

INDUSTRIAL

ISSUE: 663 | MARCH 2023 | www.solutionspublishing.co.uk

www.facebook.com/solutionsuknews | [@Publishing_2016](https://twitter.com/Publishing_2016)

SOLUTIONS UK

THE HEALTH PROFESSIONAL IN COURT

10 PRINCIPLES FOR PRACTICE

Turn to page 16



Manosun
turn to page 3



Lauda Technology
turn to page 5



OnRobot
turn to page 5



Accon UK
turn to page 8



Intoware
turn to page 13



CML IT
turn to page 15



Curtiss Wright
turn to page 20



Specialising in Sales of Tower Cranes

Hire, Sales & Servicing of Luffing Jib & Saddle Jib Tower Cranes

See them on page V in BUILDING UPDATE

Contents

- 03** Manosun
Hand Protection
- 04** Interface Force
Measurement Applications
- 07** RMIG Solutions
Industrial Processing
- 09** OnRobot
Automation
- 10** Direct Hoist
Hoists
- 12** Davies Turner
Logistics
- 14** Davison Forklift
Forklift Sales,
Hire & Finance

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 663 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 Medico and Davies Turner.

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

Secondly, we are featuring Davies Turner with the 'Logistics' profile following their impressive performance over the years. For more information, turn to page 12.

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

For all advertising & sales enquiries, please contact Ian Hayward
0121 241 8788

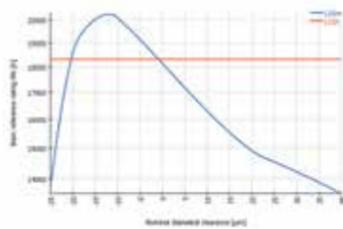


Engineering & Software

Bearing calculation methods

Markus Raabe, MESYS AG, Zürich

Rolling element bearings are important components within transmissions. Usually, they are selected based on geometric restrictions, requirements on load directions and rating life. Rating life is mostly calculated based on ISO 281 using an equivalent load and the dynamic load rating from the catalog. Additional influence factors like lubrication and cleanliness can be considered in a modified life rating. The life rating restricts the maximum load. Regarding



minimum load the bearing catalogs provide limitations in the range of 1-2% of the dynamic or static load rating as slippage can lead to wear or smearing. Using an equivalent load based on ISO 281, misalignment, moment load or bearing clearance are not considered.

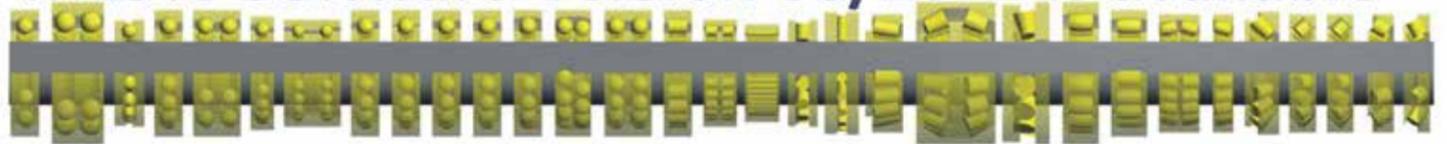
A more detailed approach to calculate bearing rating life is provided by ISO/TS 16281. This cannot be evaluated manually as it is based on the load distribution within the bearing. By

considering the load distribution, additional effects can be included like misalignments, bearing clearance or fitting. Broadening this approach allows housing deformations to be considered, which will also affect the load distribution within the bearing.

Following image shows a comparison of reference rating life L10h according to ISO/TS 16281 and basic rating life L10h according to ISO 281 over bearing clearance for a 6210 deep groove ball bearing under radial load.

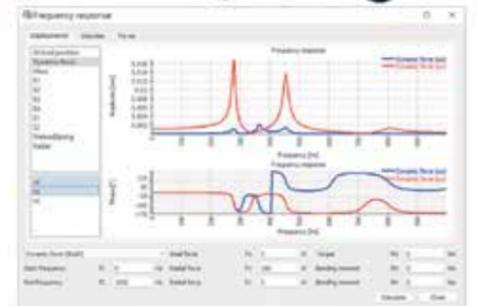
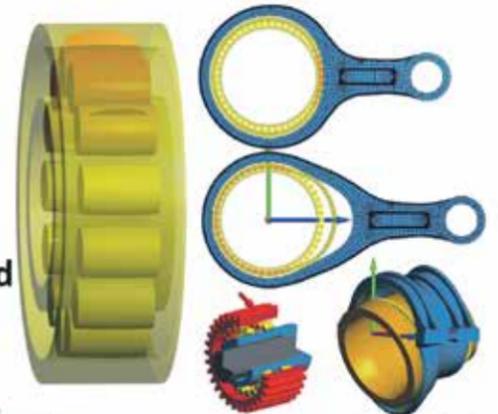
T +41 44 4556800
info@mesys.ch
<https://www.mesys.ag>

MESYS Software Version 06/2022 is available



New features in Version 06/2022:

- New bearing type: Toroidal roller bearing
- New bearing type: Double row thrust cylindrical roller
- Multi-layered interference fit for bearings
- Direct consideration of clearance between outer ring and housing and contact between bearing rings
- Extended calculation of frequency response
- Defeaturing on STEP-Import
- Updated bearing databases



mesys
Engineering Consulting Software AG

MESYS AG
Technoparkstrasse 1
CH-8005 Zürich
info@mesys.ch
T: +41 44 455 68 00

Labelling Systems

Global Leader in Labels and Labeling Systems



**BLANK & PRE-PRINTED LABELS
LABELLING SYSTEMS • RIBBONS
BARCODING • INKJET SYSTEMS
SOFTWARE SUPPORT
MAINTENANCE**

Weber
PACKAGING SOLUTIONS

Visit www.weber.co.uk
Tel +44 (0)1875 611111
Email sales@weber.co.uk

Flooring Solutions



RESIN FLOORING SPECIALISTS FOR YOUR BUSINESS

Offering bespoke flooring solutions for your business

We offer a full range of flooring solutions, including Epoxy, Polyurethane, MMA and Polyasparic. 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.



Tel: 01530 432790
nick@abacusflooringsolutions.co.uk
www.abacusflooringsolutions.co.uk



Fennell Green & Bates Chartered Surveyors is a 150 years old practice based in Wakefield. At FGB, we specialise in building condition surveys, house structural surveys, project management, town & country planning, coal mining risk assessments, site investigation and remediation of brownfield land.

Fennell Green and Bates have been involved in over 1740 projects over the past 22 years dealing with contaminated land, ground stability issues, phase 1 contaminated desk top studies, phase 2 site investigation projects, coal mining risk assessments and soil sampling for housing, commercial and industrial developments in north of England and the Midlands. Our practice also acts as mineral advisors to several building materials companies and that work has taken our surveyors all over the UK and to Ireland, Europe, Russia, South Africa and Australia to work on a wide range of projects.

At present we are managing the remediation of a glass works tip on behalf of a client for the site to be used as housing after the materials on site have been processed and re-engineered on site for the development platform. We have recently completed the verification of the works for a medium sized housing development in Yorkshire in a former quarry that has been backfilled with engineered fill from site.

Our team is experienced in all types of site engineering and soil management that includes materials testing that can save costs due to the re-use of these soils and a reduction in muck away.



Fennell Green & Bates
Old Joiner's Shop, 59 Oakenshaw Lane
Walton, Wakefield, West Yorkshire WF2 6NJ

Tel: 01924 255666
Mob: 07483 164372
Email: fennellgreenandbates@gmail.com
Website: www.charteredurveyorswakefield.co.uk

Hand Protection

OUR GLOVE RANGE INCLUDES

- ARC**
Primarily developed for electrical ARC flash protection, our range of gloves offer many other benefits.
- IMPACT**
Designed to protect the user's hands from injury if their grip was to slip or tools that are being used fall.
- CUT**
A range of industrial cut resistant gloves that offer comfort to the user and cost effective solutions.
- SPECIALITY**
Our specialist range of gloves protect the user in various environments including cold and chemical-based.
- GENERAL**
The general handling glove range has been made from the best quality materials.
- BASIC**
A quality economy, sustainable range to compete in a market of own-brand price-fighter gloves.

THE FIRST POINT OF PROTECTION

Manosun Hand Protection

A manufacturer and designer of industrial safety products

- Manosun was created during the 2020 global pandemic when industry took an all-time low in productivity
- Located in South Tyneside, the co-creator of the brand has over 16 years of industrial product development and 15 years within manufacturing including Health & Safety
- Our aim is to target the huge UK manufacturing sectors as well as power generation and conservation and offer a quality service, product and development ability, not all solutions can be found off the shelf
- We work with your traditional distribution supply chain so no need to work outside of any contractual obligations, you are free to develop and select your PPE requirements
- Manosun Ltd is also a member of the BSIF a sign and seal of quality and products that fulfil all UK and EU requirements of test and design.

Talk to Manosun for all of your hand protection needs.

Tel: 0191 300 8699
Email: admin@manosun.co.uk
Web: www.manosun.co.uk

www.facebook.com/manosun
 www.linkedin.com/manosun

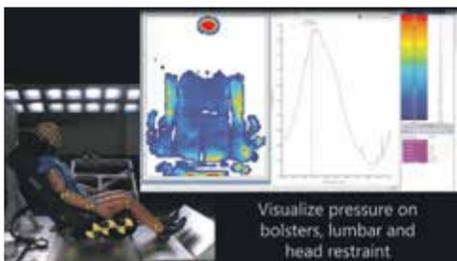


Providing solutions for your force or torque measurement applications

Interface Force is an internationally recognised brand and decades of experience have gone into making Interface manufactured load cells the benchmark for thousands of users around the world, and Interface Force Measurements was established in 1996 by Neil Johnstone.

Based in Crowthorn, Berkshire, Interface Force distributes to the whole of the UK & Ireland, but also overseas, especially into Turkey, Greece and the Middle East. The company is a primary distributor for Load Cells manufactured by Arizona-based Interface Inc., and it also supplies their Torque Transducers, associated electronics, multi-access Load Cells and the XSensor Pressure Mapping systems.

The global Interface Inc. is represented by a large network of distributors outside of the US, and they have requested products that are designed and manufactured in metric, with the precision and accuracy of all Interface products. These products are designed for an international buyer and user, and all specifications are in metric specs, a global standard for force measurement products.



Interface Force work mainly with aerospace, automotive, and motorsport companies, and Business Development Manager Tony Rokins told us, "We work closely with companies which are undertaking research into product development, and so this includes universities and also medical companies who need load cells for weighing saline bags – we have a very wide and varied client portfolio."

In this crowded industry, Interface load cells and torque sensors have a hard-won reputation for reliable, accurate and repeatable test results. The range of pressure sensors and pressure mapping systems from industry leaders GP50 and XSensor back this reputation.

Tony continued, "With regards to force measurement, our load cells are preferred by aerospace companies because they are highly accurate, and the results are very repeatable. Also, the devices themselves are extremely reliable and so they are looked on very favourably by both automotive and aerospace manufacturers in particular."

Interface Force is currently re-launching its XSensor High Speed Pressure Mapping System – the company offers a range of pressure mapping systems that can be applied to anything from impact testing to pressure testing tires, runways, beds, seats and much more. The XSensor system is the first system design to allow product designers and safety testing engineers to see, record and evaluate the distribution of force from high-speed impacts on safety equipment such as helmets and body armour.

The system is particularly popular with automotive and aerospace seating manufacturers as evaluating the performance of helmets and other protective equipment designed to prevent injury requires detailed understanding of the pressure distribution on the body surface during dynamic impacts. XSensor's high speed HS Impact system combined with the thin conformable sensors allows customers to accurately measure those pressures and evaluate how different design configurations affect pressure distribution on impact.

In addition to this, the system is also used by manufacturers of office seating, companies that develop seating for the home, and bed manufacturers.

In spite of its success in the industry, Interface Force is very much looking to future development. Tony informed us, "We are building new Applications which are based

around renewable energy, and we are also developing Cloud-based, Wifi and Bluetooth data acquisitions by making our devices wireless. This would mean customers being able to collect data from anywhere in the world via an App."

This ever-growing comprehensive range of indicators, signal amplifiers, data loggers and wireless transmitters

has been designed to complement the extensive range of load cells, torque transducers and pressure sensors, and the range has developed to ensure that customers have access to the most accurate, up-to-date, and cost-effective devices available.

Another new development is in the Airport environment, where Interface Force have begun to provide wireless

monitoring of equipment on, for example, luggage carousels, and this product among many others have helped Interface Force to have a very successful past 12 months especially.

For more information, please see below:
T +44 (0)1344 776666
info@interfaceforce.co.uk
www.interfaceforce.co.uk

INTERFACE

LOAD CELL, TORQUE AND PRESSURE SENSOR SPECIALIST



Automotive R&D

Whatever you need to measure We have the sensors



FORCE • TORQUE • PRESSURE



+44 (0)1344 77 66 66



info@interfaceforce.co.uk



www.interfaceforce.co.uk



LAUDA: Experts in Thermal Control and Measurement

LAUDA: Experts in Thermal Control and Measurement Providing Innovative Solutions for Thermal Process Control, Chilled Water Applications, Water Baths, Freezers, Incubators, Shakers, Stills, Tensiometers, Viscometers and Contact Angle Measurement.

LAUDA continues to provide an expanding range of feature-rich, future proof solutions with energy efficiency and connectivity front of mind, serving a diverse range of industries

including chemical, pharmaceutical, biotechnology, oil and gas, composites, automotive, aerospace food & beverage, brewing, digital printing, laser and beyond.

Since 1956, LAUDA has been developing, manufacturing, and supplying reliable precision measuring instruments that have become firmly established worldwide in research, teaching and quality assurance. We are here to assist with your application needs, from

measuring instruments for determining the viscosity of polymer solutions, to optical contact angle measuring instruments for measuring the free surface energy and the wetting behaviour, through to classic tensiometers for determining the surface and interfacial tension of oils and surfactants. For decades, well-known clients from all over the world have come



to rely on LAUDA measuring instruments, which bring together precision, reliability, and longevity, along with extensive experience in sales and service to provide the very best levels of product support.

T +44 (0)1780 243118
info@lauda-technology.co.uk
www.lauda-technology.co.uk

RFID Solutions & Asset Management



EXPERTS IN PRECISE TEMPERATURE CONTROL
 Industrial & Laboratory Solutions



Process Circulators • Chillers • Shakers • Incubators • Freezers
 Viscometers • Tensiometers • Stills • Contact Angle Measurement

Please telephone +44 (0)1780 243118
 info@lauda-technology.co.uk
 www.lauda-technology.co.uk

°FAHRENHEIT. °CELSIUS. °LAUDA.




Everything RFID in One Place

We are experts in helping businesses improve efficiency through RFID solutions. RFID, which stands for Radio Frequency Identification, is a technology system that can identify an object using radio waves. At TEC-RFID, we believe RFID will bring big advances to retail, warehousing, manufacturing, construction and more. We make it as simple as possible.

Contact us for more information by emailing info@tec-rfid.co.uk or visit www.tec-rfid.co.uk

Manage Your Assets with RFID



Major operations involve hundreds or thousands of different assets and it's easy for valuable equipment to be misplaced or lost. Taking inventory of your assets is a time-consuming and sometimes inaccurate process. That's where RFID Asset Management comes in. With all of your assets monitored by RFID tags and readers, you can know exactly what equipment you have available in real-time. That information helps prevent losses and helps you make informed business decisions. But the benefits don't stop there.

With RFID, you can track not only the location of the asset, but also its condition. RFID tags enable you to instantly see when equipment was last inspected and when it's due another inspection or to be replaced. This reduces downtime because you can repair or replace important equipment at the right time. It also streamlines your maintenance process.

Automation




OnRobot Palletizer

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

Vikram.kumar@onrobot.com




You can also track the movement of assets, so you get alerts when a piece of equipment has left its designated area. People can also be tagged with RFID bracelets, which can be vital when moving heavy equipment, to improve safety by ensuring each worker is out of the way.

RFID Asset Management is a solid investment for any business that has a lot of valuable assets to track. Benefits of RFID Asset Management include:

- Gaining real-time visibility of your assets
- Saving time over manual stocktakes
- The ability to locate assets using RFID
- Tracking the movement of assets
- Improving maintenance
- Improving compliance

Examples of companies who have used RFID to gain a great ROI with asset management include a US government agency, which tracks 250,000 assets with 100% accuracy. They have reduced their stocktaking time by 80% and achieved a positive ROI in 18 months. Another example is a technology company that stocktaking used to take two weeks and it now takes just four hours and they have increased their inventory accuracy from 46% to 99.8%.

If you have valuable fixed assets and are having trouble keeping track of them, an RFID asset management solution can not only save you time with manual tracking, but also save you money by reducing lost assets and improving maintenance.

RFID Asset Management is suitable for large or small businesses, with flexible monthly plans available.

Ready to get started with RFID asset management? Contact TEC-RFID for a free consultation and online demo.

TEC-RFID
T 0844 870 7873
info@tec-rfid.co.uk
www.tec-rfid.co.uk

Events & Whats On

Event hosting with Rutland Farm Park

Rutland Farm Park is a small family owned, 18-acre working farm based in the quiet and peaceful market town of Oakham, the county town of Rutland which is renowned as England's smallest county. Offering visitors a glimpse into its rich history, with original Victorian farm yard and buildings.

The park is home to various farm animals including, animals like Mr Tom the Shire Horse and Highland and Hereford Cows. In fact, the park is home to many varieties of

animals, these include: sheep, guinea pigs, goats, pygmy goats, pigs, rabbits, cows, ponies, chickens, geese, alpacas and many more.

Fun for everyone, the Park offers full year round access, with ample amounts of fun, family activities to enjoy. Whether it's a tea and cake at its onsite tearoom, meeting its farm animals or exploring the parks' tracks; Rutland Farm Park is your friendly host for a wonderful day out.

Another development for the park, is the launch of its deli fridge, offering a broad selection of local produce and environmentally sustainable produce to purchase. Consisting of produce including: artisan cheese, meat and sweet treats, Rutland Farm Park has a selection of delicious products on offer.

With all this on offer, Rutland Farm Park is the perfect place to visit this summer and is a great way to support a small, traditional,

family run farm. Julie added, "Come and see us! We've been told that we are the childhood farm you always imagined and not a manufactured plastic attraction. We are the typical farm you think of as a child, higgledy-piggledy, friendly with lots of animals roaming and fun to be had."

For more information, please see details below:
T 01572 722122
www.rutlandfarmpark.co.uk



Unique Woodland for any corporate event in an AONB



Nestled in the idyllic East Devonian countryside is Boveys Down Farm, a quiet and rural retreat offering Woodland Weddings, glamping (March – September) and year-round camping.

Boasting stunning views of the Farway Valley in an AONB, Boveys Down Farm is situated a few miles from the Jurassic coast, and no more than 15 minutes away from beaches, pubs, shops and restaurants, making it secluded yet conveniently close to everything you could need for a camping break.

Five years ago, the farm became a fully licensed venue for weddings and civil ceremonies. We had the pleasure of speaking to Pam about what makes Boveys Down Farm the perfect venue for your special day.

Indeed, the Woodland Pavilion used for the ceremonies is situated in a small area of woodland, close by to the indoor barn and commercial kitchen. Beautifully presented with careful attention to detail, the pavilion blends perfectly into its surroundings and boasts plenty of room for the ceremony.

What's more, there is the option of booking part of or the entire site for the exclusive use of your wedding party, and Boveys even offers a bridal suit consisting of two luxury glamping tents joined together.

If you would like to find out more information on booking a camping trip at Boveys Down Farm, or hiring it as a beautifully unique wedding venue, head to their website or get in touch using the contact details below.

Contact
T 01404 871436
info@sweetlands.co.uk
www.boveysdownfarm.co.uk

Machine Knives

CAMB MACHINE KNIVES

"A Cut Above the Rest"

Our range includes many types of blades, but not limited to:

- ANVIL
- BAGGING KNIVES
- BOTTOM KNIVES
- CARPET KNIVES
- CIRCULAR KNIVES
- CONFECTIONERY KNIVES
- GRANULATOR KNIVES
- POULTRY PROCESSING KNIVES
- POULTRY UTILITY BLADES
- STRAIGHT KNIVES
- TOBACCO KNIVES
- TOOTHED KNIVES
- TOP DISHED KNIVES
- TRAY FORM KNIVES
- COFFEE GRINDER BLADES (INSTANT COFFEE)

We have been supplying our knives worldwide for over 30 years.

We deal with carrier and freight companies so we always remain competitive for price on any destination.



CAMB MACHINE KNIVES INTERNATIONAL LTD

Tel: 01454 322178 | Fax: 01454 321172

Email: sales@camb-knives.co.uk

www.camb-knives.co.uk

MANUFACTURERS AND DISTRIBUTORS OF MACHINE KNIVES TO ALL INDUSTRIES



ERG (Air Pollution Control) Ltd cleans up

The ERG group has over 40 years' experience and operates through three divisions. The powerhouse of the group is the first of these, ERG (Air Pollution Control) Ltd. This division has highly qualified and experienced teams of chemical, mechanical and electrical engineers who, together with design engineers, project managers and procurement professionals, design and supply bespoke gas scrubbing systems and odour control plants to meet their clients' requirements.

ERG solves the full spectrum of gas cleaning challenges

facing its clients; whether it is a requirement to remove foul odours from air under ambient conditions prior to release into the atmosphere, right up to scrubbing streams of process gasses at high temperatures, high pressures, or in explosive environments to remove toxic or aggressive pollutants. The level of technical sophistication and bespoke engineering content is each project is specific to the clients' needs, with industrial applications typically demanding the highest processing technology.

The commercial driver leading clients to invest in ERG's systems might be a pressing requirement to comply with government regulations or with the emission limits set in an operating licence issued by an appropriate agency. For other clients, ERG's expertise is often sought to clean up gas streams that form an integral part of the client's production process. For example, in the green energy sector ERG's systems purify biogas or syngas that they have generated, so that the client's process runs more efficiently with lower pollution levels. In some

cases, ERG's gas cleaning systems can even generate by-products, which become value added saleable side-streams.

Based in West Sussex, ERG has grown its business strongly over the years to build up a global sales network and client base.

An office in Jordan services ERG's business throughout the Middle East region, and is fully staffed with design engineers, project managers and local sales managers. A satellite sales office in Dubai completes the Middle East structure.

Industrial Processing

ERG (Plastic Fabrication) Ltd is the manufacturing division for the group and specialises in the high-quality custom fabrication of tanks, vessels, pipework and ducting from GRP and composite



plastic materials, and which are used in the systems designed by ERG (Air Pollution Control). ERG (Plastic Fabrication) Ltd also welcomes commissions direct from 3rd party customers. It has a vast arsenal of services to offer clients, and has specialist experience in manufacturing using a wide range of plastic materials including PVC, CPVC, Polypropylene, PVDF, and other specialty plastics for harsh environments such as ECTFE.

Finally, the group includes ERG APC Maintenance Ltd. This division's mission is to provide servicing and maintenance support to customers throughout the lifetime of their air pollution control system. Service



can be provided under contract to include a routine preventative maintenance servicing schedule designed to maintain system performance. Alternatively, maintenance can be provided on an ad hoc basis as and when required.

All three-company divisions are now based in superb new purpose-built office and factory facilities in West Sussex, which were completed in 2021. Having all divisions on the same site significantly enhances working efficiency, design quality, production quality, and production capacity.

Looking to the future, the ERG group will continue to develop its presence both within the UK and internationally in the renewable energy sector in the field of treating syngas and green hydrogen; and in automotive battery manufacture where its systems treat ammonia, acid gases and particulate pollution arising from the manufacturing process. In addition, ERG will continue to serve clients in the chemicals, pharmaceuticals and other process industries, as well as continue to build on its strong presence across the Middle East.

For more information, please contact ERG (Air Pollution Control) Ltd at:
T 01403 290 000
info@ergapc.co.uk
www.ergapc.co.uk



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

Homely, friendly and relaxing feel – The George



Situated in the picturesque village of Orton, The George is a traditional Country Inn and Pub nestled on the border of the Howgills and the Eden Valley. As a family run business, visitors to The George can expect nothing less than a warm, friendly and comforting welcome.

The George maintains eight rooms on its premises, providing Bed and Breakfast at extremely reasonable prices. The rooms include single, double/twin and a family room. All rooms contain a TV and have tea and coffee making facilities. Specifically designed to provide a 'home away from home' feel, all of The George's rooms feature comfy beds and a warm, homely feel making them perfect for a snooze after a long day of exploring the nearby attractions.

If you would prefer a night under the stars, The George also has camping facilities for up to 4-5 tents from £5.00 per pitch. Campers will have full use of a bathroom/bath for an additional £6.00 per person and meals are available in the bar and restaurant.

The George is a well-known stop off point that is used for short stays by ramblers, cyclists and keen travellers throughout the country. Guests have recommended The George giving five-star reviews of their stay. Its services have remained of the highest quality for many years, which is why customers keep coming back. One reviewer quoted, "We have stayed here several times over the last few years. Bronagh and Andy couldn't be more helpful, the food is great, and the rooms are comfy. It's a great pub in a beautiful part of the world." Another guest commented, "We have been doing the Coast to Coast walk and had a great stay at The George. Everything from drying our soaked clothes, to good beer and food, nothing was too much trouble for these amazing hosts." As mentioned here in this review, The George also offers a laundry and drying service just in case its guests are lucky enough to get caught in the Lakeland rain. Furthermore, there is also a secure overnight bike storage for cyclists.

After a long day of either exploring the beautiful surroundings of Orton, or battling the diverse weather conditions the Lakeland has to offer, nothing beats a traditional, hot, home cooked meal in a friendly, cosy country pub.

Producing an enviable selection of traditional real ales and home cooked food using locally sourced produce, The George's menu is an unmissable experience. The George prides itself on using local produce, sourced from within a 20-mile radius of the George Hotel. Offering an abundance of traditional pub grub dishes, alongside its selection of drinks, The George has some delicious menu options to tantalise your tastebuds. For starters, guests can enjoy options such as a bowl of Home-Made Soup of the Day with crusty bread, or a loaded plate of Cheesy Nachos with sour cream and salsa.

For mains there is an array of dishes that cater to all dietary requirements and tastes including Cumberland Sausage Curl topped with Fried Egg, Mixed Bean Chilli served with rice and nachos, Vegetable Burger topped with cheese in a brioche bun served with chips and coleslaw, the Classic Lakeland Beef Burger topped with cheese and bacon in a brioche bun served with chips and coleslaw, or if you fancy something to really get your teeth into the 12 oz Sirloin Steak topped with creamy mushroom sauce served with chips or mash and salad or veg will more than leave you satisfied.

The George also offers a range of homemade pizzas with a gluten free base option and a selection of toppings. There is also a selection of light snacks for brunch or for those want a quick meal such as Baguettes & Melts, Jacket Potatoes, and Bacon & Egg Baps. Furthermore there is also a children's menu as well as a takeaway menu to which all meals are under £7.00.

Being perfectly positioned, Orton is just three minutes from the M6 Motorway (Junction 38) and is four scenic miles from the M6 Motorway (Junction 39).



There is plenty to see in terms of its surroundings and The George is also on various Coast to Coast and cycle routes including Alfred Wainwright's 'Coast to Coast' walk and Walney to Wear & Whitby Cycle Route (W2W).

The W2W route passes through a variety of wonderful countryside to the South. It stretches between Walney Island, just outside Barrow-in-Furness on Cumbria's Irish Sea coast, and both Wearmouth in Sunderland (153 miles) and Whitby (172 miles) on the North Sea coast.

Additionally, The George is also now on the new re-routed Lakes & Dales Loop which is a 196-cycle loop which covers the Lake District, West Cumbria, Eden Valley, Morecambe Bay & the Yorkshire Dales.

There is a number of local delicacies and businesses to visit and try such as Kennedys Chocolate, a fine chocolate coffee house and factory shop, Orton Farmers Market, where local farmers, producers and artisan craftsmen all offer a tremendous variety of high quality, local and

speciality produce on the second Saturday of each month, and Bessy Beck Trout Fishery, a local and well respected Trout fishery that includes three well stocked lakes catering for experienced anglers, with tuition and advice available on request for the less experienced, as well as a tea room, gift shop and farm shop onsite.

For more information please see details below:
T 01539 624071
www.thegeorgehotelorton.co.uk

Air Quality, Noise & Vibration



We are one of the UK's leading niche environmental consultancies, specialising in air quality, noise, vibration, lighting, flood risk assessment, contaminated land, daylight & sunlight assessment and Environmental Impact Assessment (EIA). Our standards of EIAs, technical reports and planning proposals ensure you get the most robust and reliable results. ACCON UK's wealth of experience and efficiency enables us to produce cost-effective air quality, noise and EIA reports for our clients. We maintain a wide range of noise, vibration and air pollutant measurement equipment to ensure the very best outcomes for our clients.

We offer focussed solutions for all our clients provided by our team of experts, all of whom are specialist environmental assessment consultants and are up-to-date with the most relevant and latest revisions to the planning system.

Contact ACCON UK today to discuss your individual requirements with one of our consultants.

Our range of sector expertise includes:

- Major Infrastructure Projects
- Transportation – Road, Air and Rail
- Residential and Commercial Development
- Sports Stadia and Recreational Facilities
- Industrial
- Energy and Wind Farm Developments
- Mining and Quarrying
- Petro-Chemical



Tel: +44 (0)118 971 0000
enquiry@accon-uk.com
www.accon-uk.com

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



What's become clear after the COVID-19 is that resilient businesses share common traits.

These companies can react quickly and decisively to protect workers while keeping business running. They can adapt processes and product lines, often using flexible collaborative automation to make those changes efficiently and cost-effectively. They begin to look into the future, so they can adapt and position themselves for the "new normal."

When the first robot applications appeared, the advantages were quickly recognized. This made collaborative applications the fastest-growing segment of the robot market, which is still expected to continue. Therefore, the move to automation is not unusual. Why?

Collaborative application solutions are fast, easy and affordable for efficient and productive processes during and after a crisis. Furthermore, the collaborative applications solutions give several opportunities. What does automation do other than being a productivity tool? One key advantage is that it gives the manufacturers flexibility, and this help ensure the wellbeing of the workers.

By automating undesirable tasks, the company can put employees into higher-value and more desirable positions. During and after a disruption, collaborative automation keeps production running while skilled workers focus on jobs where their unique capabilities provide the most value.

Manufacturers need to assess their own supply chains and ensure that they have continuity plans in place. When supply chains are at risk, manufacturers must look for other ways to make sure that their supply chain is safe. In other words, they move their focus, and look for other solutions.

So, what's next? For the first time in modern manufacturing history, demand, supply and workforce availability are affected globally at the same time. The changes manufacturers make now will help define whether they emerge as a resilient business that finds new ways to grow and succeed through the crisis and whatever comes next. Collaborative applications present manufacturers with new opportunities to build resilience and adaptability in productivity, competitiveness, and workforce.

All the answers can be found in our White paper. Download it via the QR code and learn more today about the "new normal" in automation.

OnRobot A/S

+45 53 53 57 37
sales@onrobot.com



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.

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.

Contact
<https://onrobot.com/en>



Hoists

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.

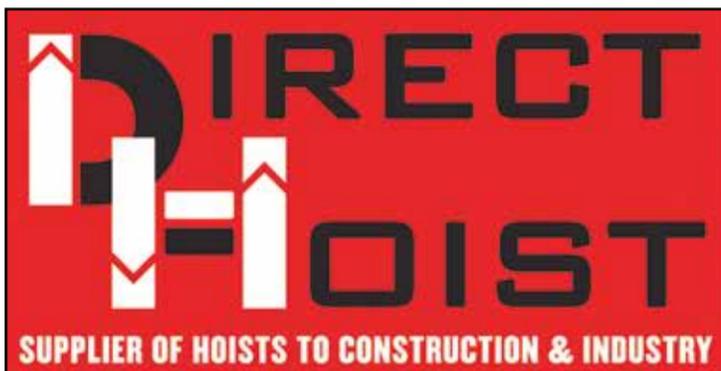


Direct Hoist's vast expertise is equalled only by the firm's impeccable reputation for safety. Direct Hoist's long association with up-to-date German GEDA machinery has now been boosted by becoming the UK distributor of Electroelsa construction hoists and platforms – an Italian brand with market-leading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



- ▲ APPROVED GEDA AGENT
- ▲ HOIST HIRE
- ▲ CONSTRUCTION HOIST SALES
- ▲ HOIST SERVICE/REPAIR
- ▲ HOIST PARTS/SPARES
- ▲ GEDA SERVICE CONTRACTS

Gitb

CPA

Construction

iosh

CHAS



01724 781647 ▲ 0113 819 9997 ▲ 0191 260 0543 **DIRECTHOIST.CO.UK**

Manufacturing & High Speed Press Technology

EUROPEAN

SPRINGS & PRESSINGS

LESJÖFORS
Global mind. Local heart.

Complete service support from design to manufacture

We offer full design and production of standard and bespoke metal components in a comprehensive range of materials.

Our products range from tension, extension, compression, torsion and gas springs, to wire forms and metal pressings.



For all enquiries please call us on: +44 20 8663 1800
or email us at: sales@europeansprings.com

People Power

EUROPEAN SPRINGS & PRESSINGS

Staff are our greatest resource, ensuring that our clients receive first class engineering expertise as well as manual production options.

At European Springs & Pressings, we invest in people. The versatility and precision of modern machine manufacturing requires ever more skilled engineers, with specified training to ensure that the technology is fully exploited. We ensure that our machine operators have the expertise and development opportunities to offer the most cutting edge service for our clients.

Even as the manufacturing industry moves towards ever greater automation, human scale manufacturing still has

an important role to play. Skilled manual workers provide versatility and enable us to offer cost-effective solutions for short order and low production jobs, which may lead on to full production runs.

We actively support development through in-job training and apprenticeships, which combine classroom instruction and on-the-job training, offering the opportunity to gain the knowledge, skills, and experience apprentices need to achieve an industry-recognised City & Guilds or BTEC

qualification, and become a qualified engineer, at which point most are offered full time positions.

It is the combined knowledge, experience and creativity of our engineering talent that enables us to offer truly innovative, competitive solutions for our clients' manufacturing needs.



Sensing & Control Devices

Revolutionizing Precision and Control:
The power of encoder technology.

Whether you're in robotics, automation, or medical equipment, encoder technology gives you the power to make smarter decisions and optimize performance.

Over
50 years
of experience



**BRITISH
ENCODER**
PRODUCTS COMPANY

W: www.encoder.co.uk
T: +44 (0)1978 262100
E: sales@encoder.co.uk

Clean Air

Breathe easy

with industrial air purification from Zehnder

In times where clean air is more important than ever, Zehnder's air cleaning solutions are a key factor in protecting your employees and equipment. They complement existing ventilation like LEV perfectly and flexibly to remove welding fumes, oil mist, dust and toxic gases.

And the best part: Zehnder takes care of all filter changes and maintenance.

Get in touch to request your personal air cleaning offer.

Transform your business for the better

Industrial air purification has many advantages, such as:

- Healthy and safe employees
- Reduced cleaning costs (-70%)
- Less Maintenance
- Exceed customer expectations
- Improved product quality



Ben Simons, Head of Europe West:
+44 (0)7909 533878
info@zehnder-cleanairsolutions.com
www.zehnder-cleanairsolutions.com

[in](#) [f](#) [t](#) [v](#) [y](#) [t](#) [w](#) [h](#) [a](#) [h](#) [h](#) [a](#) [i](#) [r](#)



Contact
T 0208 663 1800
info.bec@europeansprings.com
www.europeansprings.com



Leaders in measurement of Nitrogen Oxides



ECO PHYSICS AG has a global presence with its main HQ based in Dürnten, Switzerland, and two other offices in Germany and the United States. Since 1989, ECO PHYSICS AG has been at the forefront of the environmental, health and process control industry. Its ECOlogical leadership combined with its passion for innovation ensures the company remains dedicated to sustaining the environment through all of its business activities.



The company offers sophisticated solutions for a range of applications including Medical, Semiconductor, Automotive, Aviation, Marine and Combustive Engines, Industrial, Environmental, Ambient Air and Research, and NO liquids. ECO PHYSICS AG offers innovative analytical solutions for measurement of nitrogen oxides and related gas components like ammonia, in the fields of environment, health and process control and by using its interdisciplinary research and development team, it can also deliver customer oriented, tailor-made products and services.

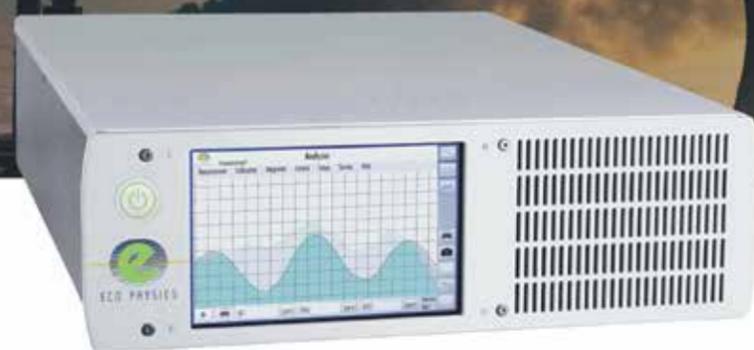
ECO PHYSICS AG is highly involved in the Industrial industry and places a large focus on medium NO_x, NO_x-related and multigas-concentrations up to 5,000 ppm where flexibility is a central requirement. Its range of Modular Gas Analyzers include parameters for NO, NO₂, NO_x, NH₃, NO_x-amines, O₂ and CO₂, and typically support applications for industrial emission monitoring and gas manufacturing control. Marked as the industry's finest, their graphical user interface enables a simple operation and shows the performance of each component, as well as being equipped with their own PCB, corresponding with the mainframe.

For more information, please see below:
T +41 55 220 22 22
info@ecophysics.com
www.ecophysics.com

Industrial Emission Monitoring & Gas Monitoring

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
- "Toggle mode" NO₂-feature for One-Channel instruments
- Intuitive graphical user interface
- Internal data logger and status recorder
- Remote operation/control, Power DOWN/UP
- USB, HDMI, LAN/WLAN, Bluetooth, RS-232, Analog I/O



ECO PHYSICS AG · POB · CH-8635 DUERTEN · TEL +41 55 220 22 22 · FAX +41 55 220 22 55 · E-MAIL INFO@ECOPHYSICS.COM · WWW.ECOPHYSICS.COM

BUILDING UPDATE

ISSUE: 663 March | www.solutionspublishing.co.uk

THE COMPLETE PROJECT MANAGEMENT SOFTWARE

- 90% OF THE PROCESS AUTOMATED
- DESIGN
- FINANCE
- CONSTRUCTION
- HEALTH & SAFETY
- CONTRACT ADMINISTRATION
- PROGRAMMES
- COLOUR CODED GUIDANCE

www.elevate-software.co.uk
01962 761693 | steve@elevate-software.co.uk

Watlow reflects on 2022

2022 has lots to be remembered for, challenges and triumphs. But for electric heating element manufacturer Watlow, it's been highly significant year in the company's journey to date. Here Johann Lainer, Marketing Communications Manager Europe at Watlow, reflects on the company's achievements in 2022.

100 years in the making
Halfway through 2022 marked Watlow's 100 year-anniversary. The company, which was founded in 1922 in Missouri, USA, is now a global electric heating specialist with over 1,000 patents and 4,200 employees working across locations in North America, Asia and Europe.

Watlow began manufacturing electric heating elements for the shoe industry, before widening its product offering in the 1930s to introduce electric immersion heaters to replace steam pipes and fire-hazardous gas. Then, in the 1980s, Watlow expanded its global reach with the opening of sales offices in Italy, France, the UK and Taiwan.

Since its founding in 1922, the company has developed into a highly regarded industrial heating technology manufacturer, holding more than 1,000 patents and employing over 4,000 people working in nine manufacturing facilities and five technology centres across three continents. Additionally, Watlow gains sales coverage in 178 countries and, most recently, opened a facility in Cebu, Philippines in October 2022 to support local customers focusing on energy and environmental technologies.

Eurotherm acquisition
In June 2022, Watlow announced it had signed an agreement to acquire Eurotherm® from Schneider Electric, the global leader in the digital transformation of energy management and automation.



Eurotherm is a premier global provider of temperature, power and process control, measurement and data management equipment, systems, software and services for global industrial markets. The company's headquarters are in Worthing, UK, with core manufacturing operations in Łędziny, Poland, and a headcount of about 650 people worldwide.

The acquisition completed in November 2022, with Watlow's CEO, Rob Gilmore saying, "We are excited about Watlow and Eurotherm and all we will accomplish together. This acquisition aligns with our vision of providing innovative thermal products and technologies that help increase our customers' competitive advantage. The combination of Watlow and Eurotherm products and technologies will create new global opportunities for our collective customers and allow us to focus our advanced thermal systems in important areas."

On reflection, 2022 was promising for Watlow, which continues to make waves in the industry demonstrating why electric heating technology is key in reducing emissions. Here's to 2023!

www.watlow.com



Carlisle Construction
see them on.....III



Clarke Construction
see them on.....III



Delta Tower Cranes
see them on.....V



Checked Safe
see them on.....VI



Tuff Waterproofing
see them on.....VIII



Vandercastele
see them on.....X



Service Sealing Solutions
see them on.....XV

Intuitive Temperature Controller Enhances the User Experience

- Intuitive menu flow
- Bluetooth® connectivity with EZ-LINK™ mobile app for remote access capability
- Load exactly the right settings every time
- Supply updated settings to customers quickly and accurately
- Access settings in hard to reach controllers

Powered by Possibility

Contact your local Watlow representative or visit www.watlow.com to find out more

Improved User Interface

Sewage Treatment Systems

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.

Ground Source Heat Pumps

We are award winning installers of Open-Loop 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.



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

Sustainable Building Materials

Ecomerchant: Ethical. Healthy. Sustainable



Established in 1998, Ecomerchant is an independent employee-owned business, which has been at the forefront of sustainability for 25 years as a leading supplier of sustainable building materials. Based on the core values of ethical trading, healthy materials and sustainability, Ecomerchant has built up an excellent reputation as a provider of sustainable construction materials, with a large and loyal customer base, Ecomerchant is helping to ensure that we all can build healthier, energy efficient and more environmentally sensitive buildings.



A family house built with naturally insulated passive panels (NIPPs) constructed to passive levels of airtightness and energy efficiency, the complete construction is made using natural and sustainable materials. Image courtesy of Kithurst Builders.

Ecomerchant supplies a vast range of products and materials including insulation, airtightness, sheathing and sarking boards, timber windows & doors, lime and clay plasters and renders, natural paints, renewable energy products, water-saving and off-grid systems, groundwork and landscaping materials and so much more all chosen to help create healthier and more energy efficient homes, schools and workplaces.

Over the past few years, Ecomerchant has seen an increase in the demand for natural alternatives to many building materials, many natural materials outperform their modern synthetic alternatives but without the unwanted environmental consequences. Ecomerchant has developed a range of solutions and products offering higher energy performance and building efficiency with minimal impact on the environment.

All of Ecomerchant's products are chosen for their ability to eliminate, reduce or significantly improve environmental performance, improve building health and reduce running costs.

Visit Ecomerchant's website to see the huge range of products and discover a wealth of information both general and technical to help you decide what is best for you; many products are available to buy online. Ecomerchant's knowledgeable and helpful staff will be happy to price your enquiry, answer technical questions, take orders or provide quotations.

T 01793 847444
sales@ecomerchant.co.uk
www.ecomerchant.co.uk



The COP 26 House co-sponsored by Ecomerchant and built for the Glasgow COP is an all-timber construction with no steel, concrete or plastics used in its construction. Insulation is Steico wood fibre, heating by Herschel infrared panels. The COP26 House beats the RIBA 2030 Challenge carbon target by a substantial 22%

ecomerchant
sustainable building materials
from foundation to ridge

Creating quality low energy architecture requires a dedicated, knowledgeable team from initial concept right through to finishing touches. Ecomerchant are key part of that team for Charlie Luxton Design. Our values align, creating good buildings that perform and last whilst respecting our environment.

Charlie Luxton
Principal
Charlie Luxton Design

www.ecomerchant.co.uk
email: info@ecomerchant.co.uk
call: 01793 847 444
ETHICAL · HEALTHY · SUSTAINABLE

With over 30 years experience, we offer bespoke solutions for the domestic market across the South East. Feasibility of a project can usually be determined with a site postcode.

COVID-19 SAFE WORKING

AWARD WINNING RENEWABLE HEAT INSTALLATIONS
Open-Loop Ground Source Heat Pumps could meet all hot water and heating needs by utilising ground water as a heat source.
Ideal for installation in new or self-builds.

WATER SUPPLY & SOAKAWAY BOREHOLES DRAINAGE SOLUTIONS
Independent water supply for irrigation or consumption*
Soakaway drainage fields and other drainage solutions
*subject to analysis and suitable filtration

SEWAGE TREATMENT SYSTEMS
We can provide package plant or bespoke systems
All systems are designed to meet the needs of individual clients and comply with strict discharge legislation.
Servicing contracts are offered on all installations.

HD SERVICES LTD

enquiries@thehdgroup.co.uk | 01494 792000 | www.hdservicesltd.co.uk

Construction Finance

SME funding UK | Helping you to find the right funding, right now.

Are YOU looking for Construction finance?

SME funding UK Ltd is a business finance broker. We help our clients find the right funding, right now! We can place most business finance requirements, including:

Asset Finance • Cashflow • Invoice Finance • Loans • Property Finance

We can help with new and/or used:
Equipment • Tankers • Tools • Trucks • Vans • Yellow Plant

We can also help with:
Bridging • Buy to Let • Commercial Mortgages • Property Development

Our clients tell us that we save them both time and money!

We are directly authorised by the FCA (FRN: 772970) and always act ethically to get the best deal for our clients. Please contact us if you would like to discuss what options may be open to you and we can have a free of charge, no obligation chat.

Consult the experts, contact SME funding UK Ltd today.
01223 848 844 | henry@smefunding.uk | www.smefunding.uk

Your home is at risk if you do not keep up repayments on a mortgage or other loan secured on it. SME funding UK Ltd is a broker, not a lender and can introduce you to a number of finance providers based on your requirements and credit rating, we may receive a commission for such introductions. All finance is subject to application and formal credit approval.



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, pampments, 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.

T 01787 269232
www.bulmerbrickandtile.co.uk



THE BULMER BRICK & TILE COMPANY LTD

The Brickmaker's Tale
By Peter Wood
Order your copy here today

Bulmer bricks are made from the finest London Clays, dug from our seams almost continually since Tudor times. All Bulmer bricks are hand made, using traditional methods of making, drying and are fired in a coal burning, down draught kiln. We are a small family business continuing the traditions of brickmaking on this site dating back to the Middle Ages.

We work on large projects for the National Trust, English Heritage and Historic Royal Palaces, but are just as proud of some of the small private work undertaken by individuals.

The Brickfields, Bulmer, Sudbury,
Suffolk CO10 7EF
Tel: 01787 269232
Fax: 01787 269040
Email: bbt@bulmerbrickandtile.co.uk

RESITRIX

HERTALAN

ALUTRIX

ARBOFLEX

ARBO

Waterproofing solutions for
flat roofs, facades and buildings

For trade, sales and distribution enquiries
Call: 01623 627285
Email: info.uk@ccm-europe.com

www.ccm-europe.com

Roofing

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.

The market leading advantages of Resitrix® is the unique combination of materials: the synthetic rubber EPDM and polymer-modified bitumen – making it a durable hybrid membrane. Our extremely flexible, single-layer waterproofing membrane can thus be applied on almost all substrates. The membranes are welded together quickly, easily and safely using a hot-air device without any need for naked flames," stated Shail Chauhan, Marketing Manager.

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: <https://academy.ccm-europe.com/en>

Allowing for change creates space for continuous growth and a new perspective. We have recently strengthened our sales and distribution network covering the UK and the ROI market. We have also welcomed a few new members to our sales team, Charlie Patrick and Crawford McAllister. Charlie looks after our Eastern region and Crawford looks after the North and Scotland.

With ambitions to continue their impressive growth, CCM Europe plans to keep collating together more opportunities for further development. As a dynamic company that aims to support and motivate its people as much as possible, it is continuing to review and develop new products all the time.

T 01623 627285
info.uk@ccm-europe.com
www.ccm-europe.com

Steel Construction

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



SAFETY
SCHEMES IN
PROLIFERATION



Environmentally friendly plastic lumber

At Building Update, we are proud to announce that we have selected Kedel as the recipient of our Commitment to Excellence Award for its ongoing efforts in producing eco-friendly plastic products for a more sustainable future.

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 Dermot who explained what commitment to excellence means to them and how they feel they achieve it. "Commitment to excellence is an attitude towards work. You're only as good as your weakest link, so we try to give our staff an autonomous responsibility around servicing our customers and through this we are achieving service excellence."



Because of this, people can make quicker decisions and our customers end up 100% satisfied much quicker. Eco-Friendly Plastic is what we do. Not many people believe plastic can be green but it can. We manufacture plastic wood made from waste polystyrene, and are also suppliers of many other types of recycled plastic profiles from other manufacturers, which allows our customers to keep their carbon footprint down. We maintain excellence throughout our business through our sustainable products, sustainable supply chain and sustainable manufacturing policy."

Winners of the Feefo Trusted Service Award, Kedel's range of recycled plastic lumber reflects the future of the construction industry. From plastic fencing pales and edging board pegs to round posts, boards and



planks, tongue & groove planks, decking, and so much more, Kedel's extensive product range comes with a number of benefits. Of course, the largest advantage of plastic lumber in general is that it does not rot, absorb water and is highly resistant to damage. This much more versatile material means it has a life longevity to be placed in all weathers and climates making it a perfect material for use in construction, leisure, education, gardens and any water applications.

Some could claim that plastic wood is bad for the environment, however, Kedel would argue that yes, initially the cost of plastic wood may be higher but the outcome is that you have a product that will last a lifetime due to its extended longevity and zero maintenance properties. To add to this, Kedel only uses recycled plastic that would otherwise go to landfill, therefore, its contribution towards a circular economy is something to be highly commended.

Moving forward, Dermot explained what the future holds for the company. "We are about to increase the working hours of our extrusion plant to be operating 24 hours



a day 5 days a week which will double our production time, and to support this we are recruiting more extruder operators. In the future, we plan to build a

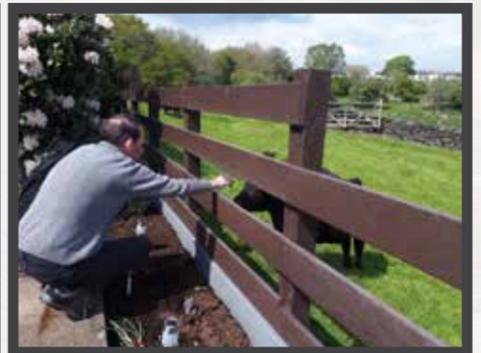
network of resellers around the UK, as the current cost of transport is at an all-time high so we are looking at ways around this for better business practice and to allow for an eco-friendlier way of working."

In closing, we asked Dermot how he felt receiving our award, he responded, "We are thrilled. It shows we are doing all the right things and going in the right direction and we will endeavour to live up to it."

For more information, please see below:
T 01282 861325
www.kedel.co.uk



The Zero Maintenance Alternative to Wood



Recycled Plastic

- 100% recycled and recyclable
- Impervious to fungi, algae, insects
- Never rots, splinters or cracks
- Graffiti resistant
- UV Protected
- Eco-friendly and low carbon
- 100% maintenance free
- Lasts a lifetime



sales@kedel.co.uk | www.kedel.co.uk | 01282 861325



Delta Tower Cranes Ltd specialise in the Hire & Sales of Luffing & Trolley Jib Tower Cranes



Established over 20 years ago by Richard Baldwin of Baldwin Crane Hire, Delta Tower Cranes Ltd is a one stop shop for the Hire, and Sales of Luffing Jib, Trolley Jib, & Pedestrian Operated Tower Cranes.

The companies head office is in Langley near Slough and they have depots in Theale, Reading and Newport in South Wales. From these bases Managing Director and Technical Sales Manager Tony Ferris and the ten staff service all companies requiring its products.

Tony Ferris with his long term experience in the Tower Crane Industry has been directly involved in the establishment of Delta Tower Cranes Ltd with Richard Baldwin from day one, and he commented, "While we are a fairly small company in the industry, we do have a fleet of up to 36 Luffing Jib & Trolley Jib Tower Cranes available for hire. We pride ourselves in providing a personal and flexible service, and I work directly with customers from the day that they contact us to ensure that we supply them with a suitable Tower Cranes and other services at very competitive rates. We are there right throughout the project to talk to and guide customers and field any issues that they may have."



Proof of the commitment the company has to its customers is evident in the investment it has made in a comprehensive fleet of the latest Tower Cranes from leading manufacturers including Saez Cranes, as well as the latest state of the art equipment including Electronic Torque Equipment, AMCS Electronic Zoning/Anti Collision Systems and IKAR Rescue Systems.

Delta Tower Cranes Ltd can supply a complete range of Hydraulic Luffing Jib Tower Cranes, including the innovative Saez SLH series of Flat Top Hydraulic Luffing Jib Tower Cranes which are ideal for sites with restricted air space, as they have vastly superior out of service radius capabilities when compared with conventional wire rope Luffing Jib Tower Cranes. These cranes are the perfect solution for compact construction sites where air space is at a premium, or where they are located next to Network Rail Boundaries. In addition Delta Tower Cranes can supply Saez TLS series Flat Top Trolley Jib Tower Cranes, as well as Pedestrian Operated Tower Cranes.

The company hires its cranes out mainly to construction companies and can provide a complete package if required, including Crane Operators, a comprehensive range of Lifting Accessories, Generators with Bundled Fuel Tanks, and AMCS Electronic



- Jost JTL 208.12
- Raimondi LR60
- Terex Peiner SN86/1
- Terex Comedil CTL140-8
- Saez SL 320
- Saez SLH205
- Jost JL256.16
- Potain MR165-G12

Trolley Jib Cranes include:

- TLS 65 4-8 Ton
- TLS 70-10
- Terex Comedil CTT121
- Terex Comedil CTT181
- Terex Comedil CTT231

Tony concluded, "We would welcome the opportunity of sharing with customers the benefit of our many years of experience in the Tower Crane Hire Industry by offering you technical advice and very competitive quotations for all your Tower Crane requirements."

Zoning and Anti-Collision Systems. Tony continued, "I have been in the Tower Crane industry for over 45 years and myself and our very experienced staff take great pride in delivering an efficient and personal service to all our customers. Most of our work is repeat business in addition to website enquiries. Companies return to us time and again as they know that they are guaranteed personal and excellent service from our staff throughout every step of their project."

Delta Tower Cranes Ltd insists upon safety, reliability, first class service and efficiency and these are its core values and priorities. The highly skilled and experienced personnel are constantly undergoing training which enables the company to ensure that it provides its customers with a professional and 'safety first' service.

Delta Tower Cranes Ltd can also offer to its customers the benefit of its in house Auto CAD Design facilities, as well as arranging road closures, traffic management, and the hire of skips, brick forks, block grabs and other ancillary lifting equipment.

The following is a list of tower cranes in the Delta fleet, all specifications for each crane are available on the website (www.deltatowercranes.com)

Luffing Jib Tower Cranes include:

- Jost JTL 108.6
- Jost JTL 158.6

Contact Tony Ferris,
Technical Sales & Enquiries,
T 01753 542418
M 07799 788150
Technical Sales & Hire Enquiries
deltatowercranes@gmail.com
General Enquiries & Administration
admin@deltatowercranes.com
www.deltatowercranes.com



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.

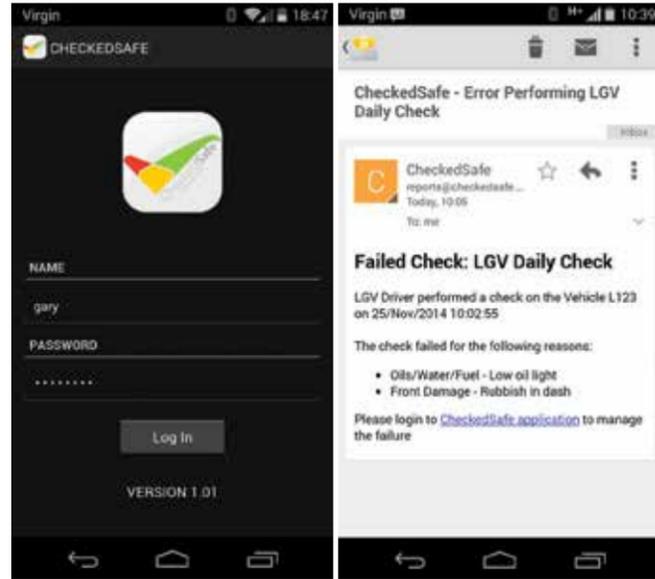
Located in Burnley, its system is global and can be accessed from anywhere as long as you have an internet connection for the management portal, the app itself works off line and on-line so there is no restriction on using the app.

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."



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.

T 01282 908429
info@checkedsafe.com
www.checkedsafe.com



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



The vehicle compliance system for all fleets

Paperless defect reporting and fleet maintenance, all for **£1 per vehicle, per week**



Driver's app



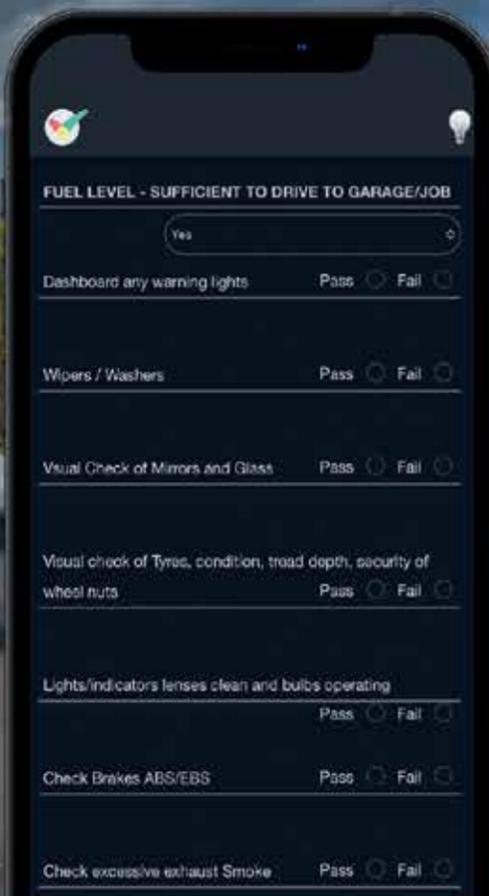
Fleet portal



GPS tags



DVSA compliant





Try free for 30 days at checkedsafe.com
 or call us on **01282 908 429**

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



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.



INNOVATIVE

A new cost-effective way to fit external furniture through walls and cladding



ROBUST

Super-strong to prevent insulation compression and provide a watertight seal



EASY TO INSTALL

Simple yet effective next generation solutions. See for yourself



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



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

The seriously multi-purpose GRP Roofing System

Established in 2012, Tuff Waterproofing Ltd is the UK's premium designer, manufacturer and supplier of heavy-duty GRP waterproof flat roofing systems. TuffStuff® has a dedicated product development team that work closely with customers and its own UK based manufacturing facility to produce an evolving product range that is suitable for multiple flat roof applications.

From its base in Sherburn in Elmet, North Yorkshire, TuffStuff® is the UK's premier GRP flat roofing system and supplies its products through a dedicated stockist network throughout the country.

The advanced TuffStuff® formula uses the latest liquid polyester resins, glass fibre mat reinforcement and flexible trims, to create a fully integrated waterproof, seamless attractive finish with a 25-year guarantee on materials.

Tuff Waterproofing has further expanded its TuffStuff® product range and is now offering its latest GRP roofing innovation; TuffStuff® flexible GRP. This is a single resin solution that provides an exceptional combination of versatility and durability. It is 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.

Managing Director, Greg Gimenez commented, "Standard GRP is rigid when it is cured, and it is specifically designed for flat roofs. However it can only be applied to OSB3 (Timber), and while this has been very successful, contractors have been looking for overlay systems which can go over other substrates." TuffStuff Flexible GRP can go onto many substrates including felt, asphalt, single-ply, GRP, concrete, timber and metal.

While other companies have standard GRP, TuffStuff® knows that this flexible GRP provides



an exceptional combination of versatility and durability. TuffStuff® flexible GRP has become a very important product already, for a number of reasons. It is a one-pot system, whereas standard GRP comes with a base coat as well as a top coat, and this saves a contractor plenty of time and, comes with a 20 year product guarantee on the full system.

However, the major advantage is that while it is curing, it is actually showerproof, and Greg commented, "If contractors experience a rogue shower while installing, they may have to go off-site, but upon returning they can carry on knowing that their work is not ruined (showerproof whilst curing), as it would be with standard GRP. This aspect of our product will really excite contractors that work with GRP regularly." This plus the fact that it is crack resistant, with no weak points has meant that facility



companies have also begun using the flexible GRP for patch repairs too.

TuffStuff® Flexible GRP will form a highly flexible, extra tough and seamless waterproof membrane – an ideal solution for areas of heavy-duty foot traffic.

Tuff Waterproofing Ltd will be exhibiting at the UK Construction Week in October in Birmingham, during which clients can find out more about this amazing new product.

For more information, please see below:
T 01977 680250
info@tuffwaterproofing.co.uk
www.tuffstuff.co.uk



FLEXIBLE GRP

Providing an exceptional combination of versatility and durability. Quick to lay, with no need to strip or re-deck a roof, this fast-curing system saves time and money.

It's a single-resin solution which can be applied to a multitude of surface types and structures including vertical sections.

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



www.tuffstuff.co.uk

T 01977 680250
orders@tuffwaterproofing.co.uk

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



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

■ **Maximising Quality:** The company implements proven health, safety and wellbeing strategies to help clients achieve high quality and cost-effective work commensurate with the design of their projects.

■ **Minimising Risk:** The company effectively manages design and delivery risk on projects to match each client's desired risk level profile.

■ **Managing Compliance:** The company relies on its extensive background working on a wide variety of projects to assist clients in developing, monitoring and maintaining compliance performance.

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

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

Key to DCON Safety Consultants Limited's services is working as a Project Supervisor for the Design Process and CDM Advisor in various sectors across the Irish construction market. No project is too

simple or too complex for the company's construction safety consultants, all of whom are construction professionals with an average of 20 years' experience in the built environment. The ability to maximise this knowledge and skillset means DCON Safety Consultants Limited can generate distinctive and innovative ideas from traditional PSDP service inputs and outputs.

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.



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



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.



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,

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.

Contact
T +353 (0)1 611 1556
diarmuid.condon@dconsafety.com
www.dconsafety.com

Forward

The Belgian fifth-generation family company, founded in 1883 Vandecasteele Houtimport specializes in the import, trading and export of Tropical Hardwood from Africa, Southeast Asia and South America, Scandinavian and North-American Softwood, North American and European Hardwood.

"Vandecasteele Houtimport is fully committed to certified timber," says Isabelle Polfliet, Compliance Manager at Vandecasteele, "We're living in challenging times. But, it's for times like these we exist."

With over 140 years of experience, we know there's only one way: forward.

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 100%. The challenge, however, lies with the hardwood and especially the tropical hardwoods. Today we are at 80% certified!"

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. Secondly, the team at Vandecasteele was reinforced with 2 forest engineers 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. All timber transport requires our approval. When in doubt the timber is not accepted."

Masters in diversification

Vandecasteele has a long-term commitment to preserving the forests. The family business imports more than 130 different species of timber coming from 40 countries and has over 105,000 cubic meters in stock, mainly certified hard and softwoods.

"We support the LKTS program of FSC® Denmark with which we want to help promote the use of lesser known species. We keep these lesser-known species in stock and offer them as alternatives. Everybody is looking for alternatives for Siberian Larch since the ban on Russian imports.

We have over 15 timber species that we can offer as alternatives, such as FSC® Certified Niové, Movingui, Mukulungu, Tali, Padouk, Jutai, Angelim Amargoso, Red Louro, Sucupira Preta, Sucupira Vermelho, Jatoba, Mandioqueira, Cumaru, Basrolucus, Guariuba, Tatajuba, European Oak, Muiricatiara, Purpleheart and Louro Preto.

Timber is too often prescribed from a specific well-known species, but from the point of view of responsible forest management, we must dare to choose the right durability class for an application instead of a specific type of timber, says Geneviève Standaert, export manager at Vandecasteele Houtimport.

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.

Rethink everything

We notice a positive evolution in consumer purchasing behaviour says Geneviève. Customers are increasingly asking questions about certification and the origin of the timber.

Buyers are becoming more and more aware of the need to use certified timber. "Importing tropical wood goes further than just asking for certified timber. There is a continuous evolution, because of new insights, new legislation, etc. We work together with external experts, we are

broadening our internal knowledge and we continually make progress."

Making progress is an ongoing process. Considerable steps have already been taken with the arrival of the EU Timber Regulation, but we can and should do 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 spread that Message. 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

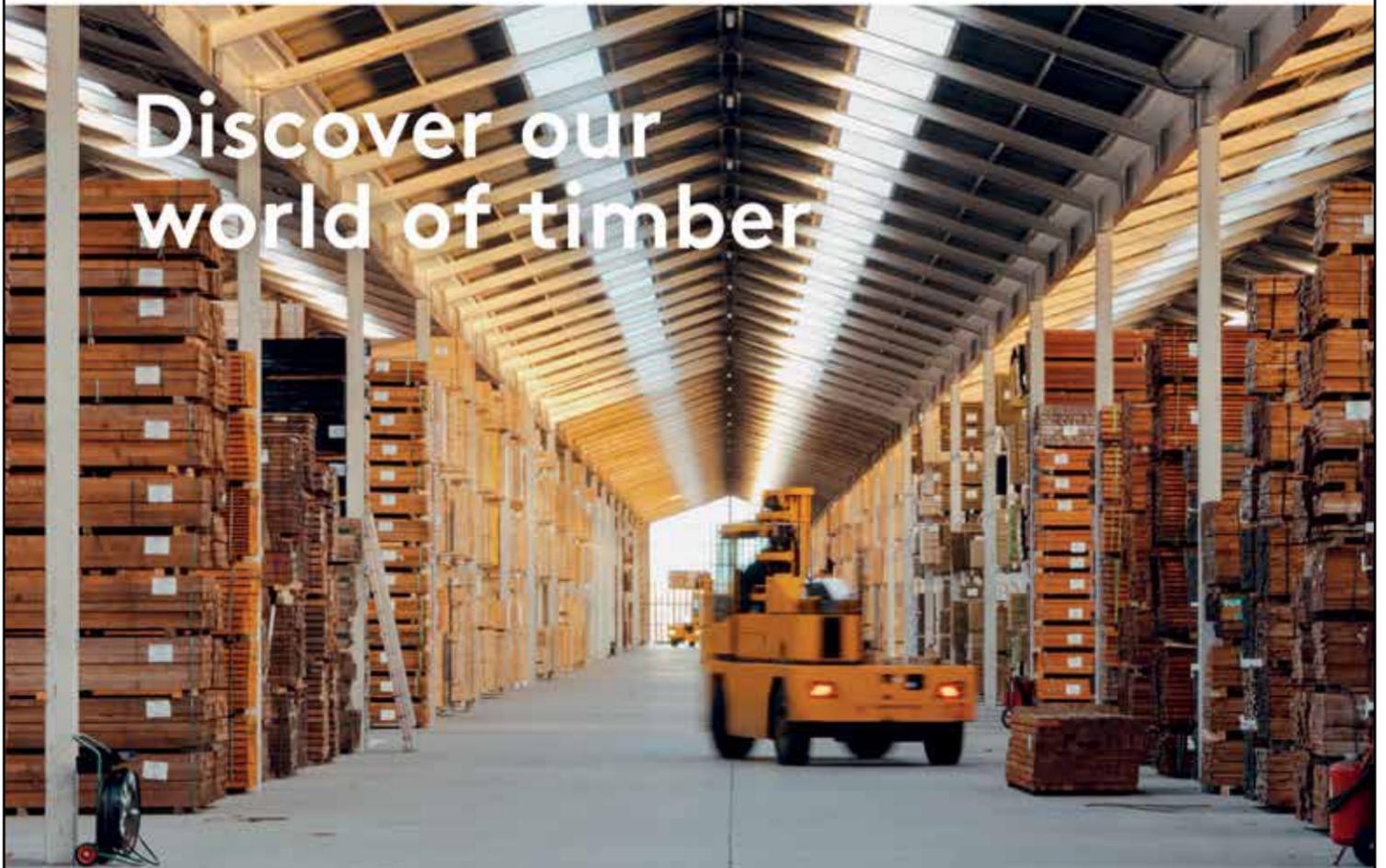


Houtimport has committed itself through the Corporate Durability Charter by signing up to environmental objectives exceeding the applicable legislation.

T +32 56 43 33 00
www.vandecasteele.be



VANDECASTEELE
HOUTIMPORT



Discover our world of timber



Nature's first choice



Ask for your personal login to our online portal



Prompt delivery



More than 50 decking species



Endless possibilities for decking and cladding

Contact
Bergstraat 25
8511 Aalbeke
België
vandecasteele.be

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

High quality, high capacity mowing systems

In this issue of Building Update, we are pleased to announce that we have selected L S Products BV as the recipient of our Commitment to Excellence Award for its dedication and innovative design of the best mowing systems for the maintenance of large area turfgrass.

As a response to the increasing market demand for an upgrade to the 15-year-old electrically driven rotary mowers, the company started working on a newer, more improved version. Combining his years of experience and expertise, Syb Leijenaar – LS Products BV owner and Eco Clipper® inventor developed a new line of electric mowers that graced the market in 2018, and this was when the Eco Clipper® was born.

Built from experience, the Eco Clipper® Mowing System has evolved from the mowing system that was originally developed in the nineties on the turfgrass farm of the Leijenaar family in the Netherlands. Since the first electric mower product launch in 2002 to the latest Eco Clipper® range, L S Products BV has developed an extensive portfolio of machinery and equipment that has grown rapidly and been revolutionary to the turfgrass industry.

“Eco Clipper® is a range of large area mowers with a high productivity that help field managers to minimise their mowing costs, while producing a professional cut. Our mowers are electrically driven and use a special mowing deck design with small mowing blades. The mowing decks have good contour following capabilities and disperse clippings well, even in wet grass. This means we have a few important advantages over other mowers. These include delivering the highest mowing speed possible thus producing a higher productivity, they are quieter and more fuel efficient because of the small blades and electric drive, and they are more versatile to schedule because they can deal with wet grass and any other adverse weather conditions,” said Syb.



The Eco Clipper® Mowing System offers many advantages over traditional cylinder and rotary mowers. Because it consists of an independently suspended 106cm wide deck section, it is cleverly linked together in larger, flexible contour following mowing decks. The entire design and development of the Eco Clipper® Mowing System delivers a clean cut, even clippings dispersion and excellent following of the ground contours with minimal soil compaction.

The system also caters for bespoke requirements so customers can attach the decks to different frames, whether it be Carried or Towed. Offering three options, the Front Mower consists of a single deck with 2-6 sections, a Towed Mower consists of three separate decks of 10-14 sections wide, and a Carried Rear Mower is combined with a Front Mower and consists of 10-14 sections wide.

We asked Syb if he were to describe the company in three words what would he choose and why, and he answered, “Innovative, we believe that it is always possible to improve. Secondly, our serving. What we offer our customers is ultimately a solution to the problems they are facing. Our products are designed to help our customers to do their job better. And thirdly, we are agile. Every member of our team has the ability to act fast and adapt to the ever-changing



industry. We are also quick to react to any problems our customers may be facing and work hard to do what needs to be done to help them.”

One particular product to note is the Eco Clipper FM4 Sport for sporting grounds.

Similar to the entire Eco Clipper® Mowing Range, the goal with the Eco Clipper FM4 Sport was to maintain the cutting performance of a properly tuned cylinder mower, but without the high maintenance required for mowing conditions such as wet grass and weeds.

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, which makes it possible to schedule the mower almost independently to all weather conditions.

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, sports field and park managers have taken delight in the advantages that the Eco Clipper FM4 Sport brings. The EC-FM4 Sport is a 4.11m

wide mower that has four independent cutting decks. The forward position provides excellent visibility and comfort for the tractor operator.

Previous users have reported high productivity gains, a factor two compared to 5-gang self-propelled cylinder mowers, and showed a large appreciation to the low maintenance and the mowers ability to schedule the mowing even under less favourable mowing conditions such as early morning dew and wet autumns.

“We started our focus on increasing mowing productivity in turfgrass production. With a few adjustments, this mowing system has proven to be a major step forward in reducing mowing costs on sports fields and large recreational grass areas. Some users have cut their mowing costs by more than half since using it!” stated Syb.

Going forward, L S Products BV is looking to continue its successful start in the sports field market in the Netherlands and is keen to now debut this line of products here in the UK to British sports field managers so they can also enjoy the benefits of the Eco Clipper® Mowing System.

With the development of a robotic mower for turfgrass production in the pipeline, L S Products BV has a busy yet exciting few years ahead. In closing, we asked Syb what a commitment to excellence means to the company, “We feel we achieve excellence because we are completely committed to offering the best mowing system for maintaining large area turfgrass which is of course, achieved by our Eco Clipper® Mowing System.”

For more information, please see below:
T +31 6 46 75 35 60
info@ecoclipper.com
www.ecoclipper.com

‘Dedicated to offer the best mowing system for maintaining large area turfgrass’

Eco Clipper FM4 Sport
for sporting grounds
www.ecoclipper.com

Leading the way in deep hole drilling

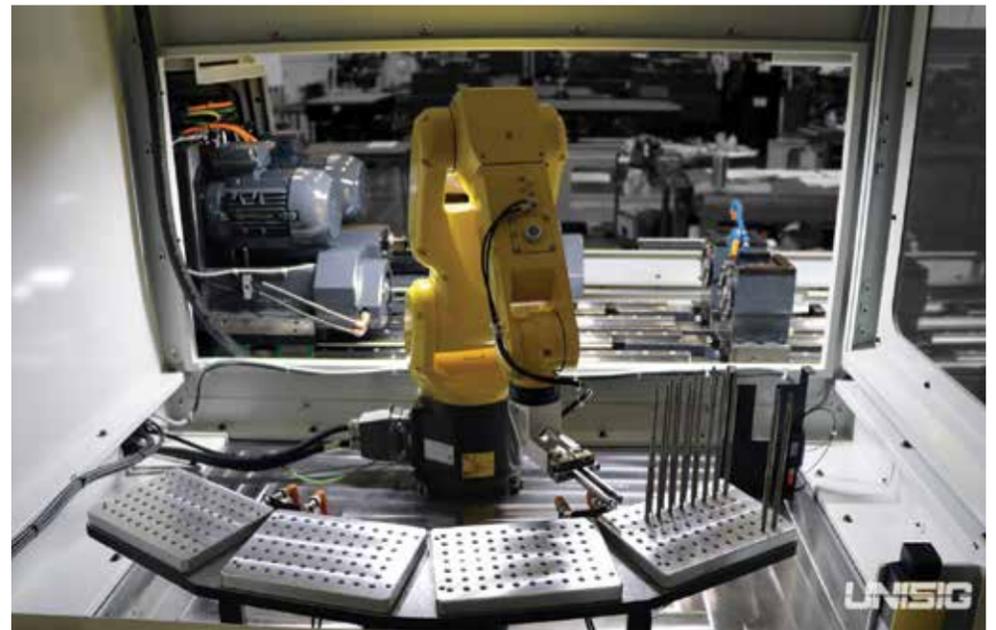
At Industrial Solutions, we take pride in showcasing the very best services provided by companies that provide a wealth of benefits for their industry. As such, in this issue we are proud to announce that we have selected UNISIG as our Deep Hole Drilling Specialists of 2022 and the recipient of our Industry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



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.

Please visit us at EMO 2023, Hannover from 18th-23rd September.

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



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,

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



See us at



UNISIG.COM



UNISIG

**UNISIG TAKES YOUR
GUNDRILLING
PRODUCTION FURTHER**

**Gundrilling and BTA deep hole drilling
for highly productive shops.**

Whether your shop needs on-center or off-center holes, specialized job shop work or fully automated production, UNISIG has a deep hole drilling solution with the accuracy and performance you need.

Take your shop's production further - learn more at UNISIG.COM.



Machines • Tools • Automation

UNISIG machines, engineered and manufactured in the USA



Lighting & Electrical

Providing Power Distribution Products for over 40 years

Fisher & Company have been manufacturing and designing their own products for over 40 years. Products for the highways & streetlighting, outdoor power, leisure and sports facilities, car parks, markets and now EV charging. They also make bespoke products for customers where particular requirements are specified.

The Somerset-based company is a leading supplier of Feeder Pillars and Wall Boxes, Sign & Light Brackets, Belisha & Refuge Beacons: mains & solar and electrically insulated digging tools.

Since gaining their ISO 9001:2015 Quality Accreditation during Lockdown, Fisher & Company have added to its list of overseas customers: exporting to new countries including Cyprus and Hong Kong.

2022 has been the busiest year on record, with several large UK projects.

Interest in Fisher & Company's two main products: Belisha Beacons and Feeder Pillars has increased from new companies. These include: schools, hospitals to commercial developments, all discovering the high-quality service and products meet both their specifications and quick delivery expectations.

The Fisher & Company Feeder Pillar range is extensive: the SDMP Mini Pillar and BD styles come in a range of sizes, or for larger Pillars, the FFP range is perfect. The ever-popular Belisha Beacons for zebra crossings ranges from the standard Mains Powered AmberGLOB to the Solar Powered SolarisV2 or SolarisP™, for greater sustainability.

As the UK moves towards the 2050 net-zero target, the SolarisV2 solar-powered Belisha Beacon is the perfect greener choice for car parks, supermarkets and college campuses, with the photovoltaic (PV) panels powering rechargeable batteries for reliable operation. With no reliance on mains power, these efficient, sustainable pedestrian crossings continue to work, even in poor weather conditions, providing safe crossings where no power is available.

Fisher & Company has worked tirelessly to design and manufacture only the highest-quality products and reviews for their products and services are very positive. Casting Services was delighted with the Stainless BD Feeder Pillar made for them.

"I first rang Fishers and spoke to Hannah, with my initial enquiry for a feeder pillar she was very helpful and managed to source out exactly what I required. I placed the order and the delivery date given was adhered to. The quality of the feeder pillar received was very good and I would have no hesitation in recommending this company. I spoke to this site foreman and he was pleased with the product."



To view the whole product range, including spares like LED Crossing Spotlights, Courtesy Shields and LED Beacons in Pre-Wired and BC22 fittings for retro fitting – available for both Belisha and Refuge Beacons, please see the website below:

Contact
T + 44 (0)333 666 2122
info@fisherandcompany.co.uk
www.fisherandcompany.co.uk
Twitter https://twitter.com/FeederPillars
LinkedIn https://www.linkedin.com/company/fisher-company-ltd

Feeder Pillars for every purpose from Fisher & Company...



- Traditional Range
- 3 & 5mm Heavy Duty - FFP Range
- Versatile BD Range
- Mini Pillar SDMP Range
- GRP Range inc. Bespoke

- Bespoke and Made to Specification
- Pre-Wired and Shell Only
- Powder Coat Finishes
- 316 or 304 grade Stainless Steel option
- All metal products are made on the premises
- Fast turnaround even on bespoke
- High quality build and finish
- Suitable for all purposes – EV Charging, Power Distribution, Events, Temporary Supply, Sports & Leisure, etc



Quality products made in Somerset. Order from stock for next day delivery* - Made to order sizes/specification and Bespoke from 2 weeks. Call our friendly, knowledgeable Sales Team to discuss your next project on the number below.

*next day delivery is dependant on location, courier service available and time of order.



Tel: (+44) 0333 666 2122
 www.fisherandcompany.co.uk
 info@fisherandcompany.co.uk



Software

Taking your business to the next level



Construction Made Easy

Elevate is a complete management system, specifically designed to ensure the smooth and professional running of businesses.



Elevate was designed by Steve McGowan, who maintains over 35 years' experience in construction, and duties ranging From Managing Director, Consultant, Troubleshooter, Senior Project Manager and Design Co-ordinator.

Elevate is an innovative, hub of information that enables businesses to use proactive management instead of reactive management. Simplifying management, Elevate has automated as much of the process as possible, increasing the productivity and reducing down time and work load of employees.

This helps to ensure that works are completed correctly and on time, improving performance, quality and providing a stress-free management solution.

Elevate has been designed to be extremely user-friendly and offers the latest features, such as the automatic programme, valuations and cash flow forecasts.

With some many unique, advanced features available, Elevate is able to offer a comprehensive package by linking them together to provide its customers with a full solution.

If you would like to find out more information, please see below:
T 01962 761693
www.elevate-software.com

Portable Buildings




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.modconcabins.co.uk

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

info@modconcabins.co.uk +44(0)333 404 8822 07842 318869

The UK's number one sealing solutions provider

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.

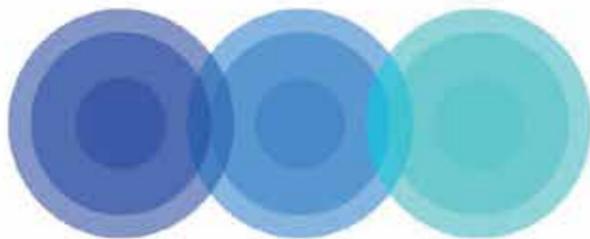
As a UK distributor for FRANK puddle flanges, Service Sealing Solutions Ltd provide assured watertight sealing of pipes through concrete walls, foundation plates and manholes. The FRANK puddle flange is an extremely flexible product and comes in a range of versions. Made from EPDM, the puddle flanges 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

Tel 01952 510050
sales@servicesealingsolutions.co.uk
www.servicesealingsolutions.co.uk

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.



Quality, bespoke joinery since 1991

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.

For more information, please see below:
T 01799 599995
dee@bluerunltd.co.uk
www.bluerunltd.co.uk



Bluerun Limited

quality bespoke joinery since 1991

QUALITY, CUSTOM MADE JOINERY



Bluerun Ltd have been manufacturing top quality, purpose made joinery for the domestic and commercial markets for over 30 years.

Contact us to discuss your requirements.



Please visit our website: www.bluerunltd.co.uk
Tel: **01799 599995** | Email: dee@bluerunltd.co.uk
f [bluerunltd](#) @ [bluerun_joinery](#)

KELLY TANKS

CONCRETE WASHOUT & WATER TREATMENT SOLUTIONS



SIMPLE, INNOVATIVE, COST-EFFECTIVE solutions to treat wastewater & concrete washwater

Concrete Washouts: Simple solutions for washing off concrete wagon chutes and equipment

Water Treatment: Ideal onsite equipment, Lamella clarifiers, Sediment Removal, Flocculation & pH Control systems

**For further information, please visit
www.kellytanks.co.uk or call 01889 508944
or email info@kellytanks.co.uk**

Dolwin & Gray

Established 1969



Hedge, Copse & Woodland planting
(Transplants to semi-mature)

Cultivation & Seeding Paddocks etc Turfing

All aspects of Tree Work, Surveys and
Reports to BS5837:2012 Trees in Relation
to Design, Demolition and Construction –
Recommendations

www.dolwinandgray.co.uk

Tel 01892 853232

Email enquiries@dolwinandgray.co.uk



VANDECASTEELE
HOUTIMPORT

Discover our
world of timber

Choose life, Choose wood



Nature's
first choice



Ask for your
personal login to
our online portal



Prompt delivery



More than 50
decking species

Photo © Dieter Dejonghe

Endless possibilities for
decking and cladding

Contact

Bergstraat 25
8511 Aalbeke
Belgium
vandecasteele.be

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

The Home of Le Tonkinois Varnish UK

B & D Murkin are a small family run business based in Maidenhead. Providing varnish and sander products, they are the sole importers of Le Tonkinois Varnish and the Flexidisc Sander.

They have been importing Le Tonkinois Varnish and the Flexidisc sander for almost 40 years.

They demonstrate and sell these products on various shows throughout the UK and operate a first class mail order service.

Le Tonkinois Varnish is a traditional oil based varnish, manufactured using a 200 year old Chinese recipe. It contains Linseed oil, Tung oil & natural resins. No solvents or water therefore it is environmentally friendly and is a pleasure to work with, no nasty smells and no brush marks.

Le Tonkinois Varnish is 100% waterproof and does not crack or flake off, even on oily woods like Teak and Iroko. It also withstands hot pans and boiling water. It produces a high quality and professional finish and requires very little maintenance, simply add a top up coat every few years as required.

Le Tonkinois Varnish has gained world recognition for its results and is regarded as one of the world's best varnishes for indoor, outdoor and marine use.

The flexidisc sander is an extremely unique piece of equipment, although being a general sander, it can also be converted into many other applications including: finishing sander, bench grinder, general purpose sharpener, partial angle grinder,



polish applicator, polisher and grinds glass and nails.

"The Flexidisc sander can be used to prepare any type of material prior to applying Le Tonkinois and results in a better finish than most orbital Sanders in a fraction of the time.

For any more information, please see the details below: www.letonkinoisvarnish.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



ACCON UK

ENVIRONMENTAL CONSULTANTS



We are one of the UK's leading niche environmental consultancies, specialising in air quality, noise, vibration, lighting, flood risk assessment, contaminated land, daylight & sunlight assessment and Environmental Impact Assessment (EIA). Our standards of EIAs, technical reports and planning proposals ensure you get the most robust and reliable results. ACCON UK's wealth of experience and efficiency enables us to produce cost-effective air quality, noise and EIA reports for our clients. We maintain a wide range of noise, vibration and air pollutant measurement equipment to ensure the very best outcomes for our clients.

We offer focussed solutions for all our clients provided by our team of experts, all of whom are specialist environmental assessment consultants and are up-to-date with the most relevant and latest revisions to the planning system.

Contact ACCON UK today to discuss your individual requirements with one of our consultants.

Our range of sector expertise includes:

- Major Infrastructure Projects
- Transportation – Road, Air and Rail
- Residential and Commercial Development
- Sports Stadia and Recreational Facilities
- Industrial
- Energy and Wind Farm Developments
- Mining and Quarrying
- Petro-Chemical



Tel: +44 (0)118 971 0000
enquiry@accon-uk.com
www.accon-uk.com

How has global conflict affected freight?

2022 has seen the world sadly troubled by global conflict. The war in Ukraine has had shocking scenes with lives lost and buildings destroyed. It has had a massive impact on the world, and has also had a detrimental impact on the movement of freight.

It hasn't been the best year for freight regardless. Although recovering from the COVID-19 pandemic with restrictions all over the globe, whether it be warehouses with staff isolated to entire port closures in which vessels could not call it has all made it more challenging to be able to import and export goods. The cost of living crisis is massively affecting the supply chain, consumers not being able to afford to buy goods, which means suppliers then cannot afford to import & export as many goods as they usually would. Port strikes in the UK in Seaford and Felixstowe has led to port congestion at various ports around the country, making it that little bit more difficult to move goods efficiently. Finally, with the full effect of Brexit now kicking in, it is now a more time-consuming process to import & export with the European Union.

Russia's invasion of Ukraine has had various impacts on various different industries, freight & logistics being one of them. The port of Odesa was shut down for almost 6

fuel costs due to the lack of gas and oil have been passed onto importers, as this is impossible for hauliers to absorb the charges themselves. With some hauliers charging up to 35% extra in fuel surcharges, the cost-efficiency of transport isn't what it used to be. A solution needs to be found and it needs to be found sooner rather than later if transportation costs have any chance of reducing to a more reasonable cost for manufacturers to be able to confidently move freight worldwide.



Europe, along with many parts of the world, are cracking down on Russia, to the benefit of Ukraine, and morally it is more than the right thing to do. The industry is trying once again to flourish after it has survived several hurdles the past few years, many other industries haven't been able to survive the COVID-19 pandemic, but with freight struggling through it and now slowly picking back up, the question we really have to ask is - will the world ever be normal again?

T 01709529709
rotherhamsales@daviesturner.co.uk
<https://www.daviesturner.com/specialist/rotherham-specialists>



months after the city was hit with Russian missiles. Ukraine is a big part of the global food industry, exporting grain via sea out of Odesa. With this coming to a temporary halt, global food prices shot up with the limitation of grain available to make food. Other methods of transport have been used, but the difficulty of travelling through a war torn country, as well as then having to take a longer route to the final destination, is coming at a cost to the consumer.

A major development in the war was the battle of Antonov Airport, which led to the sheer destruction of the world's largest cargo plane - the Antonov AN-225 Mirya. This was a significant event in the war and which



has caused major consequences in shipping out-of-gauge and heavy cargo. The aircraft's last mission was shipping 90 tons of COVID-19 testing kits from Tianjin, China, delivering in Billund Denmark. It shows the big humanitarian impact the plane had on the world. The plane was set to be evacuated on the day that Russia invaded the airport; it was seen as a key target by Russia. Several other aircraft that were part of the Antonov family were destroyed by Russia in what seems like was a purposeful attack. Russia are clearly trying to hurt Ukraine's air cargo sector, which in turn will hurt consumers all over the world. Humanitarian relief is also going to struggle to be distributed, it really does make you question the morals of the attack. A rebuild has been planned however, which is set to cost 3 billion US dollars, and take place over 5 years. However, the biggest cost will be to Ukraine's air cargo sector, which will lose many million more due to the loss of the aircraft.

The lack of gas and oil in the industry is solely responsible for by this war. Russia is one of the main suppliers of gas and oil to the rest of the world, most of the other countries of the world are mercifully standing with Ukraine and looking to aid Ukraine in some way to help limit the damage the country is taking, physically and economically. This has led to Russia not supplying gas and oil to Europe and instead sending it to India and China. European haulage is effected by this hugely. Rising

Davies Turner

Your worldwide freight and logistics partner since 1870

Our mission, quite simply is to satisfy the international freight and supply chain needs of our clients. This has remained a constant ambition since our foundation in 1870.

We continue to take pride in providing a professional and award-winning portfolio of services that are reliable, time/cost-effective, and tailored to the unique requirements of our customers. As one of the first Customs - Authorised Economic Operators in Europe, our focus on service, compliance and supply chain security has been acknowledged as market-leading.

How our specialist team in Rotherham kept a unique request on track
 Davies Turner Rotherham offer many unique ways to arrange your shipping requirements. If you have something out of the ordinary, requires special licences, needs packing, heavy lifting or anything out of the 'normal,' contact our Rotherham office who will never refuse to quote on something unusual and will always take on the challenge.



Catering for all your freight needs
www.daviesturner.com/specialist/rotherham-specialists

T 01709 529709 | F 01709 529710
 Email rotherhamsales@daviesturner.co.uk

The future of automation lies with people

The move towards Industry 4.0 and using digital technology to monitor and manage processes is already improving business performance, by streamlining operations and collecting and analysing data for better decision making. However – data doesn't mean a lot without people to use it and in fact, the human element has been somewhat overlooked.



around the way they think and work. The key is to combine people, processes and systems harmoniously.

WorkfloPlus digitalises human-centric processes enabling data to be collected and analysed to identify 'human bottlenecks' such as gaps in training requirements, different methods used by staff to carry out tasks, and varying recording and reporting techniques.

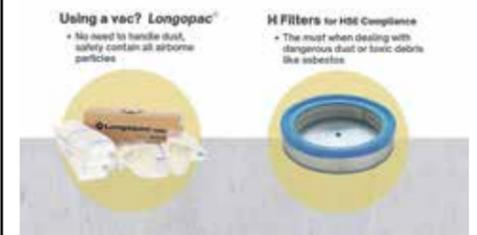
For this reason, the next industrial revolution – Industry 5.0 – needs to put people back at the heart of industrial production, empowering employees to work in collaboration with technology that has been designed

It also captures and records all the human processes needed to keep things running, such as machine set up, quality assurance inspections, equipment maintenance and repairs, fulfilling compliance requirements more effectively by using photos and video evidence, as well as timestamps and a log of who did each process.

This connectivity between employees and technology reduces inefficiencies and enhances productivity levels, engaging with the workforce to continually improve both workforce and customer satisfaction – something that is vital, yet missed by many companies rushing to digitise critical industrial processes, overlooking the requirements of people at the heart of their businesses.

Visit to find out more: www.intoware.com

Every breath you take



In the construction industry, numerous health and safety hazards present and challenge us with each job. As leading contractors in surface preparation committed to best practice, the expert teams at The Preparation Group have a keen focus on one specific hazard to ensure every breath you take on-site is a safe one: dust.

If not controlled, dust presents a major hazard to users and operators of machinery, to trades in the local vicinity and the general public.

With our wealth of knowledge, over 30 years' professional experience, and fleet of efficient, innovative machines; The Preparation Group offers dust extraction, air purifying and filtration solutions that will contain toxic and hazardous dust, debris and/or airborne particles on every project – from 5m² to 50,000m².

The best tools for the job:

We recognise that selecting the best equipment can seem like a challenge. Our expert teams are on hand to advise and guide you to select the most effective equipment to make sure that potentially harmful dust can be dispersed, purified, eliminated and/or contained correctly throughout the duration of your project.

Harnessing smart technology, and maximising suction power, our high-performance vacuums and filtration units can be matched to all types and models of equipment or tools, from large plant to hand tools, and efficiently defend against exposure to harmful dust.

Our top choice:

Utilising the recommended, innovative, safe bagging system Longopac, The Preparation Group's 202DSLP Dust Extractor gives you the confidence that all airborne particles will be safely contained; with no need to handle any dust.

Dust settles... we don't:

The Preparation Group is always improving its fleet of innovative, effective equipment, growing our knowledge and experience to ensure you can trust us to guide and advise you to deal with dust safely, diligently and effectively – no matter the project.

Contact our expert team today and start tackling dust in the safest, most efficient and effective ways on: +44 (0)1522 561460 or visit: <https://www.ppcgroup.co.uk>

W+ WorkfloPlus by INTOWARE

Everything you need to streamline operations, standardise processes and remove paperwork.

- 70% Increase in Frontline Efficiency
- 275% Extra Daily Inspections
- 100% Accurate Real-Time Data
- 250% Productivity Gains
- Training & Upskilling
- Inspections & Quality Control
- Assembly & Installation
- Maintenance & Repairs
- Health & Safety

Ensure compliance with digital workflows that streamline your processes to increase productivity, efficiency and 100% auditability, while saving time by instantly generating and distributing reports as soon as a job is complete.

WorkfloPlus provides easy to follow step-by-step digital work instructions accessed via phones, tablets and wearable devices to make sure tasks are consistent, repeatable and recorded.

Take the first step on your digitalisation journey and transform your operations with WorkfloPlus.

🔗 Making the Complex Simple 🔗

www.intoware.com

hello@intoware.com

+44 (0) 115 977 8969



YOUR MATERIAL HANDLING PARTNER
FORKLIFT HIRE - FORKLIFT SALES
SERVICE & MAINTENANCE

We pride ourselves in supplying a prompt, reliable & helpful service

Over **40 years** of experience helps us deliver a first class service to our customers.



THE RIGHT SOLUTION FOR EVERY APPLICATION



RANGE OF SCRUBBERS AND SWEEPERS



PREPARED FOR ANYTHING



RANGE OF ACCESS EQUIPMENT TO COVER YOUR NEEDS



WE PRIDE OURSELVES IN SUPPLYING A PROMPT RELIABLE AND HELPFUL SERVICE
davison-forklift.co.uk T 01952 915060 sales@davison-forklift.co.uk

Game changing technology revolutionising valve testing in the tank storage and biogas industries. Benefits both the operator and the environment. Like all true inventions one wonders why this hasn't been done before

Soaring energy costs and concerns over the environment is driving significant growth in the waste to energy market, which is the best low carbon energy source available.

The technology for generating methane from waste has evolved significantly in recent years and is strongly supported by the UK government as a means to reduce reliance on fossil fuels.

The impact of methane gas leaking into the atmosphere is defined by as much as 80 times more damaging to the environment than carbon dioxide, which is the baseline for measurement of global warming potential. Taking into account the shorter life span of methane its effect is still 24-36 times more damaging than CO₂ over 100 years according to the Intergovernmental Panel on Climate Change (IPCC).

So, a sustainable energy source must also be environmentally friendly. Unfortunately, this is not always the case and the Regulators are now becoming more concerned with the detection and prevention of methane emissions.

Safety - Social Responsibility

Preventing leaks from tank storage breather vents is a true win/win benefit for operators in that they reduce emissions



and improve profitability at the same time. Medical research is increasingly identifying health implications associated with methane exposure. Operators who demonstrate a duty of care by careful procurement and management of aging plant will follow best practice to protect their workforce and neighbouring communities from methane exposure. These steps provide vital evidence to defend litigation claims, enforcement notices and environmental breaches as part of their corporate social responsibility.

Safety - Explosion Protection

Methane is invisible and odourless which makes detection of this highly flammable gas very difficult without some form of detection technology and up until recently was limited to:

- Gas sensor
- Gas imaging (OGI)
- Laser Spectrometer
- Satellite

Calculating the volume of leaks remains highly challenging and is affected by environmental conditions, however all of the technologies above are invaluable methods for detecting leaks.

The concept of leak detection has been the main focus of Assentech, which led to the development of the Vent-Less Test Bench. Designed to measure the functional efficiency of tank breather vents, which are commonplace in all biogas digester systems as the final pressure relief device after the flare.

There is a significant misconception that breather vents 'pop' open at the required set point. So digesters are run at 90% of the vent set point. In reality, vents are already partially open at 75%.

Managing Director, Ewart Cox was motivated to develop the worlds first automatic mobile test bench that is programmed to test vent functional efficiency to all international standards after he discovered that most valve manufacturers skip this requirement in order to save manufacturing costs.

Unfortunately, the vast majority of breather vent manufacturers do not leak test breather vents when new despite this being a requirement since the mid 1960's.

A consequence of this shortcut by so many manufacturers is that the true cost of lost gas, harm to staff and the environment, increased fire risk and accelerated corrosion costs the operator so much more than the marginal saving made by buying cheap vents.

Is there any other industry that allows untested vents to be fitted into critical service without any certified form of functional accuracy? This is definitely a matter of caveat emptor 'buyer beware' because unless the buyer specifically asks for an individual leak report on both vacuum and pressure ports, calibration certificate and pressure profile, all individually unit traceable, this information will not be available from 90% of suppliers.

Assentech recently resolved a persistent emissions issue on a waste to energy renewables site where 4 large vents were emitting significant leaks at operational pressures. These were 10" and 12" connection size fitted to digesters that were running at 90% of valve set point. The client had been issued with a Regulation 61 notice by the Environment Agency, which is an instruction to elevate operations to follow best available techniques (BAT). In this case, the nearest industrial standard for the leaking vents was to comply with either API2000 or ISO28300. These standards are co-branded and set out the same requirements.

We tested the faulty valves on our Vent-Less calibrated test bench. These valves had been serviced bi-annually by the manufacturer but they had never leak tested them. We found them to leak 90 cubic feet per hour (CFH) at 90% of set point. The valves we replaced them with leaked 0.08 CFH. At today's gas prices this brought the value of lost gas down from £10,000 per annum to £70 per annum. A reduction that is hard to believe but true. According to IPCC estimates this lowers the global warming potential (GWP) down from the equivalent volume from 198 double decker busses to 20% of one.

The Vent-Less test bench is now being purchased by customers worldwide from India to Iraq, the USA to Germany by customers seeking to reduce emissions from bulk liquid storage facilities and biogas plants.

This is definitely a case where information is power. Assentech is helping customers choose the right equipment by providing a free valve selection form and on-line methane emissions calculator:
<http://www.assentech.co.uk/anaerobic-digestion-biogas-pressure-and-vacuum-relief-valves-with-flame-arresters/#breatherventleakagebiogas>

T +44 (0)1726 844707
 info@assentech.co.uk
 www.assentech.co.uk

Industrial Applications



CML INNOVATIVE TECHNOLOGIES
 WHERE INNOVATION COMES TO LIGHT
 A Grupo Antolin Company



LED LAMPS



CUSTOM BUILD



CONTRACT ASSEMBLY



PANEL MOUNT INDICATOR



CUSTOM SOLUTIONS



TOWER LAMPS



KITTING FACILITY



STOCK HOLDING

Contact CML customer service **now** to discuss your requirements or for Stockist information.

CML Innovative Technologies Ltd.
 69/70 Eastern Way, Bury St Edmunds,
 Suffolk, IP32 7AB, United Kingdom
 Tel: +44 (0) 1284 714700 email: uksales@cml-it.com
www.cml-it.com





High Quality Panel Mount Indicators

CML IT continues to be the number one supplier of panel mount indicators, LED lamp replacements and LED tower lamp solutions. PMI highlights include:

- Plastic and metal bezels with a wide range of options in stock.
- Development of custom solutions.
- IP40 and IP67 ratings.
- UK manufacturing facilities.

Contact our Customer Services department to discuss your requirements today.







CML Innovative Technologies Ltd.
 69/70 Eastern Way, Bury St Edmunds,
 Suffolk, IP32 7AB, United Kingdom
 Tel: +44 (0)1284 714700
 email: uksales@cml-it.com

Visit our website at: www.cml-it.com

'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.

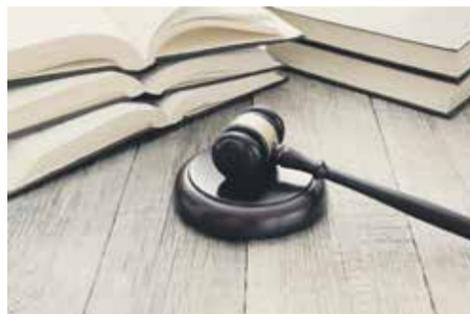
Range of opinion
Always acknowledge there may be a range of reasonably held opinions.

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.

These are:
Do you know your duty to the Court, including your knowledge of relevant legal tests?
Are you an expert on all points on which you are giving an opinion?
Is there a range of opinion, which reasonable and respectable doctors may hold?



Ensure you are clear on your answers before getting into the witness box. This is all about credibility and as far as possible stay away from arguing about legal, technical and ethical issues.

Giving evidence
There are three types of oral examination for all types of witnesses, the evidence-in-chief, cross-examination and re-examination.

For Evidence-in-chief, your barrister or trial lawyer will lead you through your report and highlight any specific points relevant to the case. Cross-examination by opposing counsel looks at those points in detail, helping the Court assess credibility and ascertain whether there are in fact other opinions, which are equally valid. Do not get into an argument with the barrister or trial lawyer who is questioning you. Expect to be put under pressure during cross-examination but resist being provoked. Keep calm and answer to the bench. If you feel that your answers are being cut short unreasonably, ask the Judge if you may expand and follow their direction, always coming across as reasonable and professional. After answering the Judge or presiding officer then look back to the barrister or trial lawyer for the next question.

If you are given new information, which you did not have before then say so and, unless the answer is obvious, do not give a knee jerk reaction but ask for time to think it out. If it is not in your field say so and be careful of your own personal bias, again clearly separating fact and opinion. All your reasoning must stand up to logical scrutiny.

Re-examination is led by the instructing party to clarify issues, which have been raised during cross-examination. This phase is usually fairly short and rarely are any new matters raised.

Keep it simple
Keep all your evidence as simple as possible.

Remember, although the Court consists of lay people, they have considerable expertise and experience in handling different kinds of evidence. Take time to explain the issues at hand in jargon free, transparent terms, the more so if it happens to be a jury trial. Speak slowly, follow the Judge and his/her speed of writing or typing as they will be keeping a record of the proceedings.

Reflection
Reflect on the outcome.

After the verdict, as an expert do not take anything personally and learn what you need to learn. Similarly, as a witness to fact.

Think over what transpired and take time to reflect on what went well and what could you have possibly done better, or at least differently. As Stuart Emery states, 'The path to mastery in any subject is to correct, not protect.'

Be open and honest with yourself and always seek to improve your practice as well as in the reporting and delivery of your evidence.

Once you have done so, move on. Civil Courts are not saying you are right or wrong in general terms, they are saying they prefer one set of evidence over another and it is only in the balance of probabilities.

Conclusion
Whether as defendant, witness to fact or expert witness, the process in civil litigation is the same.

By gaining an understanding and some familiarity with the process, practitioners can develop both confidence and competence in their role of presenting evidence. As an expert, the more often you appear in Court the more competence you gain and therefore the more confident you become.

Healthcare professionals are required ethically and by their professional bodies to continually update their practice, knowing why they do what they do in the way they do it, ensuring practice is evidence-based. However expert you are, you must not become complacent in either your practice or in Court.

Finally, all witnesses must remain neutral, explain the range of opinions, and be aware of their own potential for selective bias in any evidence presented. Courts are reliant on credible, impartial and articulate healthcare professionals and presenting as such impacts greatly on personal, professional and financial standing.

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



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 3,000 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.

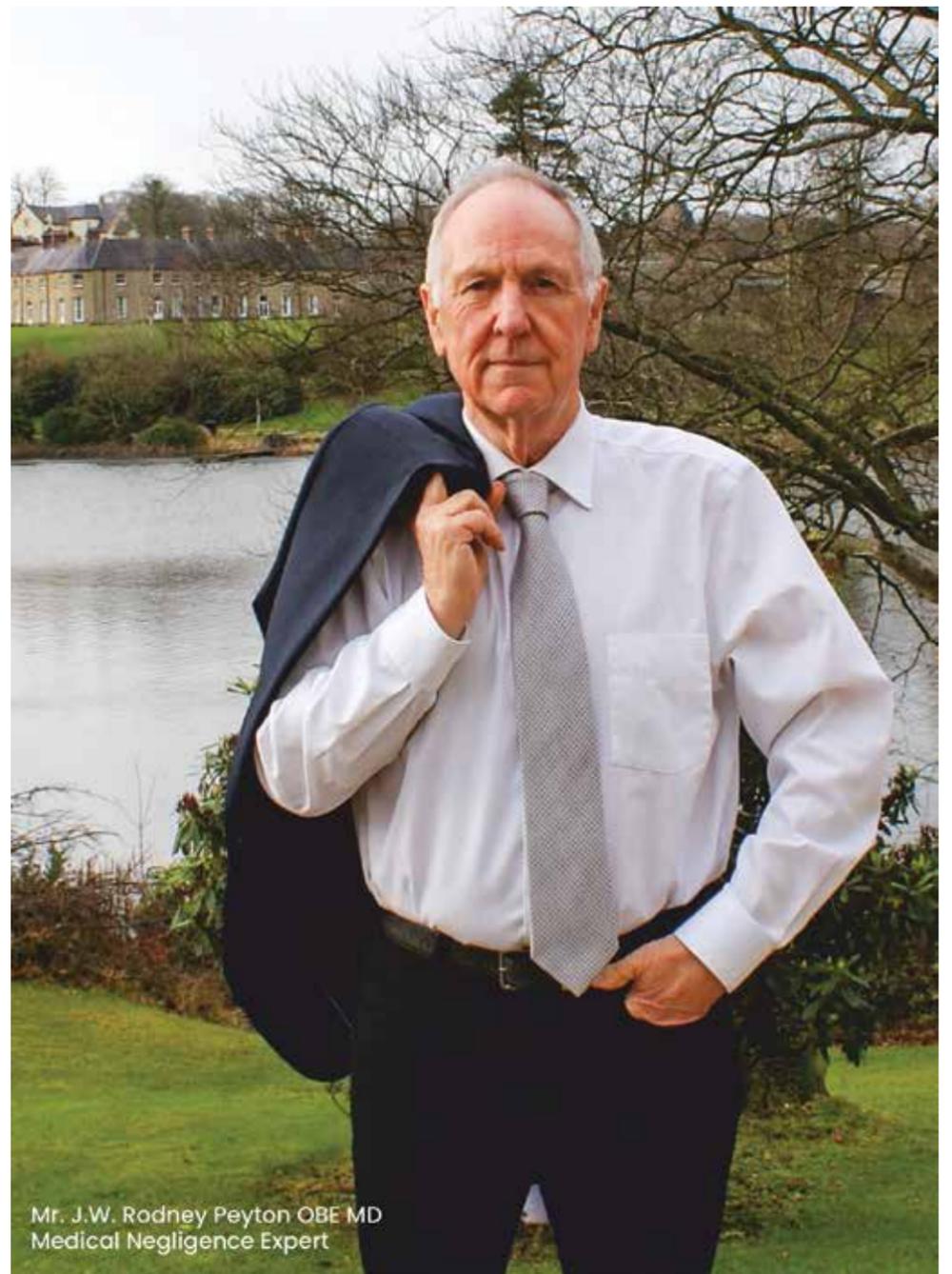
Mr. Peyton further mentions it is important to remember innovation in the legal profession is slow and steady. When in the witness box, an expert must not display innovative behaviors in terms of thoughts about managing cases. As the courts are looking for a fair degree of certainty, all the arguments 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



Mr. J.W. Rodney Peyton OBE MD
Medical Negligence Expert

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

Quality hinges since 1790



Gold & Wassall Hinges has established itself at the forefront of the industry since its inception over 200 years ago. With its manufacturing facilities situated in Tamworth in Staffordshire, Gold & Wassall Hinges provides an impressive range of services for design, production and manufacture of hinges, all produced in house and distributed throughout the whole of the UK. Boasting an enviable reputation within the industry, Gold & Wassall Hinges has positioned itself firmly as the UK's number one manufacturer of hinges.

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



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:
T 01827 63391
www.goldwassallhinges.co.uk



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



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.



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



BESPOKE HINGES



GOLD & WASSALL

EST. 1790

01827 63391 - SALES@GOLDWASSALLHINGES.CO.UK -  @GWHINGES

Fluregiene 200™ provides protection for hygiene conscious parts and surfaces

- Excellent corrosion resistance
- Low friction anti-fouling and anti-stick properties
- Durable and easy to clean/wipe down
- Permanently applied to metals, alloys and plastics
- Built-in antimicrobial technology actively reduces microbes on the surface of the coating.
- Reduces fungal growth and surfaces stay fresh longer

For more information about **Fluregiene 200™** call us now on **+44 01386 425755** or email **info@cwst.co.uk**

Fluregiene 200™

Protecting your surfaces for longer.

Low friction PTFE based coating containing **BioCote®** antimicrobial technology



Easy cleaning of hygiene conscious parts



Reduces microbial growth



Permanent coating protection

CURTISS - WRIGHT

Everlube® Products



Tony Welsh DipFA, Cert CII (MP and ER)
Excel121 Ltd

INDEPENDENT FINANCIAL ADVISER

Pension Rules since April 2015

It is now possible to take all of your pension as a lump sum, BUT there may be tax implications...

Do you have any existing or neglected pensions?

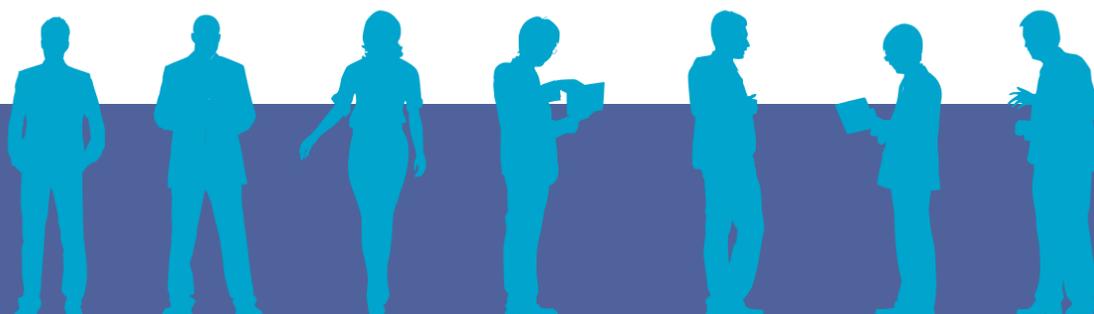
How much could you take? It is the right thing to do?

Contact me for a **FREE** 1 hour consultation to look at your options.

Tel: 0118 402 8978

Mobile: 07768 320430

Email: tony@excel121.com



Excel121 Ltd is authorised and regulated by the Financial Conduct Authority registration no 440045 Head Office 0203 910 0378

Events & Whats On




UP COMING ANTIQUE FAIRS IN CORNWALL

NEXT
ROYAL CORNWALL SHOWGROUND
WADEBRIDGE, PL27 7JE
EASTER GOOD FRIDAY 7TH
& SATURDAY 8TH APRIL




07887 753956 | 01208 368182
www.antiquefairscornwall.co.uk




Rutland Farm Park is a small 18-acre working farm in the market town of Oakham, the county town of Rutland, England's smallest county.

We are open all year round for you and your family to explore our tracks and meet and feed our wonderful and friendly animals.

Opening Times and Admission Prices

Winter
 Monday - CLOSED
 Wednesday - Sunday 10am-4pm
 (Last entry at 3:00pm)

Summer
 Tuesday - Sunday 10am-5pm
 (Last entry at 4:30pm)
 (Summer opening times start when the clocks go forward in March and Winter opening times start when the clocks go back in October)

Open on Bank Holiday Mondays
 Closed Christmas Day and New Years Day

Farm Park Admission
 Adult £8.50 - Child £7.50 - Family £28.00



Please visit www.rutlandfarmpark.co.uk,
 contact **01572 722122** or email
info@rutlandfarmpark.co.uk

40's Weekend
Melton Mowbray

A weekend of 40's Entertainment
 May 13th/14th 2023
 Town Centre & Parks
 10am - 5pm




For more info you can contact
 Shelagh - info@meltonbid.co.uk
 or Sharon - 07837 398610
 Find us on Facebook/Twitter/Instagram



Open Space Gallery

A space for artists and buyers

Open Space Gallery supports the needs of both artist and buyer. We provide a simple and effective way to promote your art to potential buyers in Leicester and the UK. For buyers, we provide all the essential information about the works in our unique 'online gallery', so you can make an informed decision about the artwork and contact the artist directly.

We do not charge visitors to browse our available works.
 Original oil painting of fields of flowers on canvas

Why sell your art through us?

- No hidden fees or commissions on the sale price
- No time limits: your artwork can be listed until it's sold
- Discounts for multiple submissions
- Self-representing artists are always welcome
- We will advertise any art at any price



To submit your art via smart phone you can email us. Attach the image to the email and include a description of your art. Please also provide your name, contact details, asking price (optional), size and medium of art.

Our online gallery is open 24/7, but our team can be contacted directly between the following hours: Monday-Sunday: 09:00:00 - 17:00:00

☎ 07588 907 156
 ✉ openspacegallery007@yahoo.com

www.openspacegallery.co.uk