreline holes on parts up to 20m deep and are supported with training from UNISIG throughout the process.

The larger swing B-Series machines have virtually limitless capabilities, giving manufacturers the most in power

and dimension requirements. As part of the deep hole drilling system, this range combines rigid deep hole drilling with durable components and powerful drives with smart controls, allowing manufacturers to get the most out of their deep hole drilling investment.

It is evident that UNISIG is at the top of its game, manufacturing some of the highest-quality machines in the deep hole drilling industry. With its team of dedicated experts all pulling together, the company is really showing how anything is possible when you work together to solve problems, not create them.

For more information, please see below:
T +49 7125 9687590
info@unisig.de
www.unisig.com



UNISIG.COM



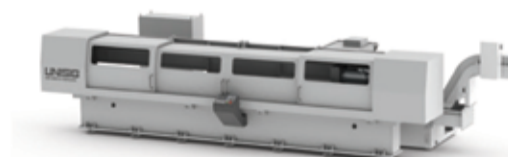
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UNISIG

DEEP HOLE DRILLING SYSTEMS

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excellent reviews which has led to worldwide sales." said Les.

The COVID-19 pandemic has caused disruption for many industries and affected every company differently. Seeing an increase in its services during this time, Les remarked on its affect on SDS stating, "We have

benefitted from lockdown as people working from home were inconvenienced with noise coming from surrounding industrial sites, so we have been very busy supplying noise control solutions. Also, with an increase in leisure time spent at home people have been listening to much more music and upgrading their system with Soundeck Hi-Fi enhancing products."

For any more information, please see the details below:

T +44 (0)191 259 0700
M +44 (0)7513 908060
sales@sounddampedsteel.com
www.sounddampedsteel.com
www.soundeck.bigcartel.com

Sound Damped Steel (SDS) is a multi-award-winning noise control company which was established by Les Thompson in 2003 with the main aim being to develop, manufacture and supply materials for industrial noise and vibration control applications.

"The company make steel which absorbs vibration making it sound like rubber. It is supplied to OEM manufacturers to make chutes, hoppers and machine guards quieter, we also supply kits to retro-fit on existing noisy machinery which is a much more cost effective way of dealing with noise issues for a lot of businesses." added Les Thompson, Managing Director.

SDS draws upon over 30 years of experience in developing new and practical applications across an extensive range of projects to help both end users and leading noise and vibration control consultants in solving their problems.

A speciality is pipelines. Gas, oil and other pipelines with their associated equipment such as valves are renowned for generating high levels of noise that require a solution.



The current noise control measure is acoustic cladding. However, this contains a multitude of drawbacks such as the need to be removed frequently for inspection and additional associated problems such as condensation and corrosion. To tackle this SDS in conjunction with the INVC developed the Quiet Pipe Technology system which negates all the problems associated with current technology. Quiet Pipe works by interlocking acoustic close shields that effectively convert the pipe itself into a silencer element to diminish noise.

Another service created by Les is soundeck.co.uk. "As a Hi-Fi enthusiast, I made some damping feet and a turntable mat for my sound system. They worked so well that Soundeck.co.uk was launched to make the products available to the public. We get

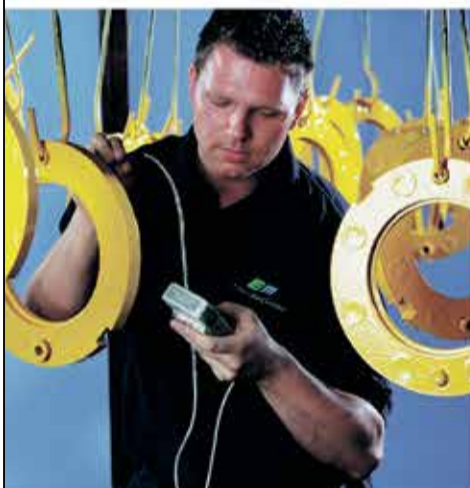


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Protect your brand with Cupio Services

In 2004, Cupio was established with the intention of bringing test and production systems, sourced in the USA and Far East to the UK market. By drawing on over 40 years of experience in the test and inspection area, Cupio was able to attract some of the world's best inspection systems to its marketing strategy and Cupio began selling production inspection systems into the rest of the EMEA area through a chain of local representatives.

Specialising in the inspection and quality control aspects of electronics manufacturing Cupio took on the representation of more tools with X-Ray and acoustic inspection capabilities. These were mostly for representation in the UK, particularly as Brexit restricted the ability to support customers in the EU.

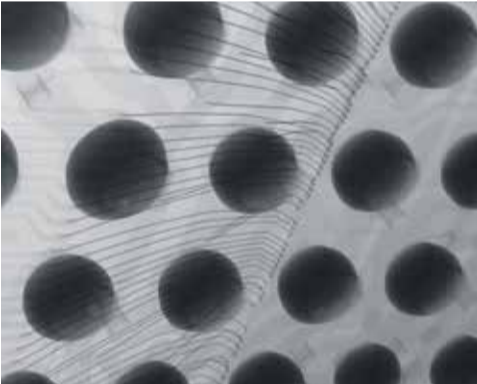
Cupio's inspection, measurement and test solutions have been specifically designed to meet one single objective; to give electronics manufacturers fast access to significantly improved productivity, quality and profitability.

Originally based in Alton, Hampshire, Cupio has seen significant growth and moved to a larger premises located in Chineham Business Park, Basingstoke in 2019. Its purpose-built demonstration facility is much bigger and is the base for its highly knowledgeable and experienced workforce, who work with some of the world's best X-Ray, test and AOI systems. The facility is fitted with the necessary antistatic flooring and facilities and houses the company's CSAM system. This facility gives the company the capability to offer a full inspection and failure analysis service to customers who have

insufficient throughput to warrant system investment.

Cupio Services is a branch of Cupio and is the place for failure analysis and non-destructive inspection. Its innovative, specialist equipment is of the highest quality and is used to provide specialist equipment for failure analysis, counterfeit detection and other types of testing and analysis work. Its cutting-edge inspection and test equipment includes high resolution X-Ray with multiple CT imaging options, scanning acoustic microscopes for delamination detection within boards or complex devices, high magnification automated optical inspection and testers for counterfeit part detection.

Its capabilities can find the smallest defects within an assembly and image them with sub-micron resolution. Full failure analysis reports can be provided to help understand where and how issues are occurring or to simply assure the customers their equipment will stand the test of time. Its Non-Destructive Testing uses a multitude of advanced diagnostics on materials such as plastics, metals, ceramics, or electronics. Whether the need to diagnose production or in field failures, validate complex manufacturing procedures or perfect new product introductions, Cupio Services can help. Furthermore, demonstrations on its X-Ray, AOI and test systems are offered to all customers who are



interested in how the systems operate or wish to acquire one of their own.

Through initiating a new style of approach, and various marketing activities, Cupio has been able to target new markets, while introducing three extra personnel to its team. Recently, the company has been actively promoting its services into the wider inspection market place where high resolution X-Ray and CSAM imagery is needed for both production and quality control. "We have modified our marketing slightly to account for the lack of shows and have done more print and online advertising. This seems to be a successful strategy and we will be reviewing that as the exhibitions return during next year," stated Andrew.

As the company looks ahead, in the future Cupio will continue to monitor market trends and developments within its industry as it plans to bring more inspection equipment into its lab enabling them to offer additional services.

If you would like to find out any further information, please see the details below:
T 01256 262800
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Together we can create forests for the future

Established in 2014 by Nick Hollingworth and Liz Boivin, Tomorrow's Forests are specialists in high volume commercial reforestation, supporting industry, resource management, government, private landowners, and public institutions.



After winning its first contract in 2014 to plant 90,000 trees, Tomorrow's Forests has grown significantly and now plants around 2 million trees each year across its numerous contracts.

In September 2020, a sister company was established called Creating Tomorrow's Forests, with the mission to fight climate change by creating forests across the UK, providing new habitats for wildlife, and removing CO₂ from the air. Creating Tomorrow's Forests was launched to make it easy for individuals and businesses to make a positive impact on the planet and replace the UK's lost forests, using Tomorrow's Forests' large-scale forestry experience. Instead of just planting trees for carbon sequestration, Creating Tomorrow's Forests is passionate about developing diverse woodland habitats for the long-term. The project uses the Tomorrow's Forests planting expertise with scientific research to make sure the right species of trees are planted in the right areas, and additional habitat such as ponds and meadows are created alongside to maximise the biodiversity at each site.

If you would like to find out more information on either Tomorrow's Forests or Creating Tomorrow's Forests, head to the websites or get in touch directly using the contact details below.

T 01258 818003 Head Office
M 07824 673239 Nick Hollingworth
(Managing Director)
M 07760 263548 Elisabeth Boivin
(Managing Director)
office@tomorrowsforests.com
www.tomorrowsforests.co.uk
www.creatingtomorrowsforests.co.uk

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Industry

Is limited floor space hindering your warehouse?



BITO Storage Systems is a market leading provider of storage and picking solutions on both a national and international platform with subsidiaries based throughout Europe as well as Dubai, the USA and South Africa. Marked as a global player with a local presence here in the UK, BITO Storage Systems stands for innovative storage technology and is one of the few single service providers in its field that supplies shelving, containers, picking and handling systems for all industries.

In 1999, BITO Storage Systems Ltd became the UK subsidiary of BITO. The main role of BITO Storage Systems Ltd is to solidify and imprint the BITO name here in the UK through its experienced and well-established team who provide such services as design and project management alongside a supportive after sales service. "As part of our service we have regionally based Design Solutions Managers and Key Account Managers that enable customer site visits to be made easily and quickly to understand every customer's requirement and ensure the most appropriate solution is proposed," said Duncan Grime, Marketing Manager at Bito Storage Systems Ltd.

Based in Nuneaton, Warwickshire, the company has a professional facility that provides the functions of project management, inbound sales, marketing and finance, as well as a warehouse that holds stock of the most popular products, replenished each week from the factories in Germany.

BITO Storage Systems Ltd are able to design and project manage large installations as well as enabling customers to order products from its online transactional web shop. Just some of BITO's top sellers include stacking containers with open pick fronts, mobile shelving trolleys, boltless shelving complete with pick bins and compartment shelving. "The variety of products manufactured by BITO means that most customer requirements can be satisfied. Static shelving, widespan racking and pallet racking are all manufactured by BITO. Carton flow and pallet live storage are also important product lines that enable customers to improve the efficiency of their storage and picking operations. BITO's factory dedicated to manufacturing plastic bins and containers produces a wide range of products from small parts shelf bins through to stacking euro containers and distribution bins to half euro pallet storage boxes," stated Duncan.

The company has vast experience in manufacturing both steel and plastic which means its products are best suited to serve a wide range of industry sectors including pharmaceutical, automotive, retail and e-commerce. Furthermore, due to the increasing demand and cost for warehouse space for UK businesses, BITO's multi-tier shelving solution is proving popular as well as other products that combine shelving and bins to maximise capacity and minimise wasted space.

For more information, please see below:
T 02476 388852
info.uk@bito.com
www.bito.com
www.shop.bito.com



Way above the rest

Direct Hoist takes you up in the world with top-class construction hoists for any commercial project. With a specialist team of hoist experts and time-served tradesmen, Direct Hoist offers cost-effective construction solutions and no-nonsense advice. Direct Hoist keeps your costs down and productivity high.

Direct Hoist's vast expertise is equalled only by the firm's impeccable reputation for safety. Direct Hoist's long association with up-to-date German GEDA machinery has now been boosted by becoming the UK distributor of Electroelsa construction hoists and platforms – an Italian brand with market-leading features for worker protection.

Electroelsa's impressive range of mast-climbing work

platforms (MCWPs), transport platforms, material hoists and construction hoists adds to Direct Hoist's ever-expanding fleet of modern machines, which includes scaffold hoists, mast-climbers, gantry hoists and tile hoists. From 150kg hoists to 3,700kg transport platforms, Direct Hoist's fastidiously-maintained fleet is available for sale or hire throughout the UK.

Installation and dismantling is taken care of by a highly-qualified team – all SSSTS-certified, holding NVQ Level 2 Blue or Level 3 Gold CSCS cards.

For more information about Direct Hoists, please visit: www.directhoist.co.uk, call: 01724 781647 or email: info@directhoist.co.uk.



**RMIG** Solutions

we make ideas come to life



Industrial Processing

Industrial Processing includes a vast range of potential applications for perforated products. RMIG has extensive experience in the chemical, pharmaceutical, paper, and offshore industries, to name a few. From small, high precision perforation in thin materials to large holes in thick sheets used in the mining industry, RMIG has the knowledge, versatility, and tooling to deliver products according to customers' requirements.

One particular area of Industrial Processing is dealing with waste water. The water industry presents a number of unique challenges in the use of perforated products.

A key consideration here is the aggressive nature of the water towards the materials being used. RMIG has vast experience in servicing the waste water industry, and produces high flow, burr-free perforated waste water screens, offering accurate screen tolerances and effective separation.

Another area of Industrial Processing is medical and pharmaceutical, where RMIG's perforated materials are able to give firm tolerances during their manufacture, and are well suited for use in sterile environments.

RMIG's perforated products also have numerous uses in the petrochemical sector, from industry specific applications such as filtration, to oil and gas exploration, as well as more general applications such as walkways in processing plants.

Additionally, RMIG works with biomass drying applications. The demand for alternative sources of sustainable and renewable energy is always growing.

RMIG's Bridge Slot sheets are the most effective way of drying woodchip to an optimum moisture content, ensuring boilers operate efficiently to benefit farming and agriculture.

Bridge Slot

The RMIG Bridge Slot sheets play an essential role when it comes to the design and manufacture of biomass drying floors. The combination of sheet thickness and opening size allows RMIG's sheets to be used either as a suspended floor in wood chip drying containers and trailers, or as drive-on drying floors in outdoor buildings.

The bridge slot opening size determines the products that can be dried, which range from fine oilseed rape through to larger grains and cereals, as well as logs and wood chip drying.

Food Processing

RMIG's Food Processing market sector meets the high levels of hygiene demanded by the food processing industry. Perforated screens are also strong with important thermal capabilities, making them useful for a wide range of food processing applications. RMIG's tailor made perforated solutions are ideal for cleaning, heating and steaming in food production environments. Whether it's baking trays, cereal cleaning or ingredient conveyors, all of RMIG's perforated materials can be customised for each application.

For more information, please visit: www.rmig.com

Telephone: 01925 839610 | email: info.uk@rmig.com

The performance floor of choice for education

Harlequin is the world's leading authority on the design, manufacture, supply and installation of performance floors, mirrors and ballet barres for the performing arts.

The Harlequin product range has been carefully researched and designed in collaboration with dancers, sports scientists and experts in. Safe performance is at the heart of everything we do.

As a global brand with over 45 years' experience in the performing arts, Harlequin



is trusted by the world's leading dance companies, dance professionals, architects and building contractors. Harlequin provides a turnkey solution for all education dance studio requirements with offices in Europe, the Americas and Asia. All products are referenced on RIBA NBS Source.



Professional flooring for performing arts & dance education



Dance

The world performs on Harlequin floors

Harlequin is the global leader in the manufacture, supply and installation of sprung and vinyl floors for dance and the performing arts and dance studio equipment. Established as the industry choice for architects, building contractors and the world's most prestigious dance and performing arts companies and schools.

For information about specifying the correct floor for dance and performing arts download our RIBA approved CPD online at www.harlequinfloors.com or via the RIBA CPD page.

Contact our technical team for more information:

+44 (0) 1892 514 888 education@harlequinfloors.com

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HARLEQUIN

Harlequin Activity is Harlequin's leading sprung floor for dance in education. A 'fully-floating' sprung floor system without fixings to the sub-floor, it features Harlequin's proprietary 'triple sandwich' construction method.

Harlequin Activity provides shock-dampening to avoid a 'trampoline' effect plus area elasticity to ensure identical characteristics across the whole floor, offering better protection from injuries for both teachers and performers.

■ **'Industry standard'** choice for permanent installation by Harlequin Contracts Division



■ **Minimum floor thickness:** 46mm before inclusion of chosen vinyl finish, 38mm before inclusion of chosen wood finish.

The educators choice of vinyl performance top surface with Harlequin Activity is Harlequin Cascade with BioCote. Harlequin Cascade is the ultimate heavy-duty vinyl dance floor, with mineral fibre reinforcement for stability and durability. Harlequin have now produced a new, improved Cascade with BioCote® antimicrobial protection. It is the Harlequin Cascade that you know and love but with an added ingredient with proven antibacterial properties that helps keep the floor hygienically clean, so reducing the risk of cross contamination by working constantly to reduce the presence of microbes on the surface of the flooring.

For further information:

T 01892 514888

dancing@harlequinfloors.com

www.harlequinfloors.com



Flooring Systems

Abacus Flooring Solutions



Working in the Resin Flooring Industry since the early nineties has allowed myself to view the possibilities and see the many changes.

I have spent time with major manufactures and contractors, which is where I have gained invaluable experience. I have been the Industry Ambassador for Sustainability and Recycling since 2005, a role I enjoy as I have always believed we all have a role to play in looking after the world we live in.

I started Abacus Flooring Solutions to allow myself the flexibility in decisions, beliefs, and my future. I suppose whilst Abacus Flooring Solutions is a new business, I have simply continued as I have for the last 34 years. Although now I can support many charities each month, giving back thousands per annum to local cases.

It has also allowed me to focus on Recycling, Sustainability and Life Cycle Costs. I really do enjoy planning a specification, which can provide Life Cycle costs for a customer. Whilst making flooring systems, I could see we were using a lot of mined aggregates, possibly around 75-100 tonnes per annum.

This is where I could see we could change the way we worked and implement the most environmental change that the industry has seen.

Abacus Flooring Solutions can be contacted either via phone on: 01530 432790/ 07904 396962 or via email: admin@abacusflooringsolutions.co.uk/ nick@abacusflooringsolutions.co.uk Our informative website is: www.abacusflooringsolutions.co.uk



Tel: 01530 432790

nick@abacusflooringsolutions.co.uk

abacusflooringsolutions.co.uk

RESIN FLOORING SPECIALIST FOR YOUR BUSINESS

Offering bespoke flooring solutions for your business

We offer a full range of flooring solutions, including Epoxy, Polyurethane, MMA and Polyaspartic. Each of these flooring solutions come in all types, thicknesses, colours and properties, and we work closely alongside innovative designers in order to tailor our services to suit your exact requirements and budget. Your needs are kept at the forefront throughout, in order to ensure your project is delivered to your full satisfaction. Being approved by most resin flooring manufacturers ensure you receive a whole of market choice.



Automation

OnRobot

OnRobot Palletizer

Powerful, modular palletizing system that delivers flexible palletizing automation to companies

Vikram.kumar@onrobot.com

The advertisement features a large image of an OnRobot robotic arm in a warehouse setting, with two circular inset images showing the arm in different configurations. The text is overlaid on the left side of the image.

The South West's Number One Timber Building Company – MAC Cabins

MAC Cabins Limited is a fast-growing Timber Building company based in Okehampton, Devon, with over 30 years' experience in the construction industry. Proud to be the providers of one of the largest selections of; Timber Buildings, Log Cabins, Leisure/Holiday Cabins & Glamping Pods, in the heart of the South West of England.

To complement the extensive ranges of timber buildings, MAC Cabins also offers a vast variety of other Timber Frame & Modular Frame options, providing one of the widest selections of timber

building options, within the market-sector.

For all timber frame styles, MAC Cabins works with self-build and custom-build projects, where the initial design has already been completed with architects. We help to guide small to medium-sized developers, on sites of 1-30 plots, to identify the best way to convert vision into reality.

MAC Cabins continues to expand its vast portfolio of designs and build options, allowing you to select the perfect combination of style, size and



price, confident you will find the perfect selection to meet your growing demands.

With every building, you will receive a structure that has a higher standard specification than most other comparable products.

T 0800 999 1564
help@maccabins.co.uk
www.maccabins.co.uk
<https://www.facebook.com/maccabinsuk>

MAC Cabins Classic Post & Beam
 Garages & Car Ports, available in Oak or Douglas Fir, with or without accommodation above

For Timber Frame Options, MAC Cabins work with Self Builders and Developer/Builders with their custom design projects, to identify the best way to convert vision into reality.

MAC Cabins Pullman Glamping Pod
 Available now for immediate delivery. An example of our Glamping Pods & Timber Buildings available for the holiday and leisure industry.

Annexe Buildings
 Garden Rooms
 Garages & Car Ports
 Home Offices
 Glamping Pods
 Post & Beam Buildings
 Log Cabins
 Timber Lodges
 Timber Frame

Finance available with Approved Finance, on all our buildings and timber products. Finance subject to status.

UNIT 4, CRANMERE ROAD, EXETER ROAD INDUSTRIAL ESTATE, OKEHAMPTON, EX20 1UE **0800 999 1564** www.maccabins.co.uk

LE TONKINOIS

NATURAL OIL VARNISH

Le Tonkinois is a traditional natural oil based varnish. It is perfect for outdoor, indoor or marine use. With Le Tonkinois varnish the options really are endless.

Combining unrivalled long lasting protection on materials including wood, metal, cork, stone, teak, mdf and grp Le Tonkinois varnish leaves absolutely no brush marks and will restore the beauty and colour of the wood. Flexible enough to move with the timber and able to withstand abrasion and impact, Le Tonkinois varnish is resistant to boiling water, UV, petrol, diesel and sea water. It won't crack, chip or peel off, making it perfect for all outdoor purposes as well as indoor.

www.letonkinoisvarnish.co.uk
01628 548840

Unbeatable Varnish for a range of uses



Le Tonkinois Varnish is a specially designed varnish that was first formulated back in China almost three centuries ago. The natural oil based yacht varnish comes with a range of excellent benefits, including being permanent, removing brush marks, not cracking or flaking off.

On top of that, the varnish boasts exceptional corrosion protection for metals and has a durable coat too, meaning it can withstand impact without peeling or cracking.

The highly raved about varnish can be seen on yachts and boats, whether in fresh water, sea water, or sludge up and down the country. Not only that, but you can also use Le Tonkinois Varnish in kitchens, outdoor and interior woodwork.

As a result of being fully waterproof and non-microporous, the varnish is resistant to boiling water, alcohol and has even been classified as safe to use in food areas.

Le Tonkinois Varnish can also be used to stain wood, and pigments can be mixed in with the varnish if a particular colour is desired, whilst still allowing the wood to breathe, a feature not typically found among other varnishes.

The varnish is also naturally glossy and can be made matt or satin with an additional coating of Gelomat.

If you would like to find out how you can get your hands on some of the remarkable Le Tonkinois Varnish, or would like to find out how you can use it for your own needs, then be sure to get in contact using the number below.

Alternatively, more information can be found by checking out the website.

Contact
T 01628 629892
www.letonkinoisvarnish.co.uk

Finance

Commercial Finance Solutions

Paul Michel FINANCE
www.pmicelfinance.com

Strapped for cash when you want to grow?
We offer Creative Finance Solutions for Growing SMEs in the Midlands

Whether just starting out or well established, businesses use finance for any number of reasons. Cash-flow along the supply chain is a frequent concern. Suppliers, tax liabilities and wages can't wait. Assets and property require funding. An extensive range of financing solutions is available, with access to lenders across the whole of the market.

Services Offered:
 • Asset Finance • Business Loans • Bridging Loans & Development Finance
 • Buy to Let Mortgages • Commercial Mortgages • Invoice Finance
 • Supply Chain & Trade Finance

Contact Paul Michel
T: 07863 753 111
E: info@pmicelfinance.com

Cashflow Solutions from Paul Michel Finance

Many companies at some stage find themselves in need of cash – for meeting monthly expenses, payroll, tax liabilities, or new opportunities. It can be a frustrating position, to be awaiting satisfaction of invoices for work already completed as bills pile up or opportunities slip away. Although Government-backed schemes have helped a vast number of companies weather the challenges of the past year, many others have been unable to access funding. Paul Michel Finance is a partner of Fife Capital England, providing short-term financing solutions to limited companies in need of cashflow.

The company offers three main funding strategies:

- 1. Elective Invoice Discounting:** Paul Michel Finance purchases invoices for work already completed, advancing up to 85% of the invoice value to its clients. When the invoice is satisfied after 30, 60 or 90 days, the company deducts costs and passes on the residual to its clients.
- 2. Short-term Business Loans:** Paul Michel Finance provides secured loans to businesses from 3-12 months, or negotiable thereafter.
- 3. Trade Finance:** Paul Michel Finance purchases supplies for its clients, secured against verified purchase orders and the resultant invoices.



Solutions can be tailored to clients' needs, incorporating some or all of these strategies. Clients are grateful for this flexibility. They are not tied in to long-term contracts, only using the company's services when they wish to. Nor is there the need to provide Paul with the whole book of invoices. Moreover, decisions can be made more quickly than many institutions, and this means access to funds much sooner. There is no typical client for Paul.

Some have enjoyed healthy finances, but require flexibility and speed for occasional purchases. Others have struggled to secure finance from more traditional lenders. A number of his clients have sought to grow their business, and others just to refinance. Short-term finance offers flexibility, discretion and speed for companies in need of funds. As businesses begin the journey of economic recovery after the past year, they might do well to consider short-term funding secured against work already done.

Contact
M 07863 753111
www.pmicelfinance.com

QUALITY HINGES FOR OVER 200 YEARS

Gold & Wassall have been manufacturing hinges for over two centuries, so it's safe to say we know what we're doing. Our team of experts can design and manufacture almost any hinge, for any application. We have made upwards of 250,000 unique hinge designs, with more designs being drawn up each day.

SEE MORE AT GOLDWASSALLHINGES.CO.UK/BESPOKE



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BUILDING UPDATE

ISSUE: 658 September | www.solutionspublishing.co.uk

Redefining best practice in the external wall insulation sector

Approved and recommended by leading manufacturers, Swifix Ltd offer the most cost-effective solutions to enable the fitting of external furniture through external wall insulation and rain screen cladding, with the added benefit of being specifically designed for the job. Its solutions are held in high regard for the future of retrofitting and the Modular housing sectors as well as being the ideal solution for a longer-term maintenance provision.

Previous best practice called for timber pattresses to be installed prior to the insulation being installed, however due to introduction of PAS2035 to enable improvement in the quality of installation, timber is no longer accepted in the sector.

Swifix Ltd has engineered and designed the innovative range of products to eliminate the use of timber when installing external wall and rain screen insulation systems, and an environmentally friendly solution as manufactured from partially recycled materials and a fully recyclable product.

The company's proven multifaceted solutions are designed to help customers working across a number of industries.



These include System Manufacturers, Main Contractors and Installers, Local Authorities and Registered Social Landlords, Architects, Homeowners and Private customers, as well as those involved in the Modern Methods of Construction (MMC) sector.

No matter the problem, Swifix Ltd maintains a strong and dependable ethos to deliver a service that is consistently high-quality and reliable. And, will always strive to keep its message clear of having the most innovative and cost-effective products currently available on the market, to produce products that are highly robust and technically better than that of any competition, and to accelerate its efforts towards keeping the maintenance of all products risk free and easy to install.

Its extensive portfolio of products includes a solution for



securing, rainwater goods, satellite fitting plates, tap fittings, connection point fittings, canopies. Lights, alarms, fences providing a solution for both lightweight and heavier items, and all its products are recommended and also available from many leading system designers across the UK and Ireland ensuring that your investment is protected.

For more information, please see below:
T 01884 560477
info@swifix.co.uk
www.swifix.co.uk



INNOVATIVE PRODUCTS TO ENABLE FIXING THROUGH EXTERNAL WALL INSULATION

Our products are one of the most cost-effective solutions to enable the fitting of external furniture through external wall insulation and rain screen cladding, with the added benefit of being designed specifically for the job. Fully Pas2035 complaint for the future of retrofitting and the Modular housing sectors and the ideal solution for a longer term maintenance provision.

All fittings meet stringent technical requirements by preventing the compression of insulation and providing a watertight seal. They are also approved by many leading manufacturers and organisations developing modern methods of construction to support the requirement for new homes in the UK.

To find out more, please visit www.swifix.co.uk, call **01884 560477** or email info@swifix.co.uk



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see them on.....II

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LS Products
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Tuffwater Proofing
see them on.....XVI

Sewage Treatment

H.D. Services Ltd: Sewage Treatment and Water Boreholes

Founded in 1984 H.D. Services Ltd. aim to provide the highest quality percussion drilled boreholes, sewage treatment systems and Open-loop ground source heat pump installations in the Southeast. Feasibility of any project can generally be confirmed upon receipt of a site postcode.

We offer a one stop shop for self-builders, developers, contractors, consultants and architects, providing waste and drainage solutions, independent water supplies and renewable heating options – all specifically tailored to

meet individual needs and suited to the geology of the Southeast.

Sewage Treatment, Boreholes and Soakaways

We have been involved in the design, supply and installation of sewage treatment systems for over 30 years. We can either provide package solutions or we can design bespoke systems to meet individual client needs.

Projects undertaken throughout the southeast range from

small solutions for single households to larger scale solutions for estates, business parks, farms, schools, caravan sites, hotels and public houses.

We offer a support service for consent to discharge applications to the Environment Agency – a requirement when installing sewage treatment systems.



GSHP installations. These systems utilise ground water as a heat source. Groundwater is pumped from a water supply borehole directly to the heat pump where temperature is extracted. The water is then returned to the aquifer, normally via a buried harvesting tank where it can start to regain this temperature. As ground water is utilised, there is the option of a potable water supply (subject to analysis and suitable filtration) or irrigation.

Ground Source Heat Pumps
We are award winning installers of Open-Loop

For more information, please visit:
www.hdservicesltd.co.uk

Horticultural One-Stop Shop

Plants and Sundries to the Trade



Based in Lower Withington, Near Macclesfield only five miles from junction 18 M6, Four Oaks Cash & Carry is now the largest Horticultural 'one stop shop' in the UK! Since day one, we have attained our impeccable range and service to our customers propelling us far in front of our competitors. The Manager, Marlon Kent, who has over 30 years of plant and tree knowledge, handpicks our stock.



Plants & Sundries for the Trade

Hedging - Topiary
Buxus - Laurus Nobilis
Shrubs & Trees

Huge range of shrubs from 3 Litre - 15 Litre
Alpines & Perennials. Seiont Nurseries
Young Plants. Pack bedding & Vegetables.

Added Value Lines - April onwards:-
Superb range of Hanging Baskets,
Planted Patio Pots, 13cm potted Zonal Geraniums,
Fuchsias, Osteospermums, Marguerites & Standard
Fuchsias in 10 litre pots.

Sundries - Garden Stoneware
Yorkshire Flowerpots - Draper Tools

We now stock Garden Furniture
NEW Italian and Spanish Stock
Extensive Pot Range available

The largest horticultural "One Stop Shop" in the UK

FOUR OAKS CASH & CARRY
Longshoot Road, Lower Withington, Macclesfield, Cheshire SK11 9DX
Tel: 01477 571797 Fax: 01477 571314
marlon@fouroaks-nurseries.co.uk www.fouroaks-nurseries.com

Pre-COVID-19 restrictions Marlon would travel to Italy and Spain in the early months of the year, ensuring only the best quality of stock is acquired. This stock would include specimen trees, plants and sundries to the trade. Nowadays, as with most things, this is done via the internet, quality is not compromised as the stock is now 'visually picked.'

Four oaks is a specialist supplier of Mediterranean plants, our stock includes Olives and Palms in pots from 1 litre up to 1,000 litres and these are available all year round. We have an extensive product line of over 1,500 lines of trees and shrubs on display from starter plants to specimen sizes, as well as young bedding and basket plants for which we are historically known.

Catching site of the recent demand for outdoor seating, specifically from the leisure industry, Four Oaks made the recent decision to begin to stock high quality garden furniture, and this decision has been a resounding success through its sales. Furthermore, we have extended our range of pots, which include terracotta, glazed and authentic wooden half whiskey barrels, just a few of the exciting addition to our ever-growing product line.

T 01477 571797
www.fouroaks-nurseries.com



Construction Materials

Waterproofing you can rely on

Carlisle CM Europe (CCM Europe) manufacture high quality EPDM waterproofing membranes for flat roofing, façade systems and building solutions for the construction industry. CCM Europe is a dynamic company with ease of installation and durable roofing systems including EPDM & Liquid Waterproofing. As a leading manufacturer of waterproofing membranes and sealants, our market leading products are suited for a wide range of flat roof substrates for both new build and refurb.

One particular product worth noting is the ARBOFLEX® PU, a single component liquid made from pure polyurethane, which, once cured, forms a seamless elastic membrane without any joints. The material properties of ARBOFLEX® PU enable it to be air tight and waterproof on a range of substrates. Alongside its high performance and wear-resistant membrane, ARBOFLEX® PU can adapt to any surface: uneven, curved or irregular, and with its fast-curing properties can be walked on in 24 hours.

Comprised of one component that can be applied straight out of the tin, it allows for fast and easy installation, is green roof compatible and weather resistant, so it can be used all-year round. CCM Europe is not only dedicated to offering state of the art EPDM flat roofing seal solutions, but to also extend its expertise and knowledge to other professionals through its dedicated EPDM and PU Liquid system roofing training courses at the CARLISLE®



ACADEMY. Designed by professionals for professionals, with a view that knowledge is sustainable material. The more you share it, the more you get back. The training content is intended to enable attendees to learn of the proven advantages of EPDM waterproofing solutions relating to roofs, façades and building in an up-close and hands-on manner. For more information, visit: www.academy.ccm-europe.com

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CARLISLE
CM EUROPE

ModCon Cabin Trader Ltd

ModCon Cabin Trader was formed in 2017 by Alan Willets of whom has 25 years experience of working for some major manufacturers in the Modular & Portable Building Industry.

ModCon Cabins as it is also known manufactures and supplies Steel Anti Vandal Portable Cabins, Containers, Modular Buildings and all site ancillary items associated with the Portable Building Industry. Please visit: www.modconcabins.co.uk

Items such as Portable Offices, Canteens, Toilet units, Drying units, Storage Containers, Chemstores, Smoking Shelters, Effluent Tanks, Staircases are regular and repeat

produced items that we manufacture for our clients.

Based in Gloucestershire in the South West we are logistically nicely placed around all the major motorway networks for ease of transportation.

Our workforce are all very skilled and experienced fabricators of whom have many years experience working within our industry and so know the expectancy of our customers requirements so you can be sure that if you approach ModCon Cabins to undertake your work you are in very good hands!

Being that all items produced are mostly built on a jig and

to customers own specification we are open to undertaking bespoke enquiries too so please feel free to engage with us here at ModCon Cabins even if you have a rather random enquiry for certain products.

Why not also take a look at ModCon Cabin Traders other side of the business which is an Auction/Resale website that allows all and sundry to utilise the site to sell new & used Portable Building products which operates very similar to a well-known auction/resale site we are all familiar with, however only for products relating to our industry.

Please visit: www.modconcabintrader.com





ModConCabins
Manufacturer of Modular, Containers & Cabins

Steel AV Cabins • Smoking Shelters • Chemical Stores & Storage Units
Staircases & Steps • Effluent Tanks • Water Bowsers • Turnstiles



INTRODUCING



MODCONCABINTRADER
www.modconcabintrader.com

ModCon Cabin Trader, the Modular, Portable Building & Plant Industry related, Resale/Auction website!

alan@modconcabintrader.com +44) 0333 404 8822 07842 318869

Lighting Protection Risk Assessment

Stay safe with lightning protection

South West Lightning Protection provides a number of services throughout the UK including lightning protection, early streamer emission systems, upgrades of older systems, earthing services and design, safety line testing and inspection of horizontal safety line systems and PPE. Established in 2014, South West Lightning Protection was created by Gary Libby who has over 40 years' experience in the industry. Located in Plymouth, the company also has an office in Scotland.



In recent news, South West Lightning Protection has commenced testing of roof mounted horizontal cable based mansafe systems, permanent ladders, guard rails, and safety anchors. These services are provided individually from the company's lightning protection services, and to save the client money, can be combined. South West Lightning Protection work throughout the UK to assist its clients with their project requirements regardless of their location. Within its lightning protection service, South West Lightning Protection is able to offer a full installation and testing service, including BSEN62305 systems, BS6651 upgrades, NFC 17 102 early streamer emission systems and BS7430 earthing systems. Some recent projects have included chimney upgrade works in Cumbria, new air termination networks in London and a new roof tape system in Plymouth. South West Lightning Protection record all test conditions and results, and a reminder is sent out before the next test is due.

T 07807 334441
south@lightningconductor.org
north@lightningconductor.org
www.lightningconductor.org



South West Lightning Protection
www.lightningconductor.org

Airport Business Centre
Estover
Plymouth
PL67PP

Also located in Scotland,
& London



Formed in 2014, and having over 40 years of expertise in the lightning protection industry, South West Lightning Protection, provides a full range of services from our office locations in the UK. With our trained operatives we are able to provide a full range of services, from conception to completion, and with our SafeContractor accreditation you can be assured works will be carried out adhering to all relevant health and safety requirements.

Whatever your requirements - we are always pleased to help

- Lightning Protection risk assessments
- Installation & Design by accredited engineers
- Test & Inspection (BSEN62305, BS6651, NFC 17 102)
- Safety Line systems testing

Tel: 07807 33 44 41 Web: www.lightningconductor.org

Email : North@lightningconductor.org — South@lightningconductor.org



Together we can restore biodiversity and rewild our world

In September 2020, Creating Tomorrow's Forests was established by Nick Hollingworth and Liz Boivin, with the mission to fight climate change and restore biodiversity across the UK. Creating Tomorrow's Forests enables businesses and individuals to actively invest in the natural environment, by channelling their funding into high quality biodiversity restoration and afforestation projects. Sister company, Tomorrow's Forests, which was established in 2014, specialises in high volume commercial reforestation, and provides the planting expertise linked with scientific research, to make sure the right species of trees are planted in the right areas, and additional habitat such as ponds and meadows are created alongside to maximise the biodiversity at each site.

So as well as offering tree planting services for our customers, we have now launched a totally new biodiversity banking programme which empowers businesses and individuals to fund active ecosystem restoration. For the first time investors can channel their funding into specific high quality habitat creation projects including wetland, meadow, woodland, or marine seagrass ecosystem restoration."

In return for their investment, customers of Creating Tomorrow's Forests will then receive detailed updates on the progress of their project and can visit the site in person, engaging them with the whole restoration process from start to finish.

And it is certainly true what Liz says – during the lockdowns across the world due to COVID-19, nature reclaimed many areas and people had more time to take stock and really discover what state the world was in.

"Oceans were cleaner, animals were wandering the streets where they hadn't been before – it really put things into perspective for people. It's important we take care of what we have. Scientists have been saying for years that we need to protect our climate, but

it's easy to forget about this in day-to-day life. Putting a break on everything we were used to during the lockdown switched many people's focus to nature, with more of us taking walks in nature and in woodland.

For this reason and because of the push for carbon capture schemes and biodiversity restoration, Creating Tomorrow's Forests has been getting more and more interest from businesses and individuals.

We are looking forward to developing the company further throughout the year and are already working on a number of exciting projects. We currently plant 2 million trees each year with Tomorrow's Forests, and we want to reach the same point with our sister company, while also restoring biodiversity and creating new ecosystems throughout the UK."

As well as offering expertise in restoring habitats, Creating Tomorrow's Forests also offers professional biodiversity offsetting services for businesses and construction projects required to demonstrate a biodiversity net gain.

"We started acquiring land, offering businesses and individuals the chance to give back to nature and create biodiversity in places where it has been lost," explains Liz. "We are very excited about this project, and it is going well because businesses are prioritising sustainability and examining their environmental impact. We have already completed tree planting on a new wet woodland site in North Somerset and are currently working on new habitat creation projects in the North Devon Biosphere.

A lot of people are becoming more interested in biodiversity restoration and tree planting and the benefits it has, sequestering carbon and increasing biodiversity and habitats for animals. I think COVID-19 has brought things into perspective for a lot of people in this sense."

Indeed, although the pandemic halted many of Tomorrow's Forests' operations in line with the construction industry, it meant they had more time to focus on developing their new venture. "We wanted to work on expanding Creating Tomorrow's Forests, acquiring more sites and diversifying what we offer.



You can contact the team to discover more about their full range of flexible habitat creation services.

If you would like to find out more information on either Tomorrow's Forests or Creating Tomorrow's

Forests, head to the websites or get in touch directly using the contact details below.

T 01258 818003 Head Office
M 07824 673239 Nick Hollingworth
(Managing Director)
M 07760 263548 Elisabeth Boivin
(Managing Director)
hello@tomorrowsforests.com
www.tomorrowsforests.co.uk
www.creatingtomorrowsforests.co.uk





www.tomorrowsforests.co.uk

Tomorrow's Forests can assist with the supply and planting of high quality local trees as well as sundry products required for your woodland creation project.

Our professional and dedicated team will carry out all the necessary surveys of your property, produce detailed designs and, with our skilled planters, implement the new woodland creation to the highest standard to meet your exact requirements.

We will provide help and advice throughout the process and ensure that specific government funding requirements are met. Following the completion of your woodland creation project, we can offer ongoing maintenance, upkeep and professional advice.

There are many advantages to the planting of trees on less productive or unused land areas and farmers and landowners can now obtain a number of government grant and funding options to help with establishing new woodland areas.

Woodland creation projects can be undertaken on suitable land from 3 hectares up to larger areas of over 10 hectares and can provide substantial environmental and financial benefits.

Woodland Creation Benefits Include:

- Timber production
- Increasing land value
- Providing shelter for crops and livestock
- Providing new wildlife habitats
- Stabilising river banks
- Game cover
- Improving the amenity value

Contact 01258 818003 or email office@tomorrowsforests.com



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Contact

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8511 Aalbeke
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vandecasteele.be

genevieve@vandecasteele.be
+32 56 43 33 00
dave@vandecasteele.be
+44 15 94 83 43 32

Number one choice for recycled plastic building materials

Kedel is a family business founded on ethical and ecologically sound principles. Dedicated to making sustainable living attractive, Kedel believe that by incorporating sustainable recycled plastic products into personal and working environments, it can create a happier, healthier and infinitely more sustainable future for generations to come.

Established by three brothers, Kieran, Dermot and Lewis Walch, Kedel is based in Burnley and supplies nationwide. We spoke to Lewis, who explained more about the company. "We manufacture plastic wood made from waste polystyrene, and we are also suppliers of many other types of recycled plastic profiles from other manufacturers. We stock tongue and groove boards, plastic sheet materials, decking, cladding, ground reinforcement and drainage grids, fencing and gates. In addition, we make a wide range of outdoor furniture often combining different types of recycled plastic into one product. These products

include benches, tables, picnic tables, notice boards, to name just a few. We also offer design services and have a large flatbed CNC (computer numerical controlled) machine for cutting and shaping to the CAD design parameters supplied by our customers or created for them by our in-house design team."

As specialists in building supplies and outdoor furniture, one of the main benefits of the products and services provided by Kedel is the long-term investment advantages of recycled plastic. "It never rots, so if you build fencing or decking with it, you only do the job once in a lifetime. There's no cost of ownership, no maintenance - no costs for labour and materials, or for that matter, replacement costs.

Timber merchants are our main competitors, but wood is becoming increasingly expensive and difficult to source, due to the war in Eastern Europe, Brexit, and COVID-19 causing driver shortages leading to increased transportation costs.

And as everyone knows, the problem with wood is that it needs constant attention to avoid deterioration. Recycled plastic needs nothing more doing with it. Yes, the initial costs are higher, but over a 25-year period, a study by WRAP (Waste Resources Action Programme), in 2000 resulted in recycled plastic proving a more cost-effective material due to the product's extended longevity and zero maintenance properties," Lewis explained.

'Your Housing Association' in South Manchester installed plastic fence panels made from Kedel's recycled plastic about 10 years ago. They haven't had

to replace a single fence panel since!" said Lewis.

Kedel's plastic wood was named 'Best Recycled Product' at the National Recycling Awards in 2015 and is an ideal maintenance free replacement for wood and other traditional building materials. Suitable applications include cladding, gables brackets, pediments, fascia boards, rafter tails, finials, fencing and decking. Kedel has over 1,000 products in recycled plastics available on its website with a wide variety of profiles to choose from that could save you a lifetime of maintenance and replacement costs.

A notable product in Kedel's sustainable product range is fencing, that comes as fixed or portable panels, or you can buy the materials to make your own. You'll never need to replace a fence again. They are rot-proof and non-absorbent making them very hygienic and easy to clean. They don't chip, crack, or splinter, and are water and frost proof.

Ideal for education establishments and facilities management are Kedel's maintenance-free benches and picnic tables. They look like wood but perform like plastic, and the tables last at least five times longer than wood, making them a very attractive long-term investment. Key advantages include no splinters for little fingers, more hygienic and easier to clean with



standard household cleaning products, no painting or preservative applications, and they are very robust and vandal resistant.

"Recycled plastic products are carbon positive, because the waste plastic is reused rather than being thrown into landfill or used as EfW (energy from waste) i.e. burned like any other fossil fuel. They also reduce the use of traditional materials such as wood, leaving the trees in our precious forests where they belong, absorbing the CO₂ emitted by fossil fuels, and concrete whose production is highly polluting and makes the building industry a major contributor to global warming," said Lewis.

Since 2010, demand for Kedel's products have risen by about 30% each year. To accommodate such growth, Kedel has recently acquired additional computer controlled plastic extrusion lines to increase production of its plastic wood. We asked Lewis what Kedel's future plans are, "We plan on continuing to increase production and expand our buildings to house the additional machinery we need to meet this seemingly insatiable demand for recycled plastic products."

For more information, please see below:
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Door scheduling made easy, fast and error free



Established in 2002 by Derek Brown, RapidSpec is the first software developed for automatically creating door schedules, drawings, project estimates and bills of materials. Designed to eliminate errors in door set specification and the production of door schedules, RapidSpec is an industry leading software product proven to find any doorset's details from any customer and any project within 15 seconds.

"As software specialists for manufacturing processes, we have produced a software system for fire door manufacturing that not only improves productivity, ensures a faster turnaround and is proven to eliminate a greater number of errors, but also results in lower admin costs whilst producing a higher return on investment than other software systems on the market," stated Carol Cole, Business Consultant. With RapidSpec everything is instant. Long gone are the days of spreadsheets, RapidSpec offers instant quotations that include all of the auto generated



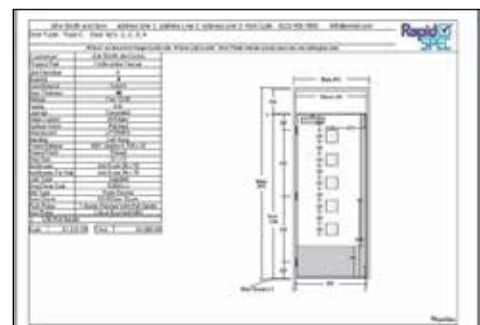
**Robin Bell, Sales Manager
at Rapid Spec**

doorset drawings required. Simple to navigate, the operator uses multiple choice, yes and no questions together with the required dimensions and RapidSpec does the rest. The process is time efficient, cost effective and simple to use.

Manual data entry falls victim to human input error, which is both time consuming and frustrating for the employer and the employee. It not only impairs performance and efficiency but can result in higher operating costs and fluctuating levels of performance and continuity. With this in mind, RapidSpec offers two services: Fire Door Scheduling and Door Manufacturing Software.

Door Manufacturing Software allows manufacturers to produce detailed door schedules much more efficiently than traditional spreadsheets, calculators and catalogues. RapidSpec uses the existing skills of your estimator who will be able to create professional quotations immediately with just one hour of training. The orderly input of data ensures that nothing is left out and everything is checked. From the data input RapidSpec then automatically creates a scaled, detailed, and dimensioned doorset drawing.

Ideal for manufacturers and fabricators of custom, standard interior and exterior doorsets, as well as architects, contractors and fire door manufacturers.



"We have now introduced a barcode functionality and we are constantly updating and improving the software to create greater efficiencies for our clients," said Carol.

It is vital fire doors are designed and manufactured to the right specifications to ensure they have the correct level of fire resistance. Fire Door Schedule is a door specifying and scheduling software from RapidSpec that allows door manufacturers and designers to quickly and simply create accurate fire door schedules from standard specification sheets. The simple process is designed so that the operator only needs to answer a few questions and input the dimensions of the door

for the software to then produce an accurate fire door schedule complete with diagrams, dimensions, project estimates and bill of materials.

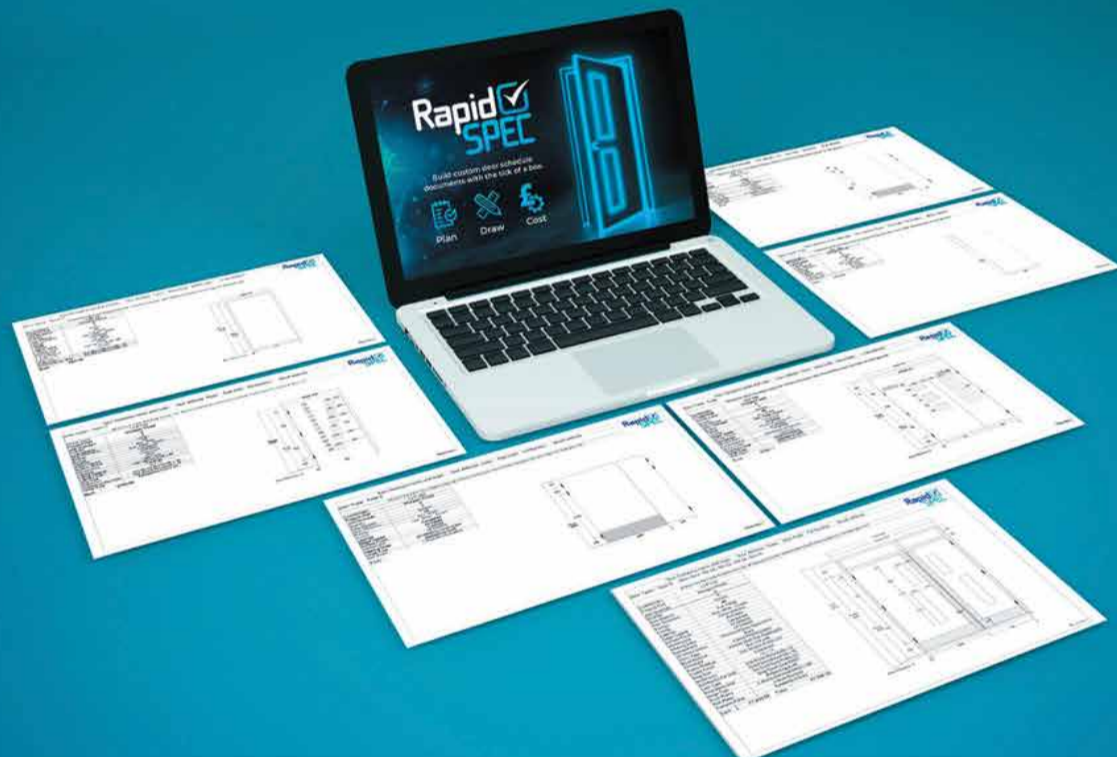
Over the years, RapidSpec been continuously developing its software to offer the best solutions to its customers. Despite the pandemic, the company has achieved further growth and has big plans for the future. Robin Bell, Sales Manager at Rapid Spec commented, "We are expanding internationally, with a focus on the Commonwealth in the first instance. We have also just recorded a video highlighting the enormous benefits of using RapidSpec on our customers' productivity. This

should be available on the website very soon."

Contact
T 03337 000017
robin@rapidspec.co.uk
www.rapidspec.co.uk



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Make your project possible

DCON 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 (PSDP) in various sectors across the Irish construction market.

No project is too simple or too complex for the company's PSDP 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.

Additionally, DCON Safety Consultants Limited offers planning compliance assurance services. The ability to strategically support a positive planning decision is exclusive to the company. Its Draft Construction Management Plans (DCMP) inform the overall planning, coordination and control of a project from the beginning of construction to completion. The DCMP also safeguards the obligation placed upon a client to produce a safe, functional and financially viable project.

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.



Finally, DCON Safety Consultants Limited can offer a safety expert witness service, which is headed by Diarmuid himself. He has extensively supported safety-related matters, and is a certified and competent safety professional who will work with clients to identify exactly what kind of safety expert is needed. Then, he will use an extensive network of contacts to recruit the right person to protect clients' interests.

DCON Safety Consultants Limited's fantastic

service offering and proven track record of offering leading health and safety consultancy services makes the company a worthy winner of our Commitment to Excellence award. Such achievements are proof that DCON Safety Consultants Limited is well-placed to help ensure your safety, health and wellbeing and make your project possible.

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
info@dconsafety.com
www.dconsafety.com

Quality, bespoke joinery since 1991

In this issue of Building Update, we have selected Bluerun Ltd as the recipient of our Industry Excellence Award for custom made joinery.

Joinery experts, Bluerun Ltd, was originally established by the current Managing Director, John Jones, and Peter Clayden back in 1991. Peter Clayden resigned a few years later and the company is now owned by John's family - his wife Doreen, son Jeremy, and daughter Dee Newman, and Dee took over the reins in December 2019, when John semi-retired.

Based in Wimbish, near Saffron Walden in Essex, Bluerun manufactures quality, bespoke joinery items, and everything is made to order, nothing is 'off the shelf.' Dee commented, "We manufacture items for the commercial market from door and window packers, to shopfronts, reception desks, mainframes, pub doors, and years ago we even made a trebuchet for Stansted Mountfitchet castle!"

In the 7,000 sq. ft. factory, Bluerun can produce work using both hard or softwoods, and veneered and painted panels. It has a modern spray paint and lacquer facility, enabling products to leave the factory in a fully finished state.

For domestic clients, Bluerun manufactures everything from windowboards to windows, thresholds to doors, shelving, wardrobes, bi-fold doors, French doors, staircases, indeed most things in a property that are made of timber. It has even made a child's Wendy house and a mansion for cats!



Bluerun will take on projects of almost any size, Dee continued, "The only size limit is whether a finished item can be removed through our workshop doors! Staircases for example, would be made in a kit format, for ease of delivery and installation. We use couriers for deliveries, and they have access to all sizes of vans and lorries." The only thing that is sometimes out of range are installations due to a small workforce, but Dee keeps a list of recommended installers for anything, which is manufactured.



In a crowded marketplace, Bluerun works very hard to be at the forefront of the industry. It is a supplier to Dovista for items such as packers and mainframes, and the company corporate branding is on its vans, emails, and social media presence, along with promotional items, and this has helped recognition and growth of the company in recent years.

Dee remarked, "We are still working old school, and everything is designed using pencil and paper with a dash of imagination. We don't use CAD or CNC, and most items are completed using hand tools for the finishing touches. A lot of love and care is included within our

work, and this has really helped our customer base to grow."

So whether you are looking for a one-off custom made gate, a staircase, or a production run of doors and windows for a new housing development, or a new interior for your pub, restaurant or office, Bluerun can deliver exactly what you are looking for.

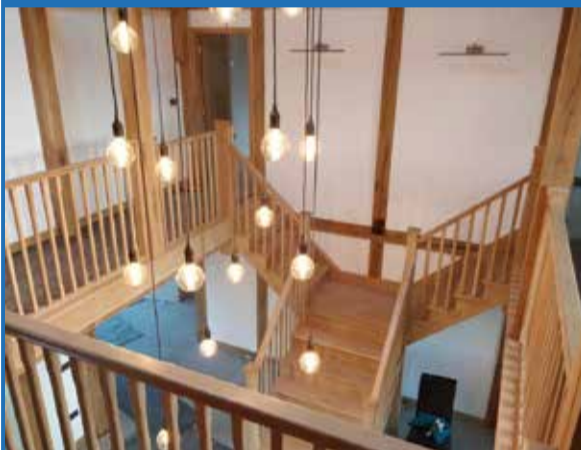
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Steel Construction Specialists

Clarke Construction Essex Limited (CCEL), based in Essex was founded in 2009 by owner David Marriott, and has since built up a wide portfolio of services and an excellent quality of service to all customers.

CCEL's wide range of products and services that are available to clients include bespoke design, creative roof design and complex structural & architectural structures.

CCEL site team are specialists in heavy and contract lifting, as well as rigging and the erection of steel structures. The company offers a full construction service as a one stop, and this adaptability has enabled it to add

further services to the selection of facilities in which it now specialises. These include steel sculptures, architectural metalworks, and glass systems.

In 2014 & again in 2021 CCEL were employed to handle high value specialist equipment into an existing building, this project required the company to design and install a high weight bearing temporary scaffold loading platform, as well as removing, then replacing external cladding before moving the equipment into the building. This project required logistic coordination and detailed lifting plans in advance, and CCEL successfully facilitated co-ordinated transport & handling of the equipment,

geometric scanning of existing structure to integrate new designed support steel and services.

In September 2012, CCEL undertook one of its most rewarding projects when the company was involved in a venture which gave for the first time electricity and water to a village in Kenya. The village of 3,000 people were without both, when two trucks from the UK arrived, and seven days later the lights came on. CCEL remember this event as, 'an enormously satisfying moment for the whole team.'

An unusual roof design brought a number of challenges for the main contractor, CCEL were contracted, The roof



CCEL
Clarke Construction Essex Limited

STEEL CONSTRUCTION SPECIALISTS

We pride ourselves on delivering an excellent quality of service to all our customers. Our diverse portfolio proves we achieve high-end results to any project we endeavour, our association with structural engineers – draftsmen & specialist factories enable us to provide such diverse services from designing and construction of steel structures through to design and production of bronze railings, stairs & balustrades. Our site teams are specialists in heavy & contract lifting, rigging & erection of structures. We can offer a full construction service as a one stop.

- Bespoke Designs
- Specialists in Diversity
- Architectural Metalworks
- Complex Architectural Structures
- Creative Works
- Integrated Steel & Timber
- Specialist Lifting
- Temporary Works



Please visit the website: www.ccel.org.uk
Tel: 01375 360605 • Email: office@ccel.org.uk



made up of different coloured tiles on a curved and shaped panel, CCEL designed, built and installed the sub structure for Brighton College in 2015. This task required a full geometric survey of the preceding roof, to which the CCEL detailed and built the sub structure to support the prefabricated tiled sub frame assemblies. As part of the package CCEL designed and manufactured the lifting and handling equipment that allowed this specialist installation to be undertaken for the final roof structure.

CCEL are a company that specialises in diversity, therefore in 2015 it was called upon to facilitate the specialist removal of an important art work 'Seizure' by the artist Roger Hiorns from a building in Elephant & Castle. The Art work had to be carefully removed from the inside of an dwelling building requiring strengthening the existing art work structure and then to move it onto a purpose on site constructed transport carriage before being lifted onto a lorry using a 220-tonne crane. It was then removed from its old home to its new home at the Yorkshire Sculpture Park.

Understandably CCEL take Health and Safety very seriously as the company undertakes high end projects with heavy machinery to the fore. CCEL has CHAS certification alongside the necessary accreditation to the requirements of the CDM regulations. This means that clients can engage with the company knowing that the Health and Safety of both customers and the workforce is paramount to the organisation.

For further information, please see below:
T 01375 360605
office@ccel.org.uk
www.ccel.org.uk

Steel Buildings

Steel buildings to suit all budgets

Founded by Dave O'Brien in August 2017, Castle Steel Buildings has evolved from a basic start-up, operating on what was essentially a franchise model, to a rapidly growing construction company with a permanent install team and a developing back-office operation. Previous to the company, Dave O'Brien had worked in the steel construction industry as an installer for over 20 years. After many years, Dave was keen to build his own business that offers bespoke steel buildings with a guaranteed installation option. On the search for a business partner who could run the administration and logistics side, Dave approached John Rosling, who had a number of years' experience in public and private sector management. Since joining, the business has grown in strength at a fast pace.



Today, Castle Steel Buildings is well-known as an industry leader in its field. Offering a number of services to suit every budget including steel buildings for agriculture and rural, commercial and industrial, garages and sheds, as well as cladding installation. Understanding that customers prefer a personalised service, Castle Steel Buildings is committed to ensuring 100% satisfaction from start to finish and prides itself on its; affordability, to offer cost effective light weight composition of the buildings designed to reduce production and installation costs; versatility, with a range of buildings to suit every application; and top British quality, endeavouring to always support British economy. all Castle Steel Buildings materials comply with British Standards BS 6399(pt 2) and exceed ISO9001-200.

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Restoration

Traditional brick production specialist

The Bulmer Brick and Tile Company, based in Suffolk, is a family-run business established in 1936. With over 80 years' experience in the industry, the English company truly is a master of its craft.

The Bulmer Brick and Tile Company is renowned for its traditional handmade bricks which, fired in a down draught kiln, have a distinctive finish that blends well with the original London clays bricks. The beauty of the Suffolk company's bricks lies in their traditional production method. The bricks are made from clay dug from the same clay seam used since Tudor times. The wealth of experience amassed by the company coupled with their

respect for the process is what separates The Bulmer Brick and Tile Company from the competition.

Having produced bricks for reputable clients such as the National Trust, English Heritage and Historic Royal Palaces, the company is able to lend its services to both private and commercial developments. Its facings and specials can be made with almost any texture; with 150 different sizes of facings and a range of over 5,000 special shapes, including all standard plinths, squints and copings and extends to purpose made chimney bricks, terracotta, mullions, jambs, floor bricks, pavers, decorative plaques, garden edgings and a full range of rubbing blocks.



Aside from offering a wide range of clay brick solutions, The Bulmer Brick and Tile Company further offers a select number of additional materials. It is a stockist of Singleton Birch Natural Hydraulic Limes and Lime Putty, available in a range of strengths – NHL2, NHL3.5, and NHL5 – and sold in 25kg bags or 1 tonne bulk bags. Lime has proven to be the material of choice when laying the brick specialist's bricks and especially in the case of conservation work, with its natural strength and tendency to give 'movement' in the construction process favourable.

T 01787 269232
www.bulmerbrickandtile.co.uk

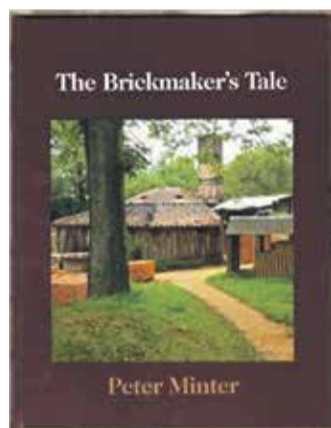
Peter Minter: The Brickmaker's Tale



The Bulmer Brick & Tile Co Ltd

Peter Minter and his son Tony are well-known for their father and son business, Bulmer Brick and Tile. The family-run

business has successfully been running for over 80 years and is extremely proud to say they have excellent expertise and knowledge in this industry.



Peter Minter wrote his own book, The Brickmaker's Tale, which entails a unique history of the Bulmer Brickyard and the craft of brick-making. Bulmer Brick and Tile pride themselves in saying that they are the most traditional in the UK that still uses methods to make bricks which dates all the way back to 1450. The first section of The Brickmaker's Tale focuses on the early history of the site, the second part of the book explores from 1936 onwards when the Minter Family acquired to the company.

Finally persuaded by family and friends, Peter Minter wrote a book that recorded some of his unique knowledge and memories in a book. The book highlights the story of the Brickyard and the people that have worked there throughout the years. The Brickmaker's Tale touches on the recreation of historic bricks for National Trust properties which include Hampton Court Palace and Blickling Hall in Norfolk, not to mention the bricks for the extension of St Pancras Station in London.

The Brickmaker's Tale is available from local bookshop Kestrel in Sudbury Suffolk or direct from Bulmer Brick & Tile Co Ltd.

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Complete compliance solutions

Since 2014, CheckedSafe has provided simple and inexpensive tailored compliance solutions. Established by Gary Hawthorne and Darran Harris, CheckedSafe is a SaaS platform compliance provider providing several apps and a web-based reporting system that is multi-functional and secure.

The CheckedSafe system offers organisations a complete solution, enabling them to manage and protect their workforce and comply with legal compliance requirements whilst reducing cost and liability. "We can provide you with a fully integrated solution – you can be completely paperless – also by using our system properly you will have a legally defensible product. We bespoke templates on the app to suit individual requirements, our latest release now means that the client can also do this themselves," said Gary.

Located in Burnley, its system is global and can be accessed from anywhere as long as you have an internet connection for the management portal, the app itself works off line and on-line so there is no restriction on using the app.

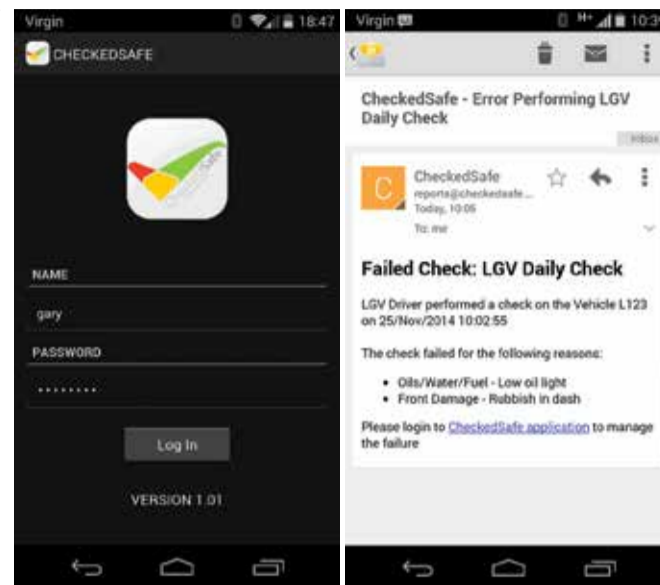
Both Darran and Gary's individual expertise has resulted in CheckedSafe being a nationally recognised company. "I am a transport professional with 30+ years in commercial transport, and Darran has 25+ years as a solicitor, so our individual skills set us apart from other 'IT' providers in the industry," said Gary.

CheckedSafe has a range of services from vehicle compliance solutions, compliance and regulations, risk assessment and incident reporting tools via the



App that enables them to offer the client a complete solution. Gary explained, "We constantly develop our product from user feedback. We release new features at least every quarter and a new app probably every four months depending on what features we have developed. Customer feedback is critical to us, we know a lot about transport, but the end users have great ideas that we take on board and use to develop free of charge and push out to the CheckedSafe community."

CheckedSafe's web-based reporting system is accredited by DVSA and the FLTA and utilised across all fleet types of HGV, PCV, VAN, plant or utilities. If



it needs a checklist, CheckedSafe can digitise and catalogue it, providing you with a cost-effective compliance solution.

With much of the industry yet to explore, over five million commercial vehicles in the UK and over 20 million pieces of plant, there is a huge market for CheckedSafe to expand into. "Our plan is to furrow into the fleet industry and develop new features, and if from this market we get new ideas then we will look to develop them further. We have recently developed our API to link with Dynamic 365 for a large crane operator which will come into development later this year/early 2022," stated Gary.

Despite COVID-19, CheckedSafe has managed to outsource all marketing resulting in an increase in in-bound enquiries. Utilising

platforms such as Zoom and Teams, less time has been spent travelling and more focus has been on growing the business from home.

Eight years ago, CheckedSafe was an idea, that today, has flourished into a fully successful business. Gary and Darran are passionate about what they do and provide a skill set that boasts professionalism and expertise. "We know our industry and our clients have an immediate infinity with us and put faith in us," said Gary.

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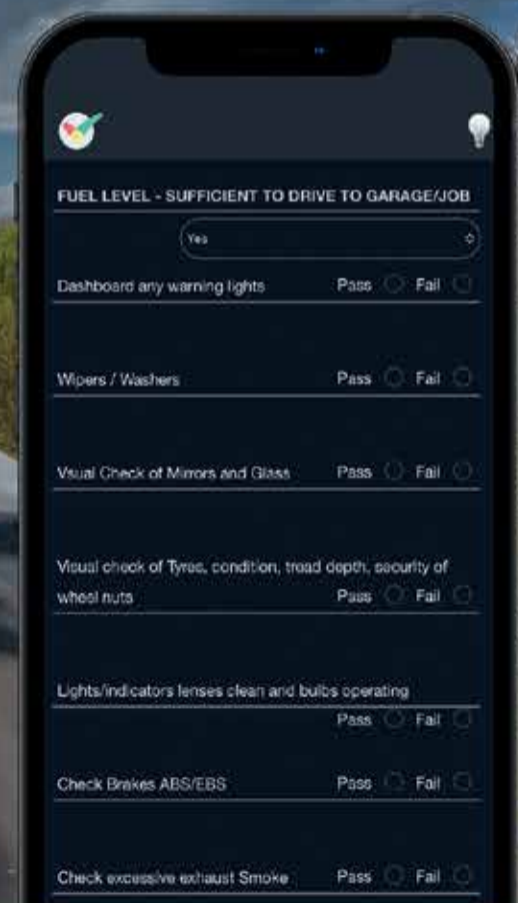
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Demon Designs: Experts in glass

Established in 2011 by Dominic Meakins, Demon Designs specialises in bespoke solutions for glass structures, offering consultancy, design and build services to exceed its clients' requirements every time. Fuelled by a commitment to excellence, the team at Demon Designs always goes the extra mile to ensure complete customer satisfaction, no matter what the project size.

One of Demon Designs' key advantages is its comprehensive service, offering everything the customer might need for their project. "Many of our customers want the hassle removed. For example, if they want a walk-on glass floor installed, they don't want to get a builder in to cut the hole, a plasterer to make good and a decorator to finish it off.

We can do the lot, including engineers' calculations." Recently, Demon Designs joined Check-a-trade, with a view to obtaining more domestic customers in preparation for the uncertainty of the current commercial market. "This has had some success, but we still find that the vast majority of our customers are either returning customers or new customers by recommendation, and you can't really get a better endorsement than that!"

Indeed, as well as a loyal customer base, this commitment to customer satisfaction has resulted in impressive successes for Demon Designs over the past eight years, and this year has been no different. "It's been an interesting year for us," Dominic told us. "We have seen a shift in the type of projects we win, moving away from large commercial fit-out projects towards domestic 'Grand Designs' type projects and installations.

In the coming years, Demon Designs is looking to complete more complex projects, to help the company grow even further and build upon its achievements since its inception eight years ago.

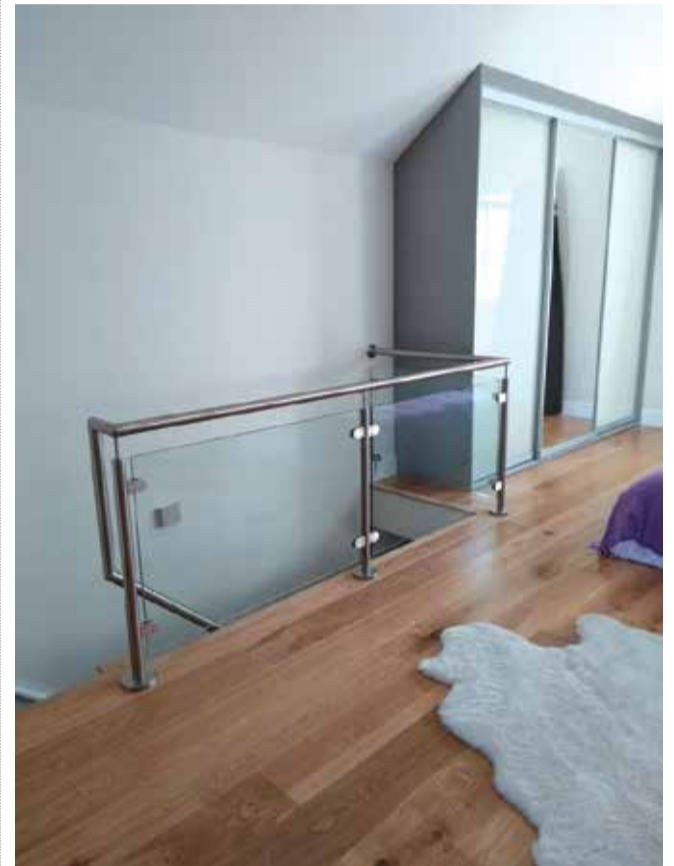
"We want to take on more bespoke projects, big or small.



I personally believe that you can only improve by pushing your boundaries, and this is true for business also. We are constantly taking on more challenging projects, often from other companies who don't want the risk. The great thing about this is that we often work for companies that would be considered competitors in other fields." Indeed, Demon Designs' future ventures are highly anticipated as it

continually develops and improves upon its capabilities. The company is always interested in taking on new customers, either commercial or domestic, so get in touch using the details below or head to the website if you wish to discuss your ideas.

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When you're looking for top quality work, Demon Designs is here to help. Our construction professionals are available to provide a wide range of customizable options, all guaranteed to meet and exceed expectations. Contact our office today to learn more about this and our other available services.



Eco Clipper FM4 Sport for sporting grounds

eco clipper®

Eco Clipper offers large area mowers that help Field Managers minimise mowing costs while producing a clean cut result. The Eco Clipper mowing system was originally developed to replace the cylinder mower in turfgrass production. The goal was to maintain the cutting performance of a properly tuned cylinder mower, but not the high maintenance requirement and sensitivity to mowing conditions, like wet grass and weeds.

The system

The smooth cutting decks with fast rotating small blades ensure a high quality of cut and a good distribution of the clippings. The clippings are also well spread in wet grass. This makes it possible to schedule this mower almost independently of the weather.

Due to the electrically driven blades, the mower is very economical and quiet. The large wheels and clever deck linking system ensure good contour following and enable high mowing speeds.

Municipalities and sports field and park managers have also discovered the advantages of the Eco Clipper mowing system. For them, Eco Clipper offers the EC-FM4 Sport. This 4.11m wide mower has four independent



cutting decks. The forward position provides excellent visibility and comfort for the tractor operator.

The benefits

Users report high productivity gains, a factor two compared to 5-gang self-propelled cylinder mowers, and appreciate the low maintenance and the ability to schedule the mowing even under less favourable mowing conditions, such as early morning dew and wet autumn.

For more information, please contact:
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'Dedicated to offer the best mowing system for maintaining large area turfgrass'



Eco Clipper FM4 Sport
 for sporting grounds
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eco clipper®

New innovation to the TuffStuff® range; TuffStuff® flexible GRP

Tuff Waterproofing is a provider of waterproofing liquid solutions for flat roofs, which are comprised of GRP, flexible GRP and polyurethane. Using its advanced TuffStuff® formula range, which uses the latest liquid polyester resins, glass fibre mat reinforcement and flexible edge trims, it creates a fully integrated 100% waterproof seamless finish. The TuffStuff® product range is used for various applications and across multiple domestic and commercial environments.

With an impressive history which spans across 30 years' experience, Tuff Waterproofing has invested heavily in research and development, company processes and its team to ensure that its TuffStuff® range of products, continue to exceed expectations and set new standards in flat roof waterproofing solutions. From the company's bespoke premises based in North Yorkshire, Tuff Waterproofing maintains its operations on a national scale, supplying its products through a dedicated Stockist network located throughout the UK.

Regarding its progression over the last year, Tuff Waterproofing is pleased to have continued to progress significantly since 2020. With the impact of the COVID-19 pandemic affecting many industries, Tuff Waterproofing was able to remain open throughout and further developed on its product range during the last 12 months.

We caught up with Greg Gimenez, Managing Director of Tuff Waterproofing and asked him about the company's developments over the last year, he stated that, "We have progressed very well. We didn't have to close during the Pandemic because we are in the construction industry, so the government's directive was to stay open. We have mostly remained the same, we're always trying to develop new products and develop our existing products. We're quite happy with the overall year and foresee further progression for 2022."

The company has continuously accumulated growth year-on-year and established an enviable reputation, becoming a key figure in the GRP flat roof market and resulting in TuffStuff® becoming the UK's premium

designer and supplier of heavy-duty GRP waterproof flat roofing systems.

Regarding its team, TuffStuff® maintains a dedicated product development team that work closely with its customers to produce a consistently, evolving product range that is suitable for multiple flat roof applications. This commitment to continuous development is echoed throughout the company and its dedicated team of UK based product developers work with UK manufacturing facilities, with the ambition of pushing and setting new standards of GRP roofing systems, to new levels.

A vital part of the company's business is its exceptional technical support service and Tuff Waterproofing ensures it provides premium quality and agility, in responding to and resolving customer queries professionally, efficiently and to the highest standards. The company prides itself on providing the highest standards of customer service and its main ambition is to instil confidence in its customers, that they feel fully supported.

"As I have always said, the life blood of this company is the service, exceptional training and technical support that we give. It's more than just providing products, it's all about the service and support," Greg added.

In terms of the company's most recent developments this year, Tuff Waterproofing has further expanded its TuffStuff® product range and is now offering its latest GRP roofing innovation; TuffStuff® flexible GRP. TuffStuff® flexible GRP is a single resin solution that provides an exceptional combination of versatility



and durability. It's extremely quick to lay and does not require stripping or re-decking of the roof, saving customers both time and money. It can be applied to a variety of surface types and structures including vertical sections.

Requiring only two coats and 225gsm reinforcing mat, it can be applied within two hours. The TuffStuff® Flexible GRP forms a highly flexible, extra tough and seamless waterproof membrane, making it an ideal solution for areas of heavy-duty foot traffic. The solution can be applied directly to felt, asphalt, single-ply, GRP, concrete, timber or metal. Its highly flexible, extra-tough and seamless waterproof membrane makes it reliable when added to vertical sections without the concern of sagging. Furthermore, the solution is a fast-curing system with walk on time of between 30-60 minutes. Once laid and whilst curing, the product is showerproof.

Specifically designed for durability in mind, the TuffStuff® Flexible GRP is extremely robust with one coat needed for a 10 year system or two coats required for 20 year system, and is crack resistant with no risk of weak points. The 20 year system qualifies for a 20 year guarantee on materials.

On the back of its successful launch of TuffStuff® flexible GRP, Tuff Waterproofing is planning to further feature its new product at various tradeshow throughout 2022. These include: UK Construction Week 2022 in May, in London and UK Construction Week 2022 in October, in Birmingham.

As the company looks towards the future, Tuff Waterproofing foresees many challenges that they will have to overcome, but believes firmly that it has the right structure in place to provide the company with the perfect platform to be able to consistently respond and evolve its product range, while providing outstanding support to its customers.

Indeed 2021 has seen impressive growth and development for Tuff Waterproofing and the company anticipates much more progression, leading on from its new product launch. After what many industries have deemed as a challenging year in regards to



the COVID-19 pandemic, Tuff Waterproofing has showcased its industry leading expertise and is pleased to have been acknowledged for their hard work.

For more information about the company or to view its range of products, please see the details below or alternatively, contact them directly on the number stated.

Contact
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FLEXIBLE GRP

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With two coats applied within one hour, TuffStuff® Flexible GRP will form a highly flexible, extra tough and seamless waterproof membrane - can be a solution for areas of heavy duty foot traffic.

TUFF STUFF FLEXIBLE GRP



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Our goal is 100% certified timber from 2025

The Belgian fifth-generation family company, founded in 1883 Vandecasteele Houtimport still has to deal with old prejudices on the use of hardwood. "Everyone knows that timber is a sustainable material," says Isabelle Polfliet, Compliance Manager at Vandecasteele, "A lot of users still associate tropical timber with the disappearance of the forests." Nevertheless, Vandecasteele Houtimport is fully committed to certified timber.

Sustainability and reliability are an essential part of Vandecasteele Houtimport's DNA. The company is determined to achieve the goal of trading only certified timber by 2025. Isabelle Polfliet, "As far as softwood is concerned, we are at 99%. The challenge, however, lies with the tropical hardwood and today we are at 66%!" Vandecasteele Houtimport has a clear vision: only certified timber has a future.

Substantial investments have been made over the years to be able to realize this future perspective. "You cannot achieve this goal overnight. This is a long-term job, in which all partners must be included. If we want to assure our customers that we keep our promise to only trade timber that comes from well-managed, certified forests, we need to be sure that all our trading partners share the same strictest certification and sustainability processes as we do."

This has resulted in several actions within the company. "First of all, we were assisted by external experts to get the procedures and protocols in order within our company. For example, we apply a responsible purchasing policy that must be signed by every supplier." Secondly, the team at Vandecasteele was reinforced with a forest engineer in Brazil. "That way we can keep a finger on the pulse of every shipment and we are able to accurately apply the ever-changing legislation in Brazil with great precision."

This sends an important signal to our suppliers. They know that doing business with Vandecasteele Houtimport means: complying with a procedure that is continuously refined and adapted. Every timber transport requires approval. When in doubt the timber is not accepted by us."



Digitalize

Last year another important step was taken in the partnership with 11 Foundry and their product Fibertrace. "This is in line with our intention to digitize all processes within our company. Fibertrace allows us to register all processes related to compliance in a structural and transparent way," says Isabelle Polfliet.

"The choice for certified timber does not mean that we push all non-certified suppliers aside. We have a preference for certified wood. By working together with external auditors, we can carry out field audits and share the results and the expenses with colleague importers. This enables suppliers to gain insight into their processes and where there are areas for improvement. In this way, we will gain certified suppliers in due course."

Vandecasteele has a long-term commitment to preserving the forests. The family business imports more than 125 different types of wood from 40 countries and has 105,000 cubic meters in stock, mainly certified hard and soft woods.

"This wide range of wood species is also due to our support for the LKTS program of FSC Denmark. With this we want to help promote the use of lesser known species. We keep these lesser-known types of wood in stock and offer them as an alternative. Too often, regulations refer to the known types of wood. From the point of view of good forest management, one must dare to choose the right durability class for an application instead of a specific type of wood."

Preservation of the forest

In a well-managed forest, only mature trees



are harvested, which amounts to one to three trees per hectare. After that, felling will not take place for at least 25 years. In this way the forest is preserved for the future. Mother trees, trees with bee nests and the like are of course not harvested.

Positive evolution

Isabelle Polfliet notes that a positive evolution is noticeable in consumer purchasing behaviour. Customers are increasingly asking questions about certification and the origin of the timber. Buyers are becoming increasingly aware of the need to use certified timber.

"Importing tropical wood goes further than just asking for certified wood. Internally, the processes and procedures must also be in order. Say what you do and do what you say. This means a continuous evolution within our company, because there are always

new insights and legislation does not stand still ('the new Deforestation Law'). Due to our collaboration with external experts, we are broadening our internal knowledge and continuing to make progress."

Considerable steps have already been taken with the arrival of the EU Timber Regulation, but we can and should do even better. "We want to see and monitor a stronger application and support for certified timber. Vandecasteele communicates continuously with the users via the website and campaigns in order to get that message out. This is necessary, because the purchase of FSC® certified wood contributes to 14 of the 17 Sustainable Development Goals (or SDG's) of the United Nations'. Since the year 2000 Vandecasteele Houtimport has committed itself through the Corporate Durability Charter by signing up to environmental objectives exceeding the applicable legislation. In 2018, the charter started a partnership with CIFAL Flanders, the local HUB of UNITAR, the Training and Education centre of the UN. In 2021, Vandecasteele Houtimport was the first timber company in the world to have obtained the international recognized 'SDG Pioneer certificate' from UNITAR CIFAL.

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reconditioned. Additionally, they also distribute a widespread range of sundries including vacuum pouches, bags, sausage casings, rusk, sausage seasonings, professional knives and more.

developed using top quality PA/PE material.

Similarly, their sundry and clothing is made using the finest materials, and encompasses commonly used cooking attire, such as aprons, gloves, hair nets, coats and trilby hats. Food equipment, which includes knives, steels and racks, are also popular purchases among clients. PFM also supply clients with first-rate safety efficient chain mail gloves, which have been specially fabricated for both hygiene and protection.

Their latest merchandise, the Epelsa Range of scales and printers, has been so efficaciously constructed that they have attracted multiple clients such as the Co-op, who have had this product placed in a number of stores across the UK. Moving forward, the company are looking to enlarge their current market footprint as a leading provider for the meat industry, extending their consistent and efficient services to new sectors and client bases.

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The labelling company are also able to provide clients with an extensive after sales support service, catering to those who seek help with their items, extra equipment, adequate know how on how to maximise their product's potential and much more.

Their internal and external vacuum packages are particularly sought after, having been

Reusable thermal packaging

Polar Thermal Packaging Ltd, was established in 2012, however the original Polar brand has been around for over 30 years. Polar's entry into the thermal control market, came following a request by the Ministry of Defence, to solve the problem of frozen food melting at the dockside.

CEO, Paul Harrison and the team, have designed various thermal systems for the National Blood Service, DHL, Excel Global Logistics, Marks and Spencer, Tesco's, Sainsbury's, Astra Zeneca, Pfizer along with many other clients.

Polar Thermal Packaging Ltd, manufacture a range of temperature control insulated systems. These include transport packaging for blood products, food, vaccines, pharmaceuticals, fine chemicals, plus many other specialist applications.

Polar is the best performing British product in its field, all Polar Thermal products, are manufactured at its Wiltshire based factory and are used throughout the world.

environmentally friendly, stated Paul Harrison, Managing Director & Head of Design.

Polar Thermal Packaging Ltd has developed it's Polar-Pod™ system, in conjunction with Gist International, to safely ship perishable, chilled and frozen produce by road and air, providing a controlled environment in varying ambient temperatures.

The range was developed, to reflect customer demand for a single use modular system, that provides excellent performance.

Combining a plethora of technologies in three categories; Deep Frozen: -18°C to -14°C, Chilled: +2°C to +8°C and Ambient: +15°C to +25°C.

Available in three sizes, 1,500 x 1,200 x 1,000 (1.5 m³ internal capacity), 800 x 1,200 x 1,000 (1m³ internal capacity) and 400 x 1,200 x 1,000 (1/2 m³ internal capacity). The Polar Pod, complete with the appropriate coolant packs, will deliver fantastic results over 30, 48 and 72 hours.

The Polar Dot-Box™ is a lightweight thermal liner, that fits snugly into a standard Euro 44 Litre tote, reducing or eliminating the need for refrigeration in vehicles. It's space saving when stowed flat, allowing the plastic crates to be nested, The Polar Dot-Box™ delivery system, is perfect for chilled, fresh or frozen goods.

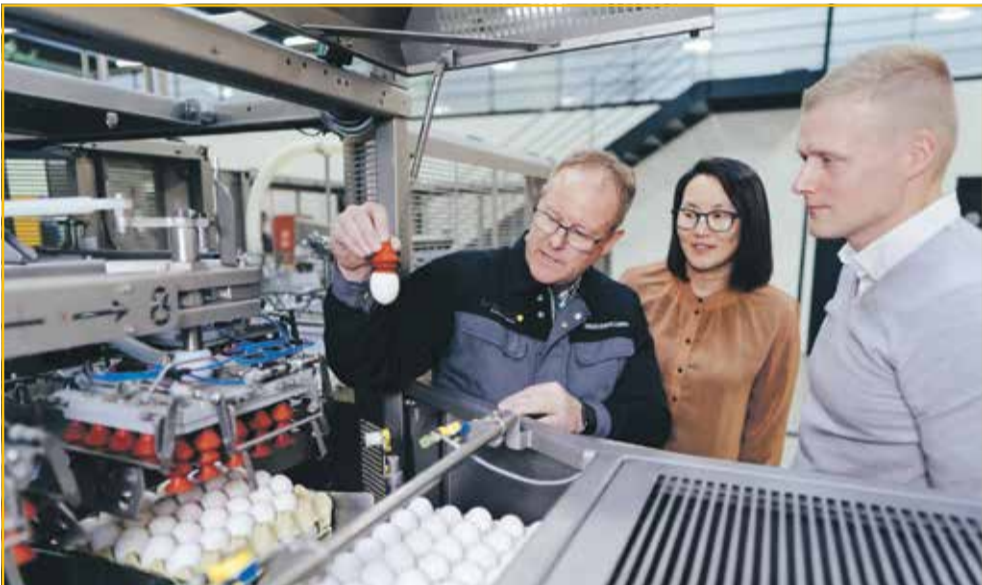
Developed using NASA technology, Polartherm™ is made up of a reflective inner layer, with a hollow fibre insulation material, with a waterproof woven PVC outer, producing a unique product, that is both tough and lightweight, with excellent thermal control properties.

Another product development, which came from a public-sector requirement, was the Performance Roll Cage. The product is lightweight, sturdy, durable and was developed alongside a leading public-sector procurement organisation, to safely deliver frozen, chilled and perishable produce, over multiple drops.

Available with a two-year warranty, utilizing the appropriate cool packs, to deliver faultless results over 30, 48 and 72 hours.

For the immediate future, Polar Thermal Packaging Ltd, is constantly looking to improve and expand on its already successful product range, using its client's feedback, to innovative new product designs.

T 01985 214111
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www.polarthermal.com



What makes Polar Thermal Packaging Ltd products so special? In recent testing by NHS England, the company's products scored 100/100 while its closest competitor scored 72. This is because of the materials used and the quality of Polar Thermal's British workmanship.

All products have been deployed in the harshest and most testing environments and have proved themselves, whether it is in constant daily use in UK hospitals or in conflict-zones like Afghanistan, showcasing Polar Thermal's service is effective and durable.

Polar Thermal, has a vast range of transport solutions, for airfreight and road transport, supporting the cold chain for perishables, and pharmaceuticals markets.

Our customer feedback is excellent! All Polar Thermal products are reusable, with every square meter of insulation, produced from over 600 plastic bottles, with multiple uses, which makes for a cost-effective solution, alongside being extremely



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Service Sealing Solutions Ltd provide a number of different sealing solutions across the UK to both the public and private sectors. As the sole UK distributor for the sealing industry's top manufacturers; DOYMA, FRANK and HKD, Service Sealing Solutions Ltd offers the UK the most extensive range of products that are German manufactured and far outweigh that of any competitor.

Service Sealing Solutions Ltd specialises in high-quality service duct sealing systems for utility services and watertight seals. The company's ever growing market range can benefit from its broad scope of innovative sealing solutions alongside receiving the highest level of expertise.

In 2018, DOYMA granted Service Sealing Solutions Ltd the exclusive rights to distribute their products in the UK. DOYMA stands on the front line when it comes to the development of innovative, practical solutions for sealing



and fire systems. Providing the very best in German engineering, DOYMA is used to seal penetration points in walls and floors to permanently prevent any infiltration of gases and water into the building. All DOYMA products are designed to solve all watertight duct sealing requirements, prevent against structural damage and incorporate rubber mouldings that ensure all gas and watertight features.

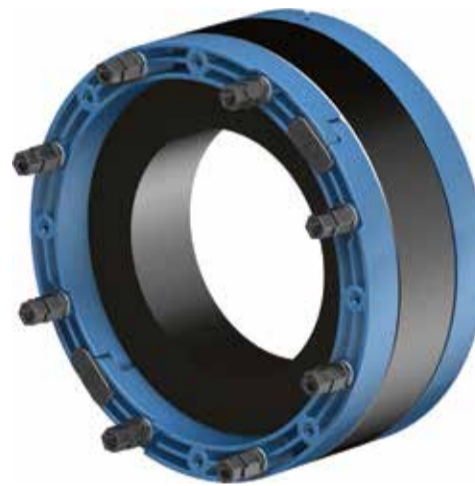
Demanding building types, such as power plants, large industrial plants, reservoirs or airports, often require highly specialised custom-made constructions. They place high demands on the fact that building penetrations such as cables and pipe work need to be permanently sealed. In the case of extraordinary pipe dimensions or special thermal, chemical or physical requirements, sealing systems in the form of a special construction are the required solution.

DOYMA have the expertise and an experience of over 50 years to develop and produce the best solution for any building or project, using state-of-the-art design and manufacturing methods as well as professional simulation methods to ensure safety when using DOYMA special constructions.

Suitable mostly for builders of commercial properties, Service Sealing Solutions Ltd has a large range of DOYMA products that come with a 25-year warranty. DOYMA product brochures are available on the website and include products that have been supplied to some of the UK's largest projects such as HS2

and Kings Cross in London. DOYMA has recently released its new generation Curaflex Nova® gaskets which are the perfect solution for any professional tradesman instantly looking to solve sealing problems and can be adapted to multiple applications.

As a UK distributor for FRANK puddle flanges, Service Sealing Solutions Ltd provide assured watertight sealing of pipes through concrete walls, foundation plates and manholes. The FRANK puddle flange is an extremely flexible product and comes in a range of versions. Made from EPDM, the puddle flanges act as a barrier which are also chemically resistant to a wide range of acids and bases. Depending on the diameter, they are proven to be tight and to hold pressures between 8 to 10 bars. FRANK puddles flanges also offer exceptional



resistance to ozone and weathering conditions, and can be installed during construction resulting in a perfect cost-effective alternative to conventional sealing systems.

Lastly, Service Sealing Solutions also supplies HKD products, which are now owned by DOYMA. HKD manufacture a large range of pipe sealing systems and service conduits that are guaranteed to withstand up to four bars pressure. HKD systems have a sealing solution for service conduits cast into concrete without the sleeves. They are supplied and ready to use, requiring no site preparation work prior to installation. With options such as KE Socketless service conduits, KG Wall Ducts and Floor Ducts, together with KG Twin Sockets for installation in pump sumps, HKD products are ideal for situations where suitability for thin-walled concrete structures is vital.

Contact
T 01952 510050
www.servicesealingsolutions.co.uk



Service Sealing Solutions Ltd



Service Sealing Solutions are the sole UK distributor for pioneering the sealing industry's top manufacturers; DOYMA, FRANK and HKD.

Service Sealing Solutions are the sole UK distributor. Wherever services are installed through walls, ceilings or floors, penetrating water may cause damage to buildings. Lack of attention to the points of entry of pipes and cables into the building can have serious results: damp cellars, equipment damaged by water ingress and high repair costs.

Service sealing systems ensure professional and perfect pipe sealing, thus presenting excellent preventative measures against structural damage.

The very best in German engineering is used to seal penetration points at the wall to permanently prevent any infiltration of gases and water into the building, and the duct sealing systems are guaranteed for 25 years.



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DIRECT HOIST GOES GREEN

Direct Hoist specialises in hire and sales of construction hoists, and is leading the field in environmental awareness

Environmental awareness isn't something you'd normally associate with the construction sector. Indeed, it's reckoned that a third of the UK's entire carbon emissions comes from the built environment.

Regardless of your views on climate change, it's impossible to ignore the impact of construction on the natural world. From plants and wildlife to noise and pollution, there's not an element on the planet that isn't affected by development projects.

So it's vital that the industry creates and maintains a sustainable outline for the future. And it's essential for our own survival - on an environmental and a financial scale - that we play our part in the battle to cut emissions.

Direct Hoist, an ever-expanding construction hoist hire and sales specialist, is rising to the top as a market leader in going green. Company founder Rob Wilson says, "Due to the Government's intention to drastically reduce the UK's emissions - especially from motor vehicles and businesses - Direct Hoist is moving forward with demands for companies to decrease their carbon footprint down to zero emissions."

Rob's approach is to take a fresh look at Direct Hoist's operations with an environmental eye. The basics were covered easily: long-life, low-energy LED lighting was fitted to the firm's premises

to replace inefficient equipment; recycling is rigorously monitored and separated to minimise general waste; scrap materials are saved up and weighed in.

Direct Hoist has slashed stationery usage, implementing paper-free hand-overs via phone apps, and is rapidly moving towards paperless offices. Sustainability passes down the chain, so Direct Hoist favours suppliers that are either local (to cut transportation) or offer green credentials.

Direct Hoist already runs its fleet of diesel-powered vans on HVO (hydrotreated vegetable oil) fuel, which is 100 per cent renewable (BS EN 15940 standard), offers a 90 per cent reduction in CO₂, and can be stored for extensive periods in a tank on-site - meaning Direct Hoist's drivers don't need to divert to fuel stations, making each trip more economical.

Rob says, "Electric vans don't yet offer the range we need, so HVO is a good alternative. Compared with white or red diesel, HVO fuels have benefits to health and the environment. Air pollution is drastically reduced, and

it's much safer if there's an accidental spillage - HVO biodegrades quickly, whereas regular diesel will remain slippery and harmful to the ecosystem for years."

Direct Hoist's switch away from fossil fuels includes a hire fleet of generators that will run on HVO when powering hoists on sites without connection to mains electricity.

Of course, Direct Hoist has for years supplied electrically-powered construction hoists instead of old-fashioned engine-driven devices. Rob says, "They use a 110-, 240- or 415-volt supply, depending on the lifting capacity and size of the hoist platform required, so there are no carbon (CO₂), nitrogen oxide (NO_x) or carbon monoxide (CO) emissions here."

Direct Hoist is also investing in lithium-ion battery-powered lifts, which can carry 120kg up to heights of 10m, controlled wirelessly by a smart-phone app. They're ideal for transportation and installation of solar panels.

Most importantly, the inclusion of a hoist on any construction site has an added environmental benefit due to its manpower-saving efficiency. Construction hoists dramatically reduce project timescales - the speed and ability of a lifting platform to take tools and materials up multiple storeys can knock weeks off a large scheme - thereby minimising workers' journeys to and from site.

"We're on target to reach net zero greenhouse has emissions long before the Government's policy," says Rob. "Direct Hoist is committed to going green, and we're taking a direct route towards sustainability." ■

■ For more information, visit:
www.directhoist.co.uk

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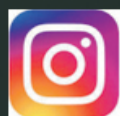
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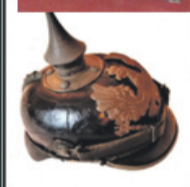
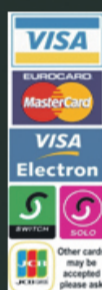
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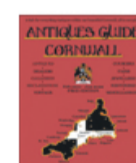
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Automate Packaging with RG6 Grippers at Pluspack, Denmark



For several generations, Plus Pack has been at the head of the pack among producers of food packaging. The company has continually developed new products that are more or less environmentally friendly, having received several international awards for this work. And not only the green revolution, but also the working environment for their more than 200 employees is given high priority by the company. The working environment in particular is one of the reasons for focusing on automation. "It is used particularly where heavy and monotone tasks can be taken from the employees to be done by collaborative robots," says strategic Project Manager, Bastian Fietj. "The work station where we use the gripping arm from OnRobot replaces a packaging process where the operator used to work manually on stacking products on top of each other, pressing out the air between them. The manual process required a lot of repeated heavy lifting and a lot of stress on the shoulders. We have removed this physical strain from the employees," he says.

Unproblematic solution

And certainly, there is no reason to wait before automating the production. At Plus Pack, the implementation of the End-of-Arm tool from OnRobot has been fast and unproblematic, says Project Manager Simon Laigaard, "In our opinion, the OnRobot gripping arm is easy to work with. By adjusting four screws, we can change the fingertips on the gripping arm, making



it precisely suited for the individual product. If we had opted for building separate tools for each product, the cost would have been significantly higher than with this solution, where the gripping arm is easily adjustable."

"We ran some tests with the gripping arm in the lab, and the programming was done in a few days. After that, it took just 30 minutes to implement the gripping arm at full speed in the packaging line," he says.

Find an Automation Expert Near You

A definite recommendation of OnRobot

As stated, one of the reasons to use collaborative robots is the working environment. Another reason is productivity, which becomes very flexible by using gripping arms from OnRobot, says Bastian Fietje, "We manufacture a lot of different products, and we have a lot of different customers, for whom we manufacture customised packaging solutions. For this reason, we are always trying to optimise the products and

the packaging process for each customer, which is something OnRobot's End-of-Arm tools help us do."

If you are planning to automate your production, I would definitely recommend gripping arms from OnRobot, as they offer the flexibility to create customised solutions suitable for specific needs. This is something we have never seen from other suppliers of End-of-Arm tools, he said.

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ensures it maintains complete control over the design and high quality of its goods.

Customer service is an integral focus for Gold & Wassall Hinges and the company ensures it provides a first class turnkey service, from initial enquiry to delivery and aftersales care. With a team of expert sales reps, Gold & Wassall Hinges is well equipped in providing a personal service to fulfil the needs of each and every customer. Its



In keeping with the company's goal of providing unrivalled customer service, Gold and Wassall Hinges also provides an abundance of finishing options for its customers. The company is dedicated to providing not only durable, high quality hinges, Gold & Wassall Hinges understands the importance of an aesthetically pleasing, customised design. Able to customise colour, add branding and create a smooth premium finish, Gold & Wassall Hinges' array of finishing options are the perfect complement for its hinges and create a smooth premium finished look.

Providing a full service comprised of a comprehensive design and manufacturing service, the company offers a wide range of hinges from continuous/piano hinges, butt and backflap hinges and standard, to heavy duty and bespoke made to order hinges. Using the company's automatic section which contains eight lines of automated machines, Gold & Wassall Hinges is



able to make hinges quicker and to almost any length. The company also maintains the specialist tooling for these machines which can complete multiple operations in each press.

Gold & Wassall Hinges is the only hinge company whose hinges are UK made and all of Gold & Wassall Hinges' stock is available for immediate dispatch.

Gold & Wassall Hinges understands that some projects will require a custom built solution. To aid its customers with custom built requirements, Gold & Wassall Hinges provides a bespoke design and manufacturing service. This service enables the company to be able to create virtually any hinge requirement, facilitating the company to be able to develop both complex designs and simple designs, requiring small alterations.

The company has demonstrated its wealth of expertise and consistency in exceeding expectations. Its sheer magnitude of industry leading expertise echoes throughout Gold & Wassall Hinges' services, which has enabled the company to continue its operations throughout the COVID-19 pandemic, and beyond.

For more information, please see the details below:
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Gold & Wassall Hinges has provided its services to various customers throughout its years in operation and serviced customers from construction to engineering companies. With a proven track record of quality, reliability and durability, Gold & Wassall Hinges

sales reps engage on a personal basis and get to the customer's requirements upon placing an order, advising on and handling everything from measurements, style to fitting; the company is dedicated to finding the right door hinge solution for its customer.



MR. J.W. RODNEY PEYTON OBE MD

An Epitome for Experts in the Medico-legal Industry

Medicine is regarded as one of the most dignified professions around the world. The relationship between the doctor and the patient stands on pillars such as trust, confidence, and hope. However, like several other industries, commercialization has largely impacted the medical profession and services as well. Today, there is increasing anxiety both within the medical profession and in society regarding the constantly increasing trends of complaints and lawsuits against physicians.

It is imperative for doctors to be aware of the legal aspects linked to their profession and take precautionary measures to protect themselves and their patients from legal traps. The knowledge of medico-legal issues has become as fundamental to the practice of medicine as clinical skills.

Thus, experts in the field of medico-legal services are in demand presently. While several new leaders have been emerging in recent years, veterans like Mr. J.W. Rodney Peyton OBE MD are still regarded as one of the prominent leaders in the medico-legal sector.

A Distinguished Career spanning Over Three Decades

A Consultant Trauma Surgeon by profession, Mr. Peyton has been driven by a desire to improve surgical practice and ensure better outcomes for patients—throughout his eminent career spanning four decades. He has served as the Head of Faculty Development and Examiner Training for the Royal College of Surgeons of London and has been at the forefront of innovation in the delivery of teaching and healthcare.

Widely regarded as the World's #1 surgical coach, Mr. Peyton has received numerous recognitions. He has received the Werner Korte Gold Medal for services to German Surgical Education in 2002. Moreover, he was bestowed with the Medal of the Swedish Surgical Society for his services to medical education in 2005.

He is also a law graduate and has been involved in medico-legal reporting and court appearances as an expert witness since 1983. He is also a founding member of the Expert Witness Institute and has played an important role in providing an independent expert opinion in cases of potential medical negligence. He has been reported over 70,000 personal injury cases as well as being asked to advise in more than 3000 cases of potential medical malpractice.

Mr. Peyton's prowess in the medico-legal domain, blended with his avid experience in both military and civilian trauma has been instrumental in him being regarded as an authority on medico-legal



issues. He has been actively involved in training doctors and lawyers in dealing with medico-legal cases—both individually and in professional groups, also as a trainer and keynote speaker. In a conversation with Mirror Review, Mr. Peyton shed light upon what it is like to be a medico-legal expert in today's world and shared some invaluable insights that would help those aspiring to step into the industry.

A Satisfying Intellectual Exercise

Preparing medico-legal reports—according to Mr. Peyton—is a very satisfying intellectual exercise, particularly regarding malpractice, and is one of the best ways of keeping up to date in his field of expertise. “Each case is unique with many twists and turns. Having to think out the pros and cons in any given range of opinions allows the expert to become even more secure in their own practice which can only be for the benefit of patients,” affirms Mr. Peyton.

According to him, the best way to learn anything is to teach it. In this case, barristers/ trial lawyers will ask detailed, probing questions to gain a full understanding—requiring the teacher/expert to more clearly understand their own practice and personal biases as they consider legitimate differences of opinion.

Stay Relevant, Neutral, and Clear

As Head of Peyton Medico-legal Services, Mr. Peyton's philosophy is that the objective is to assist those in litigation including the clients, their legal advisers, and the court to clearly understand the nature of medical evidence in individual cases so they can make informed decisions. It is the court's jurisdiction to determine facts under dispute in a case, and the expert opinion guides the court in its deliberations.

While the judges are highly trained and experienced in the interpretation of the law, they—alongside the barristers and trial lawyers—are not the experts when it comes to healthcare professions. They need help in understanding the medical evidence before them. Thus, the expert must assist the court in decision-making. According to Mr. Peyton, any expert must stay relevant in their profession, remain neutral throughout no matter who is responsible for their fees, and must clearly understand their paramount duty is to the court.

Mr. Peyton further mentions it is important to remember innovation in the legal profession is slow and steady. When in the witness box, an expert must not display innovative behaviors in terms of thoughts about managing cases. As the courts are looking for a fair degree of certainty, all the arguments have to be clear, logical, and well-thought-out. “In this case, experts must acknowledge there always exists a range of opinion and clearly announce with an evidential base as to why their opinion should be preferred,” he advises.

Furthermore, an expert having personal prejudices or inclinations can sometimes cause confusion and trust issues. Mr. Peyton, however, believes having a personal bias towards a particular method of treatment is not an issue if the preference is transparent and the expert can demonstrate they are prepared to consider and discuss the viability of other options. According to him, experts require the flexibility of mind to review their opinion if compelling evidence to the contrary becomes available.

Determining the Probability of Success

In recent years, medical negligence/malpractice has become one of the major growth areas in medico-legal practice. However, figures from defense organizations suggest that only a few actions actually succeed with a vast majority failing based on causation. As subsequence is not the same as consequence, Mr. Peyton believes that it is important to determine at an early stage the probability of a case to succeed.

To help offset the escalating costs of litigation, Peyton Medico-legal has introduced a provision



of preliminary screening reports to ensure that the elements of duty, breach, and consequential damage are likely to be in place before commissioning other more costly specialist reports. This keeps down the costs for clients and their legal advisors as well as enables lawyers to manage clients' expectations at an early stage at a minimal cost.

“Lack of Professionalism will not be tolerated...”

Mr. Peyton believes that being an expert witness has become more professionalized now than it was when he started. He mentions that courts have tightened up concerning their expectation of witnesses and, of particular importance, has been the loss of immunity from liability for those giving evidence. “Overall, I think this has been for the better. There still tends to be a lot of exaggeration, if not outright fraud, inflicted within the claims industry,” he asserts.

The business environment in personal injury cases—with an added emphasis on financial compensation—can induce a tendency to discard facts for portraying the claimant's case in the best way possible. Unfortunately, this has been enabled by some medical practitioners who fail to understand their duty is towards the court and not to those instructing them. This can lead to the defamation of professional medico-legal experts and can have a severe impact on their personal, professional, and financial well-being. Mr. Peyton adds, “The message is clear. Such a lack of professionalism will no longer be tolerated.”

Why do Medical Mistakes Occur?

Alongside a lack of professionalism, there are several other mistakes medico-legal experts make. Expressing his views on those mistakes, Mr.

Peyton says, “It is in the way in which decisions are made.” According to him, there are three primary types of logical reasoning—deductive, inductive, and abductive. Deductive argues from the general to the specific and if the generality is correct, then the specific is correct. “For instance, if I have a jar of white marbles and I take the marbles from the jar, then those marbles are liable to be white. In court terms, this is the doctrine of res ipsa loquitur,” he adds.

Inductive logic, on the other hand, starts from the specific and works back to the general. Mr. Peyton illustrates, “If I have five white marbles in my hand and they came from a specific jar, then all marbles in the jar are liable to be white.” This, however, may not be true and is the basis of the null hypothesis in statistical research. Thus, papers that states results “nearly reached significance” have to be handled diligently. They either reached significance or they didn't and the problem in the law is arguing with a specific bias and producing only evidence that equates to one side of the argument.

At last comes the abductive reasoning. “For instance, if I have white marbles in my hand and there are white marbles in the jar, then the marbles in my hand came from the jar,” states Mr. Peyton. This is a big step and is one of the major causes of medical mistakes where a set of symptoms are assumed to indicate a particular disease process. “This is a cognitive bias where alternatives are not even considered in spite of evidence to the contrary,” he adds.

For more information or any queries on Medico-Legal issues, please visit: www.rpeyton.com to schedule a complimentary consultation

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