

INDUSTRIAL

SOLUTIONS UK

ISSUE 669 • October 2023

www.solutionspublishing.co.uk  www.facebook.com/solutionsuknews  @Publishing_2016

THE HEALTH PROFESSIONAL IN COURT

10 principles for practice
see 22-23

IN THIS ISSUE

ERG

see page 6

UNISIG

see pages 8-9

Service Sealing Solutions

see page 11

Eco Physics AG

see page 15

Manosun

see page 16

Watlow

see page 19

BUILDING UPDATE

Vandecasteele

see pages VI-VII



Whats Inside

- 3** **British Encoder**
Sensing & Control Devices
- 6** **ERG**
Odour & Pollution Control Systems
- 8-9** **UNISIG**
Deep Hole Drilling
- 12** **Davies Turner**
Logistics
- 14** **Interface Force**
Force & Torque Measurement Applications
- 16** **Manosun**
Hand Protection
- 17** **Oliver Valves**
Instrumentation
- 26** **Curtiss Wright**
Metal Improvements

Sponsored by



11

BUILDING UPDATE

- V** **DCON Safety**
Safety Consultants
- VI-VII** **Vandecasteele**
Timber
- IX** **LS Products (Ecoclipper)**
Company of the Year
- XI** **Blue Run Ltd**
Custom Made Joinery
- XIII** **Pandor**
Company of the Month
- XVI** **Checkedsafe**
Compliance Solutions

Contents

Issue 669

On the Cover
Peyton Medico



22-23

Editors Comments

Hello & Welcome to Issue 669 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

Contacts

Editorial

Ian Hayward, Editor
T 0121 241 8788
info@solutionspublishing.co.uk

Accounts

Accounts Manager
T 0121 681 0935
accounts@solutionspublishing.co.uk

Production

Production Manager
T 0121 241 8788
production@solutionspublishing.co.uk

Industrial Solutions UK is based on the belief that our customers needs are of the highest priority and the utmost importance, with this in mind our team of highly dedicated staff work around the clock to make sure that those needs are always met.

For more information or format requirements, please see our [Media Pack](#)

For all advertising & sales enquiries, please contact Ian Hayward on: **0121 241 8788**, email: info@solutionspublishing.co.uk or visit: www.solutionspublishing.co.uk

FIND US ON:



The entire content of this publication is advertorial based. To place an advertorial or an advert, please call 0121 241 8788.

Revolutionizing Precision and Control: The Power of NEW Encoder Technology

With encoder technology, you can track the slightest movements with pinpoint accuracy and take your operations to the next level. Whether you are in robotics, automation, or medical equipment, reflective sensor technology gives you the power to make smarter decisions and optimize performance.

Find the best encoder
for your application.
Contact our team

+44 (0) 1978262100

sales@encoder.co.uk

**BRITISH
ENCODER**
PRODUCTS COMPANY



***NEW* Reflective Sensor Technology**

Industrial Applications



A Grupo Antolin Company

CML INNOVATIVE TECHNOLOGIES
WHERE INNOVATION COMES TO LIGHT



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



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**



Easy cleaning of hygiene
conscious parts



Reduces microbial growth



Permanent coating protection

**CURTISS-
WRIGHT**

Everlube® Products



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

Electrical Products

Simonbox IP66 Waterproof Floor Outlet



Gromtec
europe uk

Available
from your
electrical
wholesaler



Occasional Power
Outlet ideal for
concourse, garage
showrooms, pop
up display areas



Available in two finishes

For more information
www.simonbox.co.uk - 0203 2867949

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.



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.

For more information, please contact ERG (Air Pollution Control) Ltd at:
T 01403 290000
Middle East Office
T +962 6515 9021
info@ergapc.co.uk
www.ergapc.co.uk

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





Make the best use of your time



Make the best use of time for you or your staff by taking an accredited online health and safety training course. NEBOSH, IOSH and CPD Short Courses to help you use your time wisely. You can study from home and at your own pace.

- ✓ IOSH Managing Safely Online Course
- ✓ NEBOSH National General Certificate Online Course
- ✓ ROSPA, IIRSM, CPD accredited Short Online Courses

Contact us today and we'll help you save time and money!
Corporate discounts are available.

01482 211989
www.globaltraining.com
info@wiseglobaltraining.com



ERG (Plastic Fabrication) Ltd

At ERG (Plastic Fabrication) Ltd, we specialise in the high quality custom fabrication of process industry vessels and associated components from GRP and composite plastic materials.

With almost 40 years experience of supplying tanks, scrubbers, filters, silos, vessels, piping and ducting, we are sure to be able to meet your requirements with high quality products at competitive prices.

Plastic Fabrication – Materials of Construction

Depending on your specific requirements we can fabricate from a wide range of common plastic and composite materials including:

- PVC – Poly Vinyl Chloride
- UPVC – Unplasticised Poly Vinyl Chloride
- PPVC – Plasticised Poly Vinyl Chloride
- PP – Poly Propylene
- HDPE – High-density polyethylene
- GRP – Glass Reinforced Plastic

**For more information, call 01403 291 000,
 email info@ergpf.co.uk or visit www.ergpf.co.uk**



Taking you up in the world

Direct Hoist has scaled new heights with the addition of a bespoke training centre at its Lincolnshire site offering both familiarisation and NVQ Level 2 courses in hoist installation.

The company offers training on hoists & mast climbers manufactured by both GEDA and Electroelsa with lifting capacities available of between 200kg and 5,000kg depending on the manufacturers used. The new classroom and training tower facility is used to teach candidates both the theory and practical elements of assembly and disassembly of these manufacturers mast climbers & hoists.

The training courses cover up-to-date industry working practices, legal requirements and working equipment knowledge. The on-site facility includes a 10m high training tower, with capacity for transporting a two-tonne platform hoist, with full load to full height, with expert tutors offering hands-on optimal safety training.

The more experienced industry students are offered a two-day specialist familiarisation course in theory and practical assembly and disassembly of various lifts, with a further week-long course available for deeper understanding of erecting and dismantling hoists. Students are examined by an external assessor at the end of the course and will receive an industrially-recognised certificate, if successful.

Direct Hoist's recent expansion into training is testament to its industrious, hardworking team, who always go the extra mile. As a committed living wage employer, Direct Hoist sees its workers as the backbone of the company. But it's not only salaries that are supported, Direct Hoist recently trained some of its staff as Mental Health First Aiders, further signalling its commitment to the Workplace Mental Health Charter, through staff wellbeing.

All new trainees are placed on NVQ courses, rigorous



health & safety training, and further manufacturer courses. More senior staff hold the NVQ level 3 qualifications, which is viewed similarly to the CSCS gold card on construction sites, and as Rob explains, there are many things to learn, "It's surprising how much there is to learn for hoist installation, even for experienced construction workers and managers. We need to know load calculations, equipment specifications, whether there are any voids below grounds or obstructions (such as telephone lines) above."

"Right from the start, new trainees will learn about the specialised nature of construction hoists – including product types, electrical systems, fault-finding,



assembly, disassembly and reconfiguration into alternative layouts."

There are more training programmes planned for the future such as: electrical safety and working at heights. Direct Hoist can help companies scale the heights and take you up in the world.

In May 2022, Direct Hoist became the UK distributor of Electroelsa, an Italian manufacturer of mast-climbing work platforms (MCWPs), transport platforms, material hoists and construction hoists. Rob Wilson commented, "Electroelsa are a top class manufacturer who are leading the way forward, especially with their hoist & mast climbers having data logging technology so if there is an operational problem on-site, a diagnosis can be carried out remotely from anywhere in the world (if need be) on a PC or app on our engineers phone as it's vital to minimise downtime on-site, while maintaining efficiency, cost and ease of use."

At Direct Hoist's recent open days, the Electroelsa PM46 (MCWP) took centre stage on the 10m training tower and received glowing feedback. Elsewhere the expansion of the Electroelsa hire fleet can now be seen on a city skyline near you, its signature vivid yellow is hard to miss. Direct Hoists' future is looking bright.

For more information, contact the team today:
T 01724 781647
info@directhoist.co.uk
www.directhoist.co.uk

SUPPLIER OF CONSTRUCTION HOISTS AND MAST CLIMBERS

01724 781647 **0113 819 9997** **0191 260 0543** **0207 199 8278**



UK DISTRIBUTOR
Electroelsa
GEDA

HIRE
SERVICING
REPAIRS

SALES
PARTS
TRAINING



WE OFFER TRAINING COURSES TO NVQ LEVEL 2 IN HOIST INSTALLATION ON OUR 10 METER TRAINING TOWER









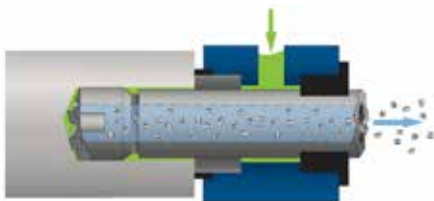

DIRECTHOIST.CO.UK

BTA Drilling: Brazed versus Indexable Tooling

Photos: UNISIG

Deep hole drilling applications can be approached in several ways, but one of the most effective methods is often BTA drilling. BTA stands for Boring and Trepanning Association, although it is sometimes referred to as STS or Single Tube System drilling. Unlike gun drills or twist drills, a BTA drill features internal chip removal, which has advantages in both productivity and hole quality.

The BTA drill head has multiple carbide cutting edges and guide pads mounted to it. Open spaces are designed into the head for chip removal, and chips are evacuated through the drill tube the head is threaded onto. Pressurized



coolant surrounds the drill head in operation, and is key to forcing chips through the head and out the drill tube. This method of chip evacuation allows for a very clean and reliable process with excellent surface finish and high drill feed rates – typically 5-7 times faster than gundrilling at the same diameter. No peck cycles or feed interruptions are needed, resulting in reduced machine time while drilling extended depth-to-diameter ratios even greater than 40:1.

BTA drills are generally available in two forms: brazed or indexable; and tool selection is dependent upon several factors. As the name

implies, brazed tools involve brazing a carbide insert and guide pads onto a steel body, while indexable BTA drilling tools have carbide inserts either directly mounted to the head with a retention screw or seated in a cartridge that is mounted to the tool.

Hole diameter is the initial consideration when determining whether to use brazed or indexable BTA drills. For small hole diameters – generally 12 to 20mm in diameter – brazed tools are often the first choice as it's difficult to make small inserts and screws strong enough to withstand the torque and forces of BTA drilling. (Manufacturers of BTA drilling tools continue to make improvements in indexable BTA heads as small as 8mm in diameter, however).

Brazed tools offer extremely close tolerances and excellent surface finish as the insert and guide pads are mounted and then ground to the specified diameter, providing almost perfect concentricity and cylindricity. Ease of use is also a benefit – simply attach the head to the drill tube and discard it when it has dulled or failed. If you experience a tool failure, the investment in drill head isn't as costly as repairing or replacing an indexable drill head. Finally, an indexable BTA head can only be as accurate as the tolerance



of the inserts themselves; but a brazed head has been ground to a very precise tolerance from the manufacturer.

By contrast, hole diameters starting at approximately 20mm favor indexable tools, primarily for economic reasons. Replacing larger diameter brazed tools is expensive, whereas indexing an insert and guide pads gives an easy extension on the tool's life. Indexable insert manufacturers also offer an exhaustive range of carbide grades, coatings and chip breakers for application-specific advantages.

The placement of the indexable inserts on BTA drill head varies by diameter and by manufacturer, and can include one or multiple inserts mounted directly to the head or set in a heat-treated cartridge, which is then mounted to the head. Guide pads are typically mounted the head to counter the drilling forces and burnish the hole during drilling. Indexing, or rotating, a direct-mounted insert is as simple as loosening the retaining screw and turning the insert to expose a fresh cutting edge. If the insert and pocket were made with tight tolerances, your cutting diameter should remain reasonably consistent.

Cartridge-mounted inserts, however, typically incorporate a shim or other adjustment system to allow for a much more precise diameter setting after indexing inserts and guide pads. This process does require additional equipment, however, such as a micrometer and stand or tool presetter – as well as the skills needed to accurately make the necessary adjustments.

Whether you select brazed or indexable BTA drills for your deep hole drilling application, you will be rewarded with high feed rates and process reliability, along with minimal centerline deviation and excellent hole quality.

Further information on all machines and the complete UNISIG machine program is available at: www.unisig.com or follow the company on LinkedIn and Twitter (@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

UNISIG
DEEP HOLE DRILLING SYSTEMS

Award-winning resin flooring from 100% recycled waste plastic

Our fragile planet is at catastrophic risk from waste plastic, with numerous quantities ruining our bountiful oceans, endangering marine life, human health and ecosystems. Harmful chemicals such as bisphenol A (BPA) and phthalates in plastic can cause havoc in soil chemistry and landfill groundwater.

Abacus Flooring Solutions is a multi-award-winning specialist flooring contractor from Coalville, Leicestershire that has come up with a landmark innovation. By using waste plastic (that would otherwise go to landfill) in industrial resin flooring, the East Midlands based company has revolutionised the flooring industry.

The groundbreaking patented innovation is named 'Abaplas' and is the brainchild of Managing Director, Nick Megson. It is the first exclusive design in the world of its kind, providing a wholly sustainable, eco-friendly flooring method.

Established in 2020, the company designs, manufactures and installs resin flooring for a wide range of industries from industrial, commercial to healthcare. With a dedicated aftercare service, customers benefit from an annual follow-up site visit for cleaning advice and slip testing. Furthermore, the sister company: Abaplas Recycling Limited treats all



carcinogenic substance when inhaled."

"Abaplas instead contains non-harmful recycled waste plastic, which is ground down to a white powder. The process will vastly reduce the volume of waste plastic ending up in landfill or the world's oceans."

"The world's first resin flooring using 100% recycled plastic was installed by Abacus in the enormous VIP Visitor Centre auditorium at JCB's global headquarters in Staffordshire, UK."

the plastic recycling for Abacus resin flooring products and initiates the sales of treated plastic for use by other product manufacturers.

We caught up with Nick Megson, Managing Director to find out more about this award-winning company, "Our products are intrinsically more environmentally friendly than any other flooring product on the market: there is currently no competitor offering a resin flooring that entirely replaces harmful silica sand with 100% recycled waste plastic."

"Resin flooring, along with many other industrial products, has traditionally been manufactured using silica sand, which is a dangerous and potentially

sets a new benchmark for sustainable usage of plastic waste in flooring for years to come, "It is expected that Abaplas Recycling Limited will grow exponentially over the next few years as more clients specify Abacus's 100% recycled waste plastic flooring. Rapid growth is also expected as Nick's unique process becomes adapted for use in a much broader range of flooring, construction and industrial products," concludes Nick.

For more information on Abaplas, please see the website below:
T 01530 432790
nick@abacusflooringsolutions.co.uk
www.abacusflooringsolutions.co.uk



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

RESIN FLOORING SPECIALIST FOR YOUR BUSINESS

Offering bespoke flooring solutions for your business

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



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 and HKD, Service Sealing Solutions Ltd specialises in high-quality service duct sealing systems for utility services and watertight seals.

Service Sealing Solutions Ltd has the exclusive rights to distribute DOYMA 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.

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



Husband and wife team, Jim & Tina have recently visited DOYMA in Germany to find out about the innovative products that DOYMA have been developing

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.



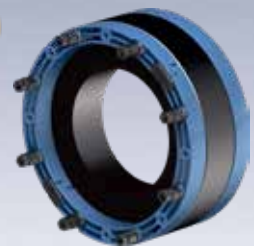
Service Sealing Solutions also supplies HKD products, which are now owned by DOYMA. HKD manufacture a large range of pipe sealing systems and service conduits that are guaranteed to withstand up to four bars pressure. HKD systems have a sealing solution for service conduits cast into concrete without 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.

**For more information, please see below:
T 01952 510050
www.servicesealingsolutions.co.uk**

Service Sealing Solutions Ltd – suppliers of DOYMA products

Service Sealing Solutions Ltd are the sole UK distributor of DOYMA products. 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 to the wall to permanently prevent any infiltration of gases and water into the building, and the duct sealing systems are guaranteed for 25 years. Service Sealing Solutions supply the full range of products to suit all situations for power cables, communication cables, pipes and ducts, and specialising in sealing district heating pipes.

**01952 510050 | www.servicesealingsolutions.co.uk
sales@servicesealingsolutions.co.uk**



Hat-trick Award for Davies Turner Group

For the third successive year, the Davies Turner Group have been presented with an internationally-recognised award by the Royal Society for the Prevention of Accidents, RoSPA Gold Award, further solidifying this company's position as a worldwide freight and logistics partner.

Davies Turner provides pioneering direct UK weekly rail services in conjunction with their long-term partner in China, Air Sea Transport, who has years of experience in the China rail sector.

Since 2016, Davies Turner have operated China to UK rail services for full load (FCL) and groupage (LCL) shipments, assisting clients with their supply chain needs by reducing shipping times in comparison to Sea Freight. The availability of their import rail services has been vital to clients since the advent of the pandemic, where many importers witnessed shipping line ocean transit time delays, port delays and air freight became

cost prohibitive for many large volume or dense cargo shipments.

With confidence and demand for China rail freight services soaring, as evidenced by the 50,000th China-Europe intermodal train embarking on its journey towards the west at the beginning of February this year, Davies Turner have introduced and support a dedicated weekly eastbound rail service for LCL cargo, having undertaken successful trials.

Established over 150 years ago and as one of the first companies in Europe to become accredited as a Full Authorised Economic Operator, this forward-thinking company is now a bona fide international freight forwarder, with an award-winning pedigree.

The group has 15 UK branches, including a head office in Birmingham.

We caught up with Andrew Ford, Branch Manager in Rotherham, Yorkshire to find out more, "The Rotherham branch specialises in awkward and out-of-gauge shipments, shipping many vehicles ranging in sizes and type to small rail engines as well as large machinery moves around the world. Alongside this they offer standard freight forwarding – which means the Rotherham Branch can assist in almost all enquiries they receive: 'from an envelope to a large project.'"

"We have an extensive knowledge of the services that we offer within our branch, with our dedication to detail to ensure where possible shipments smoothly and clients are

updated should there be any delays out-of-our-control."

"We have had a good start to this fiscal year, which was surprising with the current downturn in world trade. Our short-term plan is to improve our office environment with some renovations and also look at team building activities that had to be suspended throughout COVID. We are also looking at more training for our staff so they can gain even more experience and knowledge to help assist our clients."

Despite most of the COVID-pandemic restrictions lifting and shipping costs starting to decrease, the world of international freight still has to contend with the challenges posed by the war in Ukraine, port strikes and a near-global recession.

Davies Turner offers a light at the end of a gloomy tunnel with its express freight rail service and its extensive European overland portfolio with direct groupage, part load and full load trailer services. Customers can choose between express transit and super-express options, in a thoroughly streamlined system.

This year's Royal Society for the Prevention of Accidents (RoSPA) Health & Safety Awards have been added to a growing collection of awards: the prestigious European Logistics Category Award from The British International Freight Association (BIFA), shortlisted for the Supply Chain Management category and now Building Update's logistics Company of the Year, which has delighted Andrew and his team, "We are obviously very pleased to be selected, we pride ourselves in the service we offer to our clients and we appreciate the recognition."

For all transportation quotations and further information, please see the details below:
T 01709 529709
rotherhamsales@daviesturner.co.uk
www.daviesturner.com



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.

Our services include:

Air Freight

Charter

Hubs

Road

Export Freight

Express Freight

IT

Rail

Import Freight

Logistics

Ocean

Specialist



Catering for all your freight needs

www.daviesturner.com/specialist/rotherham-specialists

T 01709 529709 | F 01709 529710

Email rotherhamsales@daviesturner.co.uk

CAMB MACHINE KNIVES

"A Cut Above the Rest"

QUALITY IS OUR GUIDING PRINCIPAL

With over 34 years of experience supplying the machine knives industry. CAMB Machine Knives was established in the UK in 1989 and aimed to provide consistently high quality knives and service to a broad range of industry sectors. Based on these guiding principals, CAMB Machine Knives has flourished and grown throughout Europe, USA in 25 countries worldwide establishing a reputation for high quality products and service.

CAMB MACHINE KNIVES INTERNATIONAL REACH

CAMB Knives International really does have an international reach with a network of exporters and carriers – with offices both in the UK along with agents in Spain, Netherlands, Italy, Germany, South Africa and many more so you'll never be far away from a CAMB Knives representative.



KNIVES FOR INDUSTRY – WE'LL SUPPLY IT

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

CIRCULAR KNIVES

GRANULATOR KNIVES

POULTRY KNIVES

RAZOR BLADE KNIVES

STRAIGHT KNIVES

TOOTHED KNIVES

TRAY FORM KNIVES

TOP/BOTTOM KNIVES

ZIG ZAG KNIVES

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



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-axis 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.

See Interface Force at the Advanced Engineering Show at Stand number P172.

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





People and products you can trust

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

BUILDING UPDATE

ISSUE: 669 October | www.solutionspublishing.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



Please contact us on 01282 861325
sales@kedel.co.uk | www.kedel.co.uk



Vandecasteele
see them on.....VI-VII



Tuff Waterproofing
see them on.....VIII



LS Products
see them on.....IX



Pandor
see them on.....XIII



Checkedsafe
see them on.....XVI



ModConCabins

Manufacturer of Modular, Containers & Cabins

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



INTRODUCING



MODCONCABINTRADER
www.modconcabins.co.uk

info@modconcabins.co.uk

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

+44 (0) 333 404 8822 07842 318869



www.facebook.com/solutionsuknews |



@Publishing_2016

Elevate your business to the next level

In this issue of Building Update, we have selected Elevate Software as our Company of Choice.

Construction project management can often be arduous, requiring smooth communication flows between chief architects, main contractors, chartered surveyors and sub-contractors. With stringent health & safety and contractual laws, alongside urban planning laws and biodiversity considerations, it is essential that project management runs smoothly to avoid undue delays in constructions.

Steve McGowan is the manager of Elevate Software, with extensive prior experience working in construction, from apprentice joiner, to sub-contractor, contractor manager and consultant, under his belt. During his working experience, he noticed that the information flow was key to successful project completion and conversely, the

opposite caused frustrating delays.

"Elevate software can provide real-time updates, directing everyone on actions and this results in the team, prioritising their time and becoming more productive."

"Elevate Assist is a standalone software solution connecting everyone under one digital hub and is exceptionally user-friendly."

"Busy professionals are asked for requests for information (RFI's) daily on multiple projects and with higher management now often working remotely, they need updates quickly in real time, at the touch of a button. Elevate Software does all that and much more," explains Steve.

This smart software design was first market tested in 2007 and was shortlisted for Best Newcomer to Show at The Interbuild Trade show at the NEC to impressed industry professionals.

For more information, contact Steve McGowan on the details below:
T 01962 761693
M 07824 724377
steve@elevate-software.co.uk
www.elevate-software.com



elevateTM
Construction Made Easy

THE COMPLETE PROJECT MANAGEMENT SOFTWARE

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



Please visit www.elevate-software.co.uk,
call 01962 761693 or email
steve@elevate-software.co.uk

Sewage Treatment Systems

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.

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.



HD
SERVICES
LTD

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

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.



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



Roofing

Natural Roofing Slate priced to help YOU win projects

RoofingSlateDirect.com
**High Quality Slate
at Low Prices!**

**Quick & Easy
Website Ordering**

**UK Wide Delivery &
UK Technical Support**

**BS EN 12326-1:2014
to A1, S1, W1 & T1**

**Good match for
Welsh Slate or Ballachulish Slate
at a much lower price**

**Try us on your next
slate roof project and
find out what you've been missing!**

www.RoofingSlateDirect.com
T : 0333 323 1768
E : contact@roofingslatedirect.com

LE TONKINOIS VARNISH



LE TONKINOIS VARNISH IS A NATURAL OIL BASED YACHT VARNISH, USING A CHINESE FORMULA DATING BACK TWO OR THREE CENTURIES. AND WHAT A FORMULA!

IT REMOVES YOUR BRUSH-MARKS, BRINGS OUT THE NATURAL BEAUTY OF THE TIMBER, DOESN'T CRACK OR FLAKE OFF, AND IS PERMANENT, SIMPLY ADD A FURTHER COAT EVERY FEW YEARS.

Please visit www.letonkinoisvarnish.co.uk

Telephone **01628 629892** or email mail@letonkinoisvarnish.uk

Find your perfect platform

IAS's incredible growth strategy since it was established in 2020 has enabled them to unlock new partnerships and reach new audiences, scaling up even faster than they could have ever thought possible. With 35 years of experience in the access industry, Richard Martin – current Managing Director and Owner, and his small but vital three-member team who also have an abundance of experience within the access industry, have already smashed their initial five-year targets as it fast becomes a future ready company demanding speed, efficiency and value in all areas of its service.

With a sole mission to find the perfect access platform for your needs that also comes at the best price achievable, IAS have a number of services available for all customers. Richard explains, "Our main service is that we sell certain manufacturers platforms that include Easylift Spider Platforms, SOGAGE Truck Mounting Platforms, and the Leonardo HD which is a compact, versatile and lightweight mobile platform by Bravi HD."

Starting from nothing, it is completely commendable to witness what Richard and his team have achieved in such a short period of time. "We started from nothing to being a distributor where



we have sold over £2 million worth of Spider machines in the last two and a half years. One million pounds of which was sold to just one individual client, so we are trying to grow the brand as organically as I can and as long as I can keep selling this way the skies the limit for us. The growth of the business from standing start to where we are now is phenomenal and I'm very proud but keen to continue selling Spiders and other equipment," added Richard.

In closing, we asked Richard what does a commitment to excellence mean to the company and how does he feel they achieve this.

For more information, please see below:
T 07483 246878
enquiries@iasales.co.uk
www.iasales.co.uk

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

SUPPLY AND SERVICE SPIDER PLATFORMS AND TRUCK MOUNTED PLATFORMS AND WILL HAVE THE PERFECT ACCESS SOLUTION FOR YOUR BUSINESS.

FIND YOUR PERFECT PLATFORM



INDEPENDENT ACCESS SALES

GET IN TOUCH TODAY OR VISIT OUR WEBSITE TO VIEW OUR RANGE.
T. 07483 246878 | E. [ENQUIRIES@IASALES.CO.UK](mailto:enquiries@iasales.co.uk) | W. WWW.IASALES.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 experienced construction professionals helps to ensure clients' statutory conformity.

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

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

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

This excellent service would not be possible without the leadership of Diarmuid Condon, a construction industry leader who brings unique perspectives to encourage,



support and mentor the abilities of his colleagues. As a construction professional with a surveying background and experience spanning two decades, Diarmuid is emblematic of DCON Safety Consultants Limited's commitment to providing outstanding services to clients.

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

Key to DCON Safety Consultants Limited's services is working as a Project Supervisor for the Design Process and CDM Advisor in various sectors across the Irish construction market. No project is too simple or too complex for the company's construction safety consultants, all of whom are construction professionals with an average of 20 years' experience in the built environment. The ability to maximise this knowledge

and skillset means DCON Safety Consultants Limited can generate distinctive and innovative ideas from traditional PSDP service inputs and outputs.

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

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

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

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

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



Leaders in Built Environmental Safety and Health and Wellbeing Consultancy

Consulting on various aspects of project design, constructability and operational lifecycle matters for local and global commercial clients.



OUR SERVICES

- DESIGN SUPERVISOR
- PLANNING COMPLIANCE
- CONSTRUCTION HEALTH & SAFETY
- HEALTH & SAFETY STRATEGY
- EXPERT WITNESS



Please visit: www.dconsafety.com

Email info@dconsafety.com • Phone +353 (0)1 611 1556
 DCON Safety Consultants, Suite 5, Fitzwilliam Square East, Dublin 2



A CLEAR CERTIFIED VISION

Vandecasteele Houtimport are one of the leading European timber importers and have ambitious aims to trade only in certified timber by 2025

The Belgian fifth-generation family company, founded in 1883, Vandecasteele Houtimport specialises 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.

Sustainability and reliability are an essential part of Vandecasteele Houtimport's DNA. With over 140 years of experience, the company is determined to achieve the goal of trading only certified timber by 2025. The challenge lies with the hardwood and especially the tropical hardwoods. Today they are at 80% certified and have a clear vision: only certified timber has a future.

A long-term goal that can only be achieved by including all partners. Substantial investments have been made over the years to be able to realise this future goal. 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.

Vandecasteele Houtimport has a unique business model. Importing timber from all over the world,



keeping in stock for several years, in some cases, even decades. Stock is our strength and our speciality. In times when supply is difficult or tight, we can count on our invested stocks to guarantee continued supply.

To achieve our goal, we have taken several actions within the company. First, we were assisted by external experts to get the procedures and protocols in place. Secondly, the team at Vandecasteele was reinforced with two 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 120,000 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. Timber is too often prescribed from a specific well-known species. 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 timber species.

Rethink everything: a positive evolution in consumer purchasing behaviour

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 timber. There is a continuous evolution, because of new insights and new legislation.

Our company continues to make efforts to embed sustainability into the business. We validate our organization's sustainability efforts with the Voka Charter for Sustainable Entrepreneurship (VCDO).

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





RE: THINK WOOD



Nature's first choice



My VDC
View and
order stock
online



Prompt
delivery



2025 – our aim is to
trade in Certified
timber only from
2025 onwards



VANDECASTEELE
HOUTIMPORT

vandecasteele.be

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

LS Products BV to introduce new Autonomous range in 2024

In this issue of Building Update, we are pleased to feature LS Products BV as our Landscaping Product Company of the Year.

LS Products BV is the manufacturer of the innovative Eco Clipper electric mower system that was introduced for the turf grower industry in 2018.

Due to the fact that all the mowers in the range are electrically driven and use a special mowing deck design that incorporates small mowing blades, the Eco Clipper range delivers fantastic contour following and has the capability to disperse clippings well even in wet grass.

Furthermore, because of the high-speed mowing system, productivity is inevitably higher and fuel efficiency better due to the small blades and electric drive. The machine is very quiet and versatile under different conditions such as dewy grass and weeds.

The Eco Clipper® Mowing System evolved from the mowing system that was originally developed in the nineties on the turfgrass farm of the Leijenaar family in the Netherlands. At that time, the electrically driven 10m wide rotary mower was a revolution for the turfgrass industry, and up until 2008 there has been various models of this rotary mower developed and marketed by Leijenaar Products BV.

In 2019, the Eco Clipper range was successfully introduced to turfgrass farms across Europe and then in 2020 they introduced the 14.11-meter-wide Eco Clipper: RM14 Butterfly Mower and the Eco Clipper

TM14 tri-deck mower that were both revolutionary mowers for the turfgrass growers and sports ground sectors.

Syb Leijenaar is the Managing Director of LS Products BV and has a vast amount of experience that is deeply rooted in mechanical engineering and mechatronic systems design, and is one of the creators of the Eco Clipper range. We asked Syb how the company has fared over the last 12 months and what plans it has for the future.

"The last 12 months have been slower business wise, although it seems business is picking up since summer. As we are an agile company, we used the opportunity to spend more time on new developments. Our current developments are mainly focused on autonomous large area mowing. Our autonomous mowing system will be introduced in the coming year. We offer a 309cm or a 513cm wide Eco Clipper mowing deck where the power comes from either a diesel generator or a 61kWh battery pack."

"We are keen to increase productivity in large area quality mowing, hence lowering the mowing costs for our customers. For turfgrass growers and sports ground managers, we already have the most productive equipment in the market due to the large cutting width and high possible mowing speeds. For the autonomous mower it is important that it can be operated safely without immediate supervision otherwise it won't save labour. Therefore, we have partnered with a Danish firm that fully focuses on safe operation of autonomous equipment in the field."

Due next year, the Eco Clipper Autonomous

Mower uses three different types of obstacle detection: camera; lidar; and radar for its safety in dusty environments. The new Autonomous range will meet speeds of up to 16km/h and surpasses all safety standards with its cutting-edge obstacle detection technology.

"Over the next few years we expect to grow gradually in the sports ground market. We receive strong feedback from our users stating that they like the capacity, quiet running and economic use of fuel. In 2024, we will be introducing the autonomous mower on a couple of selected farms. We want at least a year of real-life experience before we introduce these systems to a wider audience," added Syb.

LS Products and its Danish partners are really pushing the boundaries in autonomous mowing solutions, and the next five years are looking very fruitful for both businesses. In closing, we asked Syb how he felt receiving our award.

"I feel honoured being selected for the Landscaping Product of the Year Award. When you work with these products every day, you no longer notice that they are different. This award reminds us that we stand out. We are proud of that."

For more information, please see below:
info@ecoclipper.com
<https://www.ecoclipper.com>



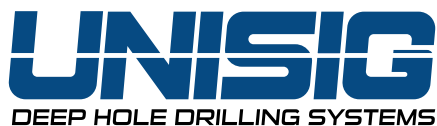
'Dedicated to offer the best mowing system for maintaining large area turfgrass'

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

ECO CLIPPER®

Deep-Hole drilling automation is more than part load/unload

Originally published in Modern Machine Shop



Photos: UNISIG

For deep-hole drilling, part handling might be the most visible automation element, but it's not necessarily the most impactful. Often, it's internal process automation that yields the most significant results even with a manually loaded drilling machine.

When it comes to automating deep-hole drilling, there are challenges unique to the process itself. These include fixturing complexities – where maintaining alignment requires elements such as guide bushings and tool supports not present in a conventional lathe or milling machine – and part attributes such as length and weight.

Long parts mean a long drilling cycle time, and maintaining production rates often requires multi-spindle, deep-hole drilling systems. Unfortunately, stopping a two or four-spindle machine means two or four spindles sit idle until the parts are loaded and unloaded. So in these instances, the more parts in the machine at one time, the more automation can actually inhibit cycle time while the machine is running.

Solving this problem in multi-spindle machines requires internal automation to achieve the objectives of lean manufacturing and one-piece flow. In-machine loaders singulate processes so that even within a small four-piece batch you maintain one-piece flow. The operator or automation device puts in a part and takes a part out and the machine does a bit of maneuvering inside to sequence those four parts in such a way as to minimize spindle downtime while maintaining upstream and downstream processes for one-piece flow. For instance, parts could be loaded onto a smart conveyor, indexed, and lifted into chucks for the drilling cycle before robotic unloading on the out-feed side so that there are no bottlenecks to a steady production flow.



Tool life management is another form of internal automation. Getting feedback to the machine enables the deep-hole drilling process to adapt or halt, if necessary, before tools and parts are damaged.

Tool life management is built into a machine's control, and the machine senses torque thrust and coolant. Chip condition is usually the first indicator of wear, which would otherwise require an operator present to detect, so the machine actually monitors the process and can predict tools starting to wear and identify when they need to be changed. A tool life management system also can count distances drilled and the number of cycles then prompt a tool change at the appropriate time.

That kind of in-machine automation smooths the path for external automation. As the process builds, highly standardized options for robot-ready machines such as an automatic door, workpiece-

present sensors and programmable workpiece fixturing makes it easier to add a robot at a later date. These robot-ready machines also create efficiencies before they are fully automated. Even with manual loading, the automatic doors and programmable clamping make the process more efficient.

In UNISIG's experience, an embedded reamer tool changer enables manufacturers to manage significant throughput increases, even with an operator. With this technology, operators can maintain the pace of production loading the machine, while eliminating the task of inserting reaming tools for each cycle. This allows the operator to redirect efforts towards tasks such as additional quality checks and off-machine setups.

Please visit www.unisig.com or follow the company on LinkedIn and Twitter (@UNISIG).



Bluerun Ltd once again achieves excellence in the workplace

In this issue of Building Update, we are proud to announce that we have selected Bluerun Ltd as the recipient of our Commitment to Excellence award.

Upon reopening its doors in May 2020 after the COVID-19 pandemic, Bluerun Ltd has gone from strength to strength with its trusted brand now being known as one of the best in the joinery industry that has recently attracted big name brands turned clients, Starbucks and Waitrose.

2022 was a great year for the company in terms of revenue and new business. It has managed to maintain a strong conversion rate despite the current economic crisis and has found that enquiries for larger jobs as opposed to 'single window' types of jobs has been more popular especially from domestic clients which mimics that of its regular commercial clients.

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!"

Of course, the company has the capabilities to manufacture most things from timber, hardwood, softwood, panels and sheet material. Some common items Bluerun Ltd manufacture for the domestic building market include windows, doors (exterior and interior), bi-folding doors, staircases, bespoke storage units and wardrobes, all of which come with the option of being sprayed in primer or to a finish.



Dee Newman, Finance Director at Bluerun Ltd presented the Commitment to Excellence Award

If you're looking for items made from both hard and softwood or even veneered and painted panels, Bluerun can reproduce an array of items including replacement sashes, where it can manufacture a brand new one on a like for like basis, so the mouldings will match. "Similarly, if a domestic client has found an image of a door, for example, that they would like us to reproduce, we can usually do that. Recently we

have started using a glass supplier that can supply us with stained glass effect units, complete with leading that has been aged and soldered, which looks absolutely breath-taking," added Dee.

Bluerun only produce purpose made joinery to client's drawings and specifications. Its unrivalled level of customer services means that free quotations are normally provided within 2-3 days or less, and the company can usually deliver a quick turnaround of any manufactured items required. And, because it has an experienced spray operative in charge of a modern spray paint and lacquer facility, articles can leave the factory in a fully finished state, ready for installation on-site.

What really sets Bluerun apart is that since its establishment it has never used computer aided machinery for any designs. Crafted to perfection, all items are finished by hand, drawings are prepared with pencil and paper, and everything that is manufactured by the team has been done so with the utmost attention to detail. It also has the ability to obtain colour matches of any paint colours for clients that would prefer something sprayed to a finish.

Apart from needing the item to fit out its workshop doors upon completion, there is no limit to any project that Bluerun will endeavour to take on. Inspired by a challenge, Bluerun will do its utmost to cater to all enquiries.

T 01799 599995
dee@bluerunltd.co.uk
www.bluerunltd.co.uk



QUALITY, CUSTOM MADE JOINERY



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



Please visit our website: www.bluerunltd.co.uk

Tel: 01799 599995 | Email: dee@bluerunltd.co.uk f bluerunltd @ bluerun_joinery

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, jams, floor bricks, pammets, 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.

Contact
T 01787 269232
www.bulmerbrickandtile.co.uk



The Bulmer Brick & Tile Co Ltd









T 01787 269232
bbt@bulmerbrickandtile.co.uk
Please visit: www.bulmerbrickandtile.co.uk

Environmentally Friendly Wood Treatment Products

Protek ESP



The two major problems for the timber industry are sheet materials not performing to class, and pressure treated timber rotting where the ends have been cut.

Protek and the Gloucester Timber Company knew the answers, so formed Protek ESP to produce and market two products that effectively cure these two issues.

ESP Panel

ESP Panel is a groundbreaking innovation for the sheet material market, it stops delamination, it makes sheet materials last longer, it makes them stronger. It is easy to apply and environmentally friendly.

ESP Timber

ESP timber has been specifically designed to re-treat the cut ends on pressure treated timber, proven to stop rotting, fungi attack and therefore makes treated timber last longer. It is easy to apply and environmentally friendly.

Our ESP tells us the answers to these issues are ESP Panels™ and ESP Timber™


Every Sheet Protected

If you sell or use sheet materials or treated timber, you really need ESP Panels™ and ESP Timber™

If you care about the planet then use more timber and timber related products, they are the only carbon negative building products, and make them last longer, trapping more carbon in the built environment for longer.

sales@esp-timbertreatments.com
www.esp-timbertreatments.com






Inside and Outside Wood Protection
Est 1983
Celebrating our 40 years anniversary



www.protekwoodstain.co.uk



**STRUCTURAL
TIMBER
AWARDS
2023**

**2023 FINALIST
PRODUCT INNOVATION
AWARD**

call us today 01749 344697

Quality and service count: Customised doors and panelling

In this issue of Building Update, we are delighted to select Pandor Ltd as our Bespoke Door and Panel Manufacturing Company of the Month.

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

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

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

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

"The COVID-19 pandemic set us back of course, as the construction industry ground to a standstill. We soon restarted though and have been ever busy, focusing on adding new services in the near future. Our unique selling point is our investment in modern machinery across the board, ensuring that we always



produce the highest-quality products. These include a Holzher 5 Axis CNC Twin Bed Router, heavy-duty sanding machine, veneer flow line press and first-class lipping and edge banding."

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

Fire doors are given FD ratings from 30, 60, 90 to

120, with FD30 being the most common choice. This typically gives 30 minutes fire safety protection, in the event of a fire.

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

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

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

**For more information,
please see the details below:**
T 0208 2797611
M 07909 530007
mike@pandor.ltd
<http://pandor.ltd>



Pandor

**BESPOKE DOOR AND
PANELLING MANUFACTURERS**

FIRE DOORS | ACOUSTIC DOORS | PANELLING | DOOR FRAMES

THREE KEY VALUES

SUPERLATIVE QUALITY | SHORTEST DELIVERY | ATTENTION TO DETAIL

OFFERING SERVICE LIKE NO OTHER

EXCELLING IN ACHIEVING FAST LEAD TIMES
FOR BESPOKE FIRE DOOR SETS

QUALITY AND SERVICE WITH A SMILE

PROUD MEMBERS OF THE BM TRADA Q-MARK SCHEME
FOR FIRE DOORS YOU CAN DEPEND ON

UNIT F2/F3 | LONDON ROAD TRADING ESTATE
SITTINGBOURNE | KENT | ME10 1SX
CALL: 0208 279 7611 | 07909 530 007
EMAIL: MIKE@PANDOR.LTD | PANDORLTD@HOTMAIL.COM

Safety Consultancy





DCON Safety Consultants is committed to understanding the specific needs, goals, and desires of each individual client and project.

T +353 (0)1 611 1556
info@dconsafety.com
dconsafety.com

Sign Plaques & Architectural Castings





Manufacturers and designers of high quality fingerpost signs, bandstands, bespoke canopies, Porte-cochère, blue plaques, noticeboards, cast signage, memorial plaques, street furniture, gazebos and much more.

T 01298 814941
www.leanderuk.com

Portable Buildings



ModCon Cabins provides modern, affordable and bespoke modular and portable buildings for a multitude of situations, each one carefully crafted from new and used shipping containers.

T 0333 404 8822
modconcabins.co.uk



Deep Hole Drilling




Our industry-leading customers around the world rely on UNISIG® deep hole drilling technologies for powerful, productive solutions and value. We engineer our machines to handle a complete range of applications, and support them with our high level of expertise and service.

www.unisig.com






Interior & Exterior Furniture



BESPOKE CRETE

BespokeCrete creates beautiful, elegant and unique furniture, that is made to order – Handmade in the UK & built to last

Microcement is a cement and resin hybrid that is applied to a multitude of surfaces – perfect for inside or outside use. Our workshop and team of skilled applicators can create most design concepts.

BespokeCrete creates custom and bespoke furniture, outdoor kitchens, kitchen worktops, waterfall islands, patio sets, indoor table & bench sets, coffee tables, baths, sinks and so much more – that is fully waterproof, heat, stain and scratch resistant.

Please feel free to send us a message so we can make your design idea a reality
Phone 0800 061 4157 • info@bespokecrete.com • www.bespokecrete.com

Compliance Solutions




CheckedSafe was developed to provide simple and inexpensive compliance solutions that could be tailored to any industry.

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

Timber




The Company was founded in 1883 by Louis Vandecasteele. In those days, wagon making was the main commercial activity. Desiré Vandecasteele, son of the founder, then added a small sawmill.

Contact
T +32 56 43 33 00
vandecasteele.be/en

Machinery






With 35 years of experience in the access industry, we will find the platform most suited for your needs and supply at the best price achievable.

Independent Access Sales offer a complete service management facility throughout the UK.

T 07483 246878
enquiries@iasales.co.uk
iasales.co.uk

Landscaping Machinery

Eco Clipper offers large electric-powered mowers that help field managers minimise mowing costs for sports fields. Users report high productivity gains and appreciate low maintenance requirements, quiet operation and the ability to schedule mowing even under less favourable mowing conditions, such as early morning dew and wet autumn.

T +31 (0) 6 46 75 35 60
www.ecoclipper.com



Engineering & Consultancy




Bartels & Vedder is an engineering firm, specialised in floating and flood proof buildings and structures.

T +31 (0)6 422 398 53
www.bartelsvedder.nl

Waterproofing

TuffStuff® is the UK's premium designer, manufacturer and supplier of heavy-duty GRP waterproof flat roofing systems.

T 01977 680250
orders@tuffwaterproofing.co.uk
www.tuffstuff.co.uk

Fixings




Our Award Winning Solutions 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.

T 01884 560477
info@swifix.co.uk
www.swifix.co.uk

Storage




Wallbed Systems offers a large range of wallbed hardware designs. We produce many different styles of wallbeds and ship all over the world.

Contact Jeremy Waller,
T +44 (0)208 704 5796
jeremy.waller@
wallbedsystems.co.uk
www.wallbedsystems.co.uk



CheckedSafe®

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



Driver's app
for easy checks



Fleet portal
for full reporting



GPS tags
for locations



DVSA-compliant
for efficiency

Ask us about our new **License Check** service



watch our video

Try free for 30 days
checkedsafe.com



Fleet Innovation
of the Year 2022

BiBas

Innovative Business
of the Year 2022

NTA

Transport Supplier
of the Year 2019

NATIONAL
TRANSPORT
AWARDS



ECO PHYSICS AG develops new three-channel chemiluminescence analyser (NO/NO₂/NH₃)

In this issue of Industrial Solutions, we are pleased to feature ECO PHYSICS AG as our Industrial Emission Monitoring and Gas Manufacturing Control Company of the Year.

ECO PHYSICS AG offers innovative analytical solutions for measurement tasks in the fields of environment, health and process control. Using its vital expertise and technology to contribute towards environmental preservation, human health, and industrial innovation, ECO PHYSICS' interdisciplinary research and development team work tirelessly to deliver the best customer orientated and tailor-made products and services for the industry.

Founded in 1990 through a management buy-out, ECO PHYSICS stands strong today as an independent Swiss shareholder's company with an active board of members who are committed to the future growth and success of the company. We spoke to Dr. Grischa Peter Feuersänger, Head of Sales & Marketing who explained how the past 12 months have fared.

"We have received a positive recovery post pandemic. Many public projects were reopened which generated a lot of opportunities for new references. The war in East Europe is a new tough challenge to overcome, especially for companies that rely almost completely on importing parts and exporting their finished products. But the main challenge for all of us has particularly been the manufacturing costs, shipping routes and exchange



rates. Since 2022, we have used this time to expand our product portfolio and modernise our production line. New staff has been hired for production and R&D, and we have rearranged the supply chain due to the rise in production costs. We have adapted our yearly forecast to cater to this, we know it will be hard, but optimisation is our current goal."

Knowing there is no quick fix to economic changes, ECO PHYSICS is determined to continue innovating and has developed a new three-channel analyser based on chemiluminescence. As an upgrade from the The nCLD AL2, The nCLDAL3/8555 CY analyser is the next generation in high precision nitrogen oxide measurement. Unique in speed and reliability, the nCLDAL3/8555 CY is modular designed and capable of simultaneously NO, NO₂, NO_x, NH₃ and NOX-Amines. The new and intuitive graphical user interface also individually displays and connects to other instruments' data.

Overall stability and reliability are lifted to a new level. The optional electro-mechanical bypass system balances out even the fastest of pressure variations occurring in the sample flow. Furthermore, the analyser is adaptable to numerous non-standardized applications and the calibration of the unit runs quickly and automatically with all necessary data available anywhere at any time. Its user friendly, compact, modular, and intelligent hosting its own CPU whilst enabling interaction with other CPUs by BUS-communication.

Additionally, ECO PHYSICS has also been developing upgrade kits for all its existing products to help counteract some of the problematic complications the supply chain has caused. "We have used this chance for some substantial upgrades in hardware, software and gas flow controls," added Dr. Grischa Peter Feuersänger.

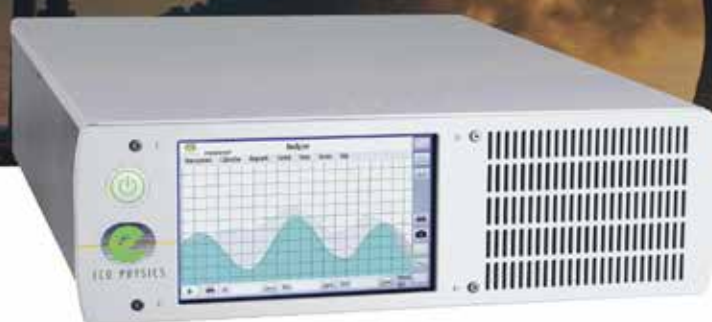
Going forward, ECO PHYSICS is excited to continue working on optimising production workflow whilst simultaneously expanding its current portfolio and developing new technologies.

In closing, we asked Dr. Grischa Peter Feuersänger how the company felt receiving our award. He responded, "We are extremely honoured to be nominated, thank you."

T +41 55 220 22 22
info@ecophysics.com
<https://www.ecophysics.com>

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 DUERNEN · TEL +41 55 220 22 22 · FAX +41 55 220 22 55 · E-MAIL info@ecophysics.com · [WWW.ECOPHYSICS.COM](http://www.ecophysics.com)

Hand protection that is a cut above the rest

Since the company was established in 2020, its mission has been to bring change to the end-user experience in selecting and buying industrial gloves, gauntlets and sleeves (PPE). As the designer and manufacturer of such an innovative range of quality industrial hand protection that is available for all industrial applications, Manosun is breaking the mould of traditional offerings with a core range of hand protection that are safe and the perfect fit for anyone that requires PPE.

"We believe our services outweigh that of any competitor because as well as our core-range of products, Manosun offers a quick turnaround product

development process where we evaluate the end-user's processes and tweak/develop a more fit for purpose product. As well as our FOC site-survey to enhance any risk assessment, we also add volume to any work operating procedure," stated Steven Patterson, Country Manager UK & Europe.

Manosun breaks its products down into three category's that ensure excellence, longevity and value for money. Each product is made to the highest 'Quality' meaning only the best quality materials and yarns are used to ensure a long-life product that can be used over again without wear or tear, and that also give comfort to all users. 'Service' –

Manosun prides itself on its quick turnaround service whether that be an order process, sample request, or site survey. Lastly, 'Value,' Manosun believe that not only does the cost-in use value matter but also its business values too. "We work closely with our distributors and end-users to nurture them in a partnership arrangement that supports each other's enterprise," added Steven.

Manosun's current portfolio consists of a large range of hand protection products where

it works with all end-users including globally known brands such as Nissan, JDR Cables, and SUEZ. Also part of its service, Manosun will survey any work environment, advise on the correct level of hand protection needed or if needed, and will even develop a brand-new product to the exact requirements of the customer.

For the past 12 months, Manosun has been concentrating on the growth and awareness of the brand. Its initial approach to 2023 was to increase the awareness its products and dedicated a quarterly plan that would see them employ two new field sales persons in Q1. The first started on May 22nd and the second will start in the following six months.

From there, the plan is to keep moving in an upwards trajectory for the rest of 2023 and beyond. "Moving forward, we will continue to grow our range of products. In 2023, we launched the Manosun BASIC range (not yet on the website). This is a range of gloves that contain rPET created from recycled materials (Plastic) to make industrial Polyester, each pair of gloves contains on average 36% recycled materials. Having a commitment to excellence means everything to Manosun, which is why we work with the BSIF as well as local networking and support groups NEAA (North East Automotive Alliance) and the AMF (Advanced Manufacturing Forum) to learn and adopt Best Working Practise from local industry as well as National and European requirements as a PPE provider/manufacturer currently instructed by the BSIF."

Contact Steven Patterson:
T +44 (0)7468 904409
steven.patterson@manosun.co.uk
www.manosun.co.uk



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, your 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

f www.facebook.com/manosun
in www.linkedin.com/manosun



MANOSUN

**We Innovate Valves.
We Build Valves.
We Are Valves.**

World-leading

Valves for Hydrogen, Carbon Capture, Topside, Subsea, and Pipeline Applications.

olivervalves

Instrument & DBB Valves

- Manifolds, Needle, Check and DBB Valves to 22.5K psi
- Cryogenic
- Severe Service 650°C, 10K psi
- Forged & Bolted Construction



olivertwinsafe

Pipeline Valves

- 1" to 20" Bore Size
- High Temperature
- High Pressure
- Cryogenic
- API 10K Design



oliverhydcovalves

Hydrogen & Carbon Capture Valves

- Instrumentation, Ball, Needle and DBB Valves for Hydrogen and Carbon Capture Applications
- Pipeline Ball Valves up to 18"
- 10K Ball Valves for Hydrogen Fueling Stations



olivervalvetek

Subsea Valves

- Diver & ROV Operated Needle Valves
- Ball Valves Up to 15K
- Manual & Hydraulic Parallel Slide Gate Valves 3/8", 1/2", 3/4" and 1"



We Manufacture Valves for Global Energy Projects.
Find Your Local Supplier Call +44 (0)1565 632 636

olivervalves



Reliability Under Pressure

+44 (0)1565 632 636 | sales@valves.co.uk
www.valves.co.uk

Oliver Valves Ltd Parkgate Industrial Estate,
Knutsford, Cheshire, WA16 8DX, United Kingdom

Oliver Valves wins order for Major Green Field Project

Oliver Valves has won a significant order to supply a large number of Metal Seated Double Block and Bleed Ball valves to a Major Green Field onshore project located in the Kingdom of Saudi Arabia.

Territory Manager for the Middle East, Haridas Embanath says, "Winning the order was the result of strong relationships with our distributor network and end users in the region, but it's really down to the efforts of our engineering and support team that provided the perfect valve solution to meet difficult cost restraints."



Value engineering is second-nature to Oliver's. By working closely with customers and engineering consultants, the scope of work can be understood and project objectives fully realised. Cost is a fundamental consideration for customers, and modelling scenarios using various combinations of materials and designs can help to find the best valve solutions possible. Value engineering on this project has resulted in valves manufactured with Carbon

Steel body and trim, and Inconel Weld Overlay. The estimated additional saving for the customer is around 20%-30%.

For more information on how Oliver Valves can supply your project with the very best valve solutions, contact Oliver Valves on: +44 (0)1565 632636, email: sales@valves.co.uk or visit: www.valves.co.uk

Oliver Valves chosen to supply world's single largest Offshore Wind Farm

Oliver Valves are to supply a range of Modular and Monoflange double block and bleed valves to the Hornsea 3 Wind Farm project located in the UK sector of the North Sea. Hornsea 3 has two platforms, link 1 and link 2. These are unmanned and operated from shore with access to carry out maintenance done by vessel or helicopter.



These High Voltage Direct Current (HVDC) offshore converter platforms have a combined capacity to produce 2.852GW, enough to power the average daily needs of over 3 million UK homes. This makes it the single largest offshore wind project in the world.

Manufactured from 316 Stainless Steel, Super Duplex, and Titanium materials, valves are to be used in cooling systems and firewater applications. Regional Manager for Scotland and Scandinavia, Colin Wood, says, "We're extremely proud as a business to supply valves for operation on large-scale

green energy projects, and it's particularly exciting to be working with a UK-based green project, such as Hornsea 3."

"We're committed to supporting a Net Zero Emission future, and have recently launched a range of zero seat leakage valves for hydrogen applications. Our investment in designing new and innovative valve technologies is having an enormous impact and is hugely significant – even a game changer!"

For more information on how Oliver Valves can support your green energy project with the very best valve solutions, contact us on: +44 (0)1565 632636, email: sales@valves.co.uk or visit: www.valves.co.uk

The best available technique that is revolutionising Breather Valve Testing

Assentech was incorporated by Ewart Cox (pictured) in 2008, who had 25 years industry experience, with the main aim of supplying quality equipment as well as providing technical advice and maintenance support for tank storage, fluid transfer and process safety applications. As the current Managing Director and a leading advocate for breather valve management and emission control, Ewart has recently been recognised in the Storage Terminals Magazine Top 100 Tank Storage Influencers Guide 2023. This recognition comes highly respected in the industry and serves as a testament to his relentless pursuit of excellence, his commitment to innovation, and his significant contributions to the tank storage sector.

Ewart shared, "We have left the path most trodden and forged a new direction that benefits both customer and the environment. My 25 years of experience to help customers, standards organisations, non-profit safety organisations and the regulators to reduce odours, improve safety at the same time as customer profitability is great for the image of our industry and helps to stimulate discussion on aspects, we feel are important."

Currently, Assentech supplies products from prestigious manufacturers located across the Globe. Always focused on delivering quality solutions with focus on the environment, site safety, operating efficiency to protect assets, improve profitability, safeguard stakeholder confidence and evidence compliance.

'Buying once, buying well' is a familiar phrase with Assentech customers who are encouraged to evaluate their product selection by understanding the technical specifications of premium products and not base their purchase decisions solely on price. Assentech firmly believes that quality products have lower cost of ownership and protect the environment better than the false economy of buying cheap equipment.

Assentech's core strength is its comprehensive understanding of breather valve functionality, compliance and comparative knowledge of the breather valve marketplace providing its customers with a unique and supportive overview to help guide decision makers.

Certified by a UKAS accredited company to ISO 9001, ISO 14001 and ISO 45001, its enviable reputation is the outcome of its core strengths which is to provide specialist engineering services, environmental solutions and safety equipment for process industries dealing with flammable, hazardous or corrosive substances. "Our main objective is to help clients achieve regulatory compliance, reduce emissions and optimise their production processes," stated Debbie Pearce, Director.

Assentech Management is also represented on two International Standards Committees with Ewart Cox currently writing an environmental annex for API2000.

In recent news, Assentech has just launched its new innovation: Vent-Less. A ground-breaking technology that is automated with AI and algorithms which enables breather valves to be tested according to API2000 testing protocol.

A huge risk to any tank storage facility is through the breather valves that are installed on a tank. A breather valve or also known as a PVRV (Pressure and Vacuum Relief Valve) is a valve that protects tanks and vessels from overpressure and vacuum conditions. It opens when the internal pressure exceeds a set point, allowing excess pressure to escape, and opens again when the internal pressure drops below atmospheric

pressure to prevent collapse. It's widely used in various industries to maintain safety and prevent equipment damage or product loss.

With the focus on the environment, Assentech has spent eight years of R&D to develop Vent-Less, which is designed to check functionality, sealing and performance of individual breather valves on both vacuum and pressure ports.

"Vent-Less will provide a full leak and functionality test in less than two minutes as well as irrefutable results."



The technology is revolutionising tank storage facilities and is unique to the world providing a best available technique to quantify, monitor and reduce emissions for environmental reporting, ESG metrics and providing valuable data for net zero analytics. We have seen heightened interest on our unique Vent-Less technology which is the only equipment globally that will enable emission quantification," said Debbie.

You can find out more here: <http://www.assentech.co.uk/automatic-mobile-smart-test-bench-for-breather-valves-pvr-vprv-vrv-improve-efficiency-and-reduce-emissions>

For more information, please see below:
T 01726 844707
info@assentech.co.uk
<http://www.assentech.co.uk>
<http://www.assentech.co.uk/anaerobic-digestion-biogas-pressure-and-vacuum-relief-valves-with-flame-arresters>








A Vital Tool to Evidence the Reduction in Fugitive Emissions for ESG and ISO 14001 Reporting

VENT-LESS

We are proud to launch the World's first range of fully automatic breather vent functional test benches.

Revolutionising testing through technology and innovation.

- ACCURATE AND AUTOMATIC CALIBRATION AND TESTING IN ONLY 2 MINUTES BY ONE OPERATOR
- REVOLUTIONARY SOFTWARE ALIGNED TO THE TEST PROTOCOL DEFINED IN THE INDUSTRY STANDARDS
- QUANTIFIES EMISSION VOLUME FOR ESG REPORTING
- REDUCES THE RISK OF EXPLOSIVE ATMOSPHERES FOR DSEAR COMPLIANCE
- IDENTIFIES LEAKAGE RATE TO REDUCE FUGITIVE EMISSIONS
- YOUR 'INDEPENDENT ASSESSOR'
- IDENTIFIES INEFFICIENT AND NON-COMPLIANT EQUIPMENT
- EVIDENCES TANK VENTING DUE DILIGENCE AND DUTY OF CARE
- INSTANT FUNCTIONAL TEST CERTIFICATE FOR EACH VALVE INCLUDING PRESSURE PROFILE
- EVIDENCES ADJUSTED SET POINT FOR INFORMED PROCUREMENT AND MAINTENANCE DUE DILIGENCE
- EMPOWERS THE OPERATOR TO PROVE BEST PRACTICES IN ACCORDANCE WITH THE STANDARDS
- ENSURES COMPLIANCE TO INDUSTRY STANDARDS/RECOMMENDATIONS, IE API2000, ISO28300 AND EEMUA231
- IMPROVES PRODUCTION EFFICIENCY AND QUALITY OF MEDIA THROUGH IMPROVED SEALING
- EXTENDS LONGEVITY OF STORAGE TANK AND SURROUNDING EQUIPMENT
- CONTRIBUTES TOWARDS ISO14001 ENVIRONMENT FOR CONTINUAL IMPROVEMENT

"KEEPING THE TANK STORAGE INDUSTRY SAFE, COMPLIANT AND PROFITABLE"



Creates instantaneous leak test certification



+44 (0)1726 844 707
www.assentech.co.uk
info@assentech.co.uk

Thermal loop solutions: A path to improved performance, sustainability and compliance in heat treatment



Heat treatment processes are a crucial component of many manufacturing processes, and thermal loop solutions have become increasingly popular for achieving improved temperature control and consistent outcomes. But many OEMs are missing opportunities where thermal loop solutions offer more than just greater control. In this article, Peter Sherwin, global business development manager heat treat and Thomas Ruecker, senior business development manager at industrial heating technology supplier Watlow, explore the possibilities of thermal loop solutions.

A thermal loop solution is a closed loop system with several essential components, including an electrical power supply, power controller, heating element, temperature sensor and process controller. The electrical power supply provides the energy needed for heating, the power controller regulates the power output to the heating element, the heating element heats the material, and the temperature sensor measures the temperature. Finally, the

process controller adjusts the power output to maintain the desired temperature for the specified duration, providing better temperature control and consistent outcomes.

Performance benefits

Heat treatment thermal loop solutions offer several advantages over traditional heat treatment methods, including improved temperature control and increased efficiency. The thermal loop system provides precise temperature control, enabling faster heating and cooling and optimized soak times. In addition, the complete design of modern thermal loop solutions includes energy-efficient heating and overall ease of use.

Thermal loop solutions can also be integrated with Industry 4.0 frameworks and data management systems to provide real-time information on performance. Combining AI and machine learning algorithms can also provide additional performance benefits, such as the ability to analyze data and identify patterns for further optimization.

Supporting sustainability

Heat treatment thermal loop solutions provide several sustainability benefits, including reduced energy consumption and waste. The power controller regulates the power output to minimize energy waste, and the possible integration with renewable energy sources provides a complete power solution that spans from element design to recycling. The thermal loop solutions, in combination with insulation design and materials, provide energy-efficient solutions that contribute to sustainability and reduce the environmental impact of heat treatment processes.

When discussing these systems in the context of greenhouse gas emissions and the environmental impact, it's essential to consider Scopes 1 (direct emissions), 2 (indirect emissions from energy), and 3 (other indirect emissions), as well as the less common Scope 4 (avoided emissions).

At the component level, energy savings can be realized using current technology. Advanced Selective Catalytic Reduction (SCRs) provide predictive load management functions and hybrid firing algorithms contribute to sustainability by optimizing the energy usage of heat treatment processes. These SCRs offer real-time monitoring and control of energy consumption, while predictive load management systems use specific algorithms to manage peak power loads and adjust to optimize for local conditions such as load shedding or load sharing.

Adaptive thermal system (ATS) solutions are the next frontier of thermal loop solutions. Watlow has decades of experience with thermal systems to help engineers and designers to incorporate ATS technology into a variety of industrial processes and products.

ATS, which combines sensing, heating and control technologies, represents a different and more innovative approach to controlling thermal performance for complex systems, and provides a merged design between heater and control systems.

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



Eurotherm® Lower operating expenses

Our turnkey power control cabinet offerings can help **reduce energy costs** by around 10%

eurotherm.com/heattreat



WATLOW®
Powered by Possibility



**STRUCTURAL STEEL
BUILDINGS**



Structural steel buildings for you

We design and build both hot and cold rolled steel buildings, with over thirty eight years of erecting and on site fabrication, no job is to big or to small! From the creation of a new storage bay right through to a large warehouse, we build to your exact requirements.

We also cater for the industrial and agricultural market these services are on a more broader scale and also include demolition over clad and strip and re-sheet.

Get in touch today

Phone: +44 (0)7488 378802

Phone: +44 (0)7488 378818

Email: stephenssb13@outlook.com

www.structuralsteelbuildings.co.uk

CONNECT WITH US





THE WORLD'S SMALLEST ELECTRONIC SOLENOID INTERLOCK

With dimensions of just 119.5 x 40 x 20 mm, the AZM40 by Schmersal is the smallest electronic solenoid interlock in the world. This makes it especially suitable for small safety doors and flaps. Despite its compact size it has an amazing 2000 Newton interlocking force and 25 Newton latching force.

Thanks to the 180° angle flexibility of the actuator, it can approach the AZM40 on a stepless basis, making the interlock also suitable for flaps which do not close at 90° or those that open upwards to a 45° angle. This means the angle flexibility helps the interlock easily fit into compact spaces and difficult to access areas.

In the event of a power cut, the AZM40 retains the current position. This ensures safe operation, whatever the status of the machine. Even if there are hazardous run-on movements, the safety door remains locked in the event of a power failure. Another advantage of the bistable principle is the consistently low energy consumption, as the interlock only requires power when the door is to be locked or unlocked.

'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.

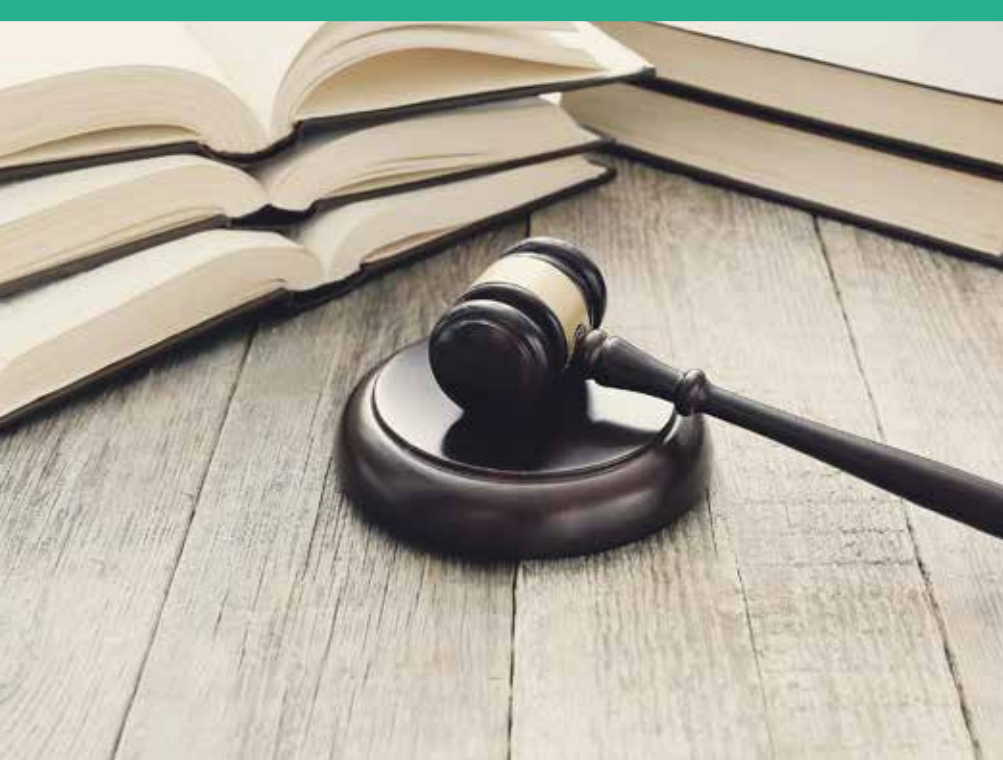
Court procedure

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.

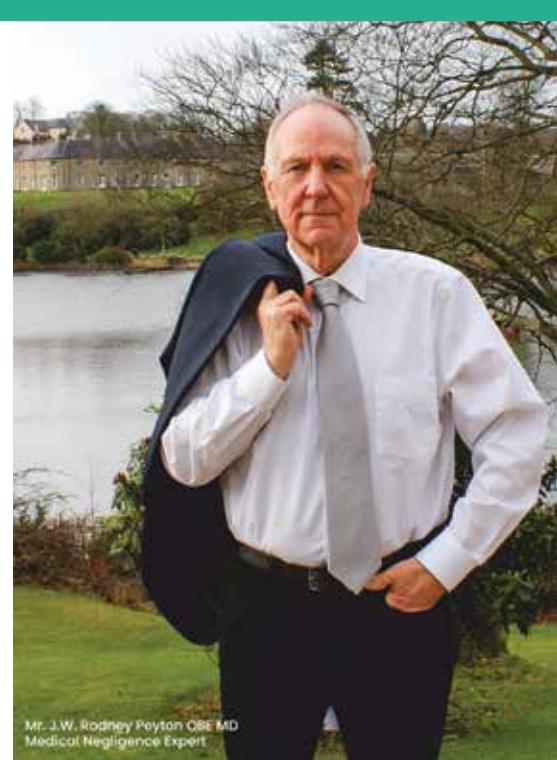
If you are given new information, which you did not have before then say so and, unless the answer is obvious, do not give a knee jerk reaction but ask for time to think it out. If it is not in your field say so and be careful of your own personal bias, again clearly separating fact and opinion. All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

Biogas & Ventilation



assentech
sales limited

Specialising in quality equipment for tank storage, process safety, and fluid transfer, we offer dedicated maintenance and expert technical support. Rooted in our commitment to you and the environment, we champion emission reduction and quantification, merging efficiency with ecological accountability.

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

Farming



RUTLAND
FARM PARK

A small 18-acre working family farm in the market town of Oakham, the county town of Rutland, England's smallest county.

T 01572 722122
admin@rutlandfarmpark.co.uk
www.rutlandfarmpark.co.uk

Roofing

CARLISLE
CM EUROPE

We have been at the forefront to design, innovate and manufacture materials and products to make buildings and flat roofs watertight. As the world above and below the roof is constantly changing, so do we to adapt and offer sustainable, durable and easy-to-install roofing and facade systems.

T +44 (0)1623 627285
info.uk@ccm-europe.com
www.ccm-europe.com/gb



Fabrication & Powder Coating

GLW Engineering & Construction Ltd

Established in 1992, GLW is a well established and respected provider of general fabrication to architects, structural engineers, business and private customers. This year, we are celebrating 31 years in business.

We specialise in custom build objects in metal, built to a very high standard in our modern workshop.

T 01945 464637
info@glwengineering.co.uk
www.glwengineering.co.uk



Architectural Glass



Demon
Designs

A leading Architectural and Structural Glass contractor in the Ford area. We are a team of skilled professionals who tackle everything from complex large projects to smaller scale jobs.

T 01903 733206
info@demon-designs.co.uk
www.archglass.co.uk

Machine Knives



CAMB
Machine Knives
International
"A Cut Above The Rest"

A reputation for high quality machine knives, with over 25 years of experience, which we supply to industries throughout the world.

T 01454 322178
sales@camb-knives.co.uk
www.camb-knives.co.uk

Whats On

SOLWARE



We offer almost every brand of air rifle and pistol available in the UK. This means we have probably the largest selection of air weapons available to you.

T 01827 215222
sales@solware.co.uk
solware.co.uk



Wadebridge Antique Centre
Alex Robins

The team are able to offer a rich wealth of experience and knowledge of antiques spanning approximately 30 years each dealer.

We have the largest selection of silverware in Cornwall.

Contact
T 01208 368182
wadebridgeantiquecentre.co.uk



Online Training




Wise Global Training offers flexible and cost-effective online health and safety training from globally recognised awarding bodies such as NEBOSH and IOSH. If you need a fast and cost-effective way to gain your qualification, our online training is perfect! We also offer short online awareness courses to help tick those boxes for your staff training. Contact us today for more information. We are here to help you succeed!

T +44 (0)1482 211989
info@wiseglobaltraining.com
wiseglobaltraining.com

Air Pollution Control Systems




Providing specialist industrial air pollution control, gas treatment and odour control packages – turnkey supply of the complete system: design, supply, installation and commissioning – all backed by a process guarantee.

T 01403 290000
info@ergapc.co.uk
www.ergapc.co.uk

Sensing & Control Devices




British Encoder Products Co. is the European Branch of the Encoder Products Group, a worldwide manufacturer of motion sensing and control devices serving the diverse needs of its global customers. We are a customer-driven company that is responsive in the areas of customer service and technical support.

T +44 (0)1978 262100
encoder.co.uk

Electrical Products




The SIMONBOX IP66 watertight floor box is designed for use in hard floor areas which require occasional power and data connection and an IP protection rating. Typical ip66 waterproof floor box installations include Department Stores, Airports, Train Stations and Car showrooms.

T 0203 286 7949
simonbox.co.uk

Sealing Solutions




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

Contact
T 01952 510050
www.servicesealingsolutions.co.uk


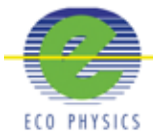
Measurement Applications




Interface Force Measurements Ltd is the master distributor for Interface load cells in the UK, Ireland, Middle East and North Africa. While we are separate companies, our interests and values are closely aligned in a long-term commercial relationship spanning over 30 years.

T +44 (0)1344 776666
interfaceforce.co.uk

Emission Monitoring & Gas Control

ECO PHYSICS AG offers innovative analytical solutions for measurement tasks in the fields of environment, health and process control.

T +41 55 220 22 22
info@ecophysics.com
www.ecophysics.com

Hand Protection




Manosun hand protection want to bring a change to the end-user experience in selecting and buying industrial gloves, gauntlets and sleeves (PPE).

Contact
T +44 (0)191 300 8699
sales@manosun.co.uk
www.manosun.co.uk

Fluregiene 200™

Protecting your surfaces for longer.

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

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



Easy cleaning of hygiene
conscious parts



Reduces microbial growth



Permanent coating protection

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

**CURTISS -
WRIGHT**

Everlube® Products

Fun on the farm

Rutland Farm Park is a small 18-acre Victorian working farm, within the beautiful town boundary of Oakham, Rutland and perfect for visitors from Leicester, Peterborough, Nottingham, Northampton and Newark.

The farm park was established in 1970 by John and Daphne Ball, after they returned home from teaching in Kenya. They took over the running of the family farm from John's father and decided to add an educational element to the farm. The couple worked closely with Joe Henson: founder of both the Cotswold farm park (now Adams Farm) and the Rare Breeds Survival Trust) and bought rare breed livestock from him.

"The farm has two main functions: a small family-run working farm in a beautiful Victorian farmyard and the farm park. The farm park is a visitor's attraction with a wide range of animals, Daphne's tearoom and a gift shop.

Visitors tell us we are the true epitome of the childhood real farm image and not a manufactured plastic attraction built to generate profit for shareholders. We concentrate on conserving rare native breeds of animals at the farm park. Some breeds are on the priority 'to save' list, making the loss of the breeds highly likely. This includes our Clydesdale and Shire horses, Lincoln Longwool and Oxford Down sheep, the Saddle Back and Gloucester old spot pigs," explained current owner, Julie Ball.

The conservation of the rare native breeds continues the work of John and Daphne Ball's original vision, through the current fourth and fifth-family generation,



making this a truly educational experience for families and children.

The family-run farm park welcomes schoolchildren visits and offers a 30% group discount on admission charges. The team are currently working hard to open the nearby woodland for visitors to enjoy and are in the process of converting the pigsty to a covered weatherproof area for school groups, children's parties and craft-lead workshops.

Rutland Farm Park guarantees old-fashioned friendly fun and it really is the perfect family day-out for all generations, from grandparents to grandchildren.

It provides the opportunity to foster a lifelong learn of animals for children, where they are welcome to enjoy cuddle time with the guinea pigs, as well as feeding the alpacas, llamas, cows and sheep.



There are lots of workshops and fun events throughout the year: keep an eye on the Facebook page for upcoming events.

All events can be booked online, with a 10% discount on admission for military and blue light cardholders.

There are toilets and baby changing facilities located throughout the site and free parking.

For more information and to make an online booking:
T 01572 722122
info@rutlandfarmpark.co.uk
www.rutlandfarmpark.co.uk
@rutlandfarmpark
www.facebook.com/rutlandfarmpark



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

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)

Winter

Monday – CLOSED

Wednesday – Sunday 10am–4pm
 (Last entry at 3:00pm)

Open on Bank Holiday Mondays

Closed Christmas Day and New Years Day

Admission Prices

Farm Park Admission

Adult 13+ **£9.50**

Child 3–12 **£8.50**

Under 3 **Free**

Family ticket **£33.00**

(2 Adults and 2 Children/1 Adult and 3 Children) We offer 10% Military discount with a valid ID

Annual Passes

Adult 13+ **£82.00**

Child 3–12 **£73.00**

Annual Passes are valid for 1 year from the date of purchase



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

