

Autopilot CDI120:

Newest TOYOTA AGV
is an automated
horizontal carrier p8

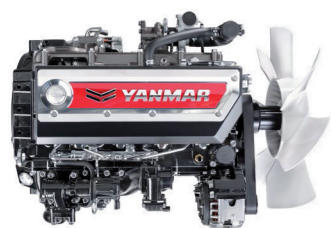


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M H W
Materials Handling World
Magazine
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June 2022

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New Director of Membership and Engagement at CILT(UK)

The Chartered Institute of Logistics and Transport in the UK –CILT(UK) – is delighted to announce the appointment of Louise Robinson as its new Director of Membership and Engagement.

Louise has more than 20 years' management and leadership experience in membership and regulatory bodies and joins CILT(UK) from The Nursing Midwifery Council where she led a senior employer and regulatory engagement team. Louise previously worked for the General Medical Council (GMC), British Association for Counselling and Psychotherapy and the Institute of Chemical Engineers. Her roles and experience span, membership, engagement, marketing, project management, standards, ethics, guidance, and training.

Commenting on her appointment, Louise said: "I'm delighted to join CILT(UK) at such an exciting and important time for the logistics, transport, and supply chain community. The pandemic has highlighted the criticality of these sectors to our everyday lives as well as the enormous contribution they make to the UK economy. There's a new level of awareness and appreciation for what we do, it's a land of opportunity and I look forward to connecting with current and new members to take those opportunities forward together."

In her new role, Louise will join the senior management team and will be responsible for Individual and Corporate Membership; Nations, Regions and Forums; Marketing and National Events. Louise replaces Helen Hardy, who leaves the Institute mid 2022 after four years in the role.

Commenting on her appointment, Kevin Richardson,

Chief Executive at CILT(UK) said: "We are delighted to further invest in our team with the recruitment of Louise Robinson. This role is crucial to the growth of the Institute and Louise's experience and expertise will ensure that we continue to enhance and develop the member experience for our growing membership base." www.ciltuk.org.uk

APPOINTMENTS

New MD for Linde Material Handling UK

Linde Material Handling UK Ltd has appointed Eamonn Parker as Managing Director with effect from 1 June 2022.

Eamonn was formerly Vice President Sales & Marketing at Linde Material Handling UK & Ireland and successor to Ulrike Just who will be taking a new role as Senior Vice President, KION ITS EMEA UK & Ireland.

Ulrike Just commented on the transition: "After completing one of the largest business transformations in the history of Linde Material Handling UK & Ireland – in which we merged all regional entities into one to provide even more consistent customer service across the UK - I will now focus on the role of Senior Vice President, KION ITS EMEA UK & Ireland. I am very proud of what we have achieved in the last year with the exceptional Linde team! Eamonn Parker, who has been part of the Linde UK Board since 2018, will be the perfect successor; as he knows the business inside out. Thus, he can ensure continuity, while at the same time putting even more focus on our Linde customers. I am very much looking forward to continuing my collaboration with Eamonn and supporting him in taking our customer service to the next level."

Speaking about his new role, Eamonn Parker said: "I am honoured to be taking over the



leadership of our market leading brand in the UK and serving our incredible colleagues and growing customer base as the new managing director of Linde Material Handling UK. I am now looking forward to leading the next phase of our customer first approach, with an organisation structured to focus on sales & service with support functions provided by KION ITS EMEA.

My priority will be to continue to steer Linde on leading the material handling market by providing exceptional customer service and developing our people to make Linde a great place to work. It is a really exciting time to see our brand continue to grow from strength to strength."

https://www.linde-mh.co.uk/en_uk/

Whistl appoint Managing Director of Parcels



Whistl the UK's leading logistics specialists in e-fulfilment, mail and parcels has appointed Andy Underwood as its first Managing Director of Whistl Parcels.

Whistl Parcels will focus on large organisations and core strategic customers using its national network with its Parcelhub brand focusing on medium sized organisations and large SMEs with a more regionalised approach with onsite local collections and consolidated volumes.

Andy has been with Whistl for 16 years, rising from Senior Account Manager to Sales Director North during that time. Following Andy's promotion Laura Sanjurjo has

been promoted to Director of Sales North. Alistair Cochrane, CEO Whistl, said:

"With the sustained growth in online shopping, we need to capitalise upon these growth opportunities with a dedicated approach to maximise the parcel growth potential and the appointment of Andy as Managing Director to drive this initiative will help achieve this."

The company has made significant investment in the business in recent years through acquisition and the opening of new efficient mail and parcel processing depots and fulfilment centres.

www.whistl.co.uk

APPOINTMENTS

Conker underpins growth plans with three new appointments



JoJo Bayvel



Ant Nicholson



Laura Bowyer

Conker, which provides a range of rugged, wearable and scannable devices for mobile workforces, is expanding yet again with the appointment of three new staff members.

The appointees are joining across various departments, in roles involved with operations, marketing, and finance.

Anthony Nicholson joins Conker in the role of operations manager and will be developing existing processes and policies to continue Conker's rapid growth within the industry while actively pursuing strategic and operational objectives to maximise efficiency.

He brings experience of maintenance and retail supply chains to the role.

He comments: "I am delighted to join Conker as it continues to lead the way in product innovation and setting industry standards, this is an exciting new challenge for me."

Joining the marketing department in an executive role is JoJo Bayvel. With the shared value in being "passion driven" JoJo will be focused on traditional and digital marketing.

"I'm excited to join this revolutionary, growing company. I look forward to marketing Conker's innovative products across various industries and seeing the positive effect they have in creating more effective and productive workforces."

Laura Bowyer has been appointed as accountant and will be looking after the day-to-day finances at Conker while she looks at improving processes to ensure all aspects of the finance systems work efficiently and maintain control of quality and outputs to support Conker's growth plans. Laura comments: "I am keen to bring my wide range of finance experience from a variety of sectors and company sizes from start up to FTSE listed companies to such a progressive company."

With 2022 set to be another busy year for Conker, the expanding team be all hands-on deck. James Summers, CEO at Conker adds: "We are delighted to welcome Anthony, JoJo and Laura to Conker, it's great to meet new team members who will be behind our mission to prevent companies from being matched with the wrong tech for the job at hand, and who will help in our continued growth." www.weareconker.com

Autopilot CDI120: Newest TOYOTA AGV is an automated horizontal carrier

- CDI120 is Toyota Material Handling UK's first ever purpose-built automated pallet carrier
- It integrates with the company's existing Autopilot vehicles and the T-ONE management system to form a fully integrated warehouse solution

Toyota Material Handling UK has unveiled its latest frontier in warehouse automation: CDI120, an AGV designed specifically as a pallet carrier.

CDI120 is a powerful, compact and intuitive solution for horizontal goods transport, capable of adding a new dimension to any warehouse operation. And it slots seamlessly into Toyota Material Handling UK's Autopilot vehicle range, joining its tow tractors, low lifters, stackers, counterbalance trucks and reach trucks to form a comprehensive line-up that can meet virtually every customer need.

Compact and cost-efficient

CDI120 was designed as an Autopilot vehicle from the ground up, rather than simply altering a conventional manually operated vehicle. This has enabled a total rethink of many aspects of the carrier, ranging from form factor to navigation and safety features, to enable industrial users to get the most out of AGV technology.

The first thing many users will notice is that CDI120 lacks forks. Instead, it loads a pallet by driving underneath it and lifting it from below, using a run-through station to ensure precise and efficient loading of pallets up to 1200kg every time.

CDI120's exceedingly compact design – with built-in scanner and sensors in the chassis, in combination with a differential drive design – enables efficient loading with a run-through station, tight turn-on-point manoeuvres, and swift operation even in low-ceiling areas.

When on the move, CDI120 can 'see' objects at up to 30 metres.

Odometry and feature-based localisation are then used to precisely navigate through warehouse space. The localisation algorithm is sophisticated enough that it can interpret additional features dynamically added to the environment. Meanwhile, Toyota-standard safety features ensure safe transport, including front and side detection fields, blue LED warning light and E-stops.



Grows as your operation does

But CDI120 functions as more than a stand-alone vehicle: it also works seamlessly as part of an automated vehicle fleet, communicating with other AGVs from Toyota and management systems using the T-ONE software. Developed in-house by Toyota, T-ONE can integrate and supervise all warehouse equipment to optimise efficiency and processing time. This gives operators maximum flexibility: they can initiate CDI120 transport jobs manually (via a warehouse management system or call buttons), or through automated software. Trucks can be configured for various pre-set routes (A-to-B, loop or part of a multi-leg journey) and priorities, which can be adjusted on the fly to maintain a continuous material flow – avoiding disruptions and maximising cost-efficiency.

"CDI120 was designed to be more than just cutting-edge. An important aim in its development was to provide a cost-efficient pallet transporter that seamlessly co-works with our stacker and

reach trucks – optimising ROI for our customers in their transport and stacking applications," explained Paul Freeman, Head of Logistics Solutions at Toyota Material Handling UK.

"With automated route planning and execution in T-ONE, it is possible to divide A-to-B transport into a multi-leg task involving different vehicle types – for example, using the cost-efficient CDI120 for transport and the powerful RAE to stack. This will not only pay managers back in ROI, but also in space and energy savings."

"Furthermore, as T-ONE is easily configurable for different flows and operation sizes, CDI120 fleets can be deployed flexibly, changing and scaling up over time. Company owners or warehouse managers can take a 'big bang' approach to automation, or they effect a more gradual transition – in both cases receiving the benefits of automation without disruption, and in line with their needs and business priorities." www.toyota-forklifts.co.uk/automated-solutions

IMHX is back – and it's live!

IMHXTM 2022
THE UK'S LARGEST LOGISTICS EVENT
6 - 8 September | NEC Birmingham, UK

“IMHX 2022 will be the essential gathering place for UK logistics professionals to reconnect with the industry, stay ahead of supply chain trends and source the latest storage and handling solutions from some of the world's most innovative and influential manufacturers and suppliers!” *Rob Fisher, Event Director*

The UK's premier logistics solutions and intralogistics technology event of the year – IMHX 2022 - will open for business at the NEC, Birmingham, on 6th September 2022.

Over three days literally hundreds of exhibitors - including Whittan Group, Knapp, Combilift, Geekplus, Cesab, Zebra Technologies, Crown Lift Trucks, Hai Robotics and Swisslog – will showcase the developments that are reshaping the post-pandemic global logistics industry.

IMHX 2022 event director, Rob Fisher, comments: “IMHX 2022 will be the essential gathering place for UK logistics professionals to reconnect with the industry, stay ahead of supply chain trends and source the latest storage and handling solutions from some of the world's most innovative and influential manufacturers and suppliers.”



“Nothing compares with the power of face-to-face meetings and the opportunity to engage

with product demonstrations and interactive displays that a 'live', in-person event provides.”

Automation and robotics

The chance to see working demonstrations of the latest automated handling technology – from entry level solutions to fully automated warehouse systems - is just one of the many reasons to visit IMHX 2022.

Interest in warehouse automation has been growing exponentially over several years and the impact of Brexit and the pandemic on the availability of picking staff, forklift drivers and other warehouse personnel has driven demand for the automated guided vehicles, autonomous vehicles and other forms of robotics to new levels as more and more logistics companies seek ways of working that rely less on large numbers of people.

For example, IMHX 2022 will be the place to evaluate the growing range of driverless materials handling solutions that are becoming an increasingly common feature within warehouses and DCs.

Operator-free vehicles undertake every type of task that would be expected of a traditional manually operated forklift – including vehicle loading and unloading, pallet put-away and retrieval in both standard and very narrow aisle racking configurations, as well as pallet and stillage movements throughout the warehouse. In addition to the obvious savings in labour costs, the technology brings a host of other benefits, including reduced damage to goods, racking and trucks, greater picking accuracy and more efficient use of the available storage space.

VisionNav Robotics is among the fastest-growing operator-free industrial vehicle manufacturers in the world and the company will use IMHX 2022 to highlight the range of fully automated, vision-guided forklift trucks and intelligent operating systems that it has produced for the European market.

These days plenty of sophisticated automated handling technology is within financial reach of SMEs as well as the biggest players and a host of pioneering and industry-leading automation providers will be demonstrating solutions that range from entry-level technology to advanced, large scale integrated projects at IMHX 2022.

Exhibitor Swisslog's automated warehousing technologies include traditional high bay warehouses and innovative robot-based materials handling solutions that provide quality, flexibility and efficiency. Every application is customised to deliver the lowest cost per pick.

Meanwhile Gebhardt – who celebrate their 70th anniversary in 2022 – will show examples of the kind of customised and innovative intralogistics solutions that they have been supplying to customers throughout the world for more than seven decades.

The automated storage, transport, sorting and picking systems supplied by Daifuku include flexible automated guided vehicle (AGV) transport technology as well as rail-guided sorting transfer vehicle (STR) systems, while Knapp's smart solutions and automated storage systems support the logistics processes of leading companies' worldwide.

BotsAndUs will show how their fully autonomous robots measure, track and find goods across warehouses without workflow disruption, while visitors will also discover how Exotec's range of robotics deliver sustainable warehouse productivity gains by enabling human workers and robots to collaborate.

HAI Robotics, the pioneer in Autonomous Case-handling Robot (ACR) systems, will exhibit its highly flexible goods-to-person solutions that are designed to improve operational efficiency and storage density.

Warehouse operators visiting the event can find out how

they can enjoy the benefits of Covariant's robotics solution with minimal upfront costs by signing up for the company's robotics-as-a-service customised subscription agreements and also learn how Amber Industries Ltd – a company with over 40 years' experience in the automated mechanical handling and conveyor industry - works to enhance the efficiency of its clients' operations by providing innovative and expertly tailored conveyor solutions at a competitive price.

Visitors can also check out the range of automated storage systems for pallets and bins developed by racking and storage solutions supplier, Stow.

Sustainability

With environmental issues very much to the fore, IMHX 2022 will also be the place to examine the advanced lift truck power sources, such as lithium-ion batteries and hydrogen fuel cells, that are remodeling the way that many companies operate their intralogistics processes.

Rob Fisher says: “With heightened environmental concerns, the market for low – or zero – emission fuel technologies is growing significantly and many of the companies at the forefront of the low emission lift truck revolution will be highlighting their latest models at IMHX 2022. For example, Intelligent Energy, a leading fuel cell development and manufacturing business, will showcase the new “H2 E-Pack” – a plug-and-play battery replacement that uses the company's IE-LIFT™ MHE fuel cell module at its core.”

With the H2 E-Pack, when a hydrogen-powered piece of equipment is running low on hydrogen the tank is simply refilled at a unit similar to a forecourt petrol pump. The refilling process typically takes just a couple of minutes, which is much faster than the several hours it can require to recharge a traditional lead-acid battery.

“Unlike batteries, which create power from the energy they have stored inside, fuel cells make electricity from fuel delivered via an external tank. So, while a battery will require lengthy recharging, a fuel cell will keep generating electricity as long as fuel is supplied,” explains Adam Keenan, Business Development Manager at Intelligent Energy

“This makes it a great power source for large forklift fleets operating within busy distribution and manufacturing centres, providing significant OEE improvements,” he adds.

Intelligent Energy is among the sponsors of a brand new feature of IMHX 2022 – the Sustainability Zone. Combining physical displays, augmented reality, and virtual reality demonstrations.

The IMHX Sustainability Zone will give visitors a ‘deep dive’ into the many steps that companies operating in the supply chain space can take to make sure they perform as sustainably as possible. Prominently located within the main IMHX exhibition hall, the ground-breaking zone, which is being delivered in partnership with SEC Storage, will provide visitors with an insight into an array of adoptable sustainable initiatives.

Set across 300 square metres, it will allow visitors to take away everything they need to develop an effective sustainability policy or benchmark their existing strategy against examples from some of the most successful companies in the industry.

Harry Watts, Managing Director of SEC Storage, says: “Sustainability is the new frontier on which companies must compete and it is going to have a significant impact on every business’s long-term viability. Increasingly we will see that a positive approach to social and environmental issues brings financial reward, so ‘doing good’ will have a direct impact on a company’s ability to ‘do well.’

“It is no longer enough to ‘green wash’ your company’s environmental performance or treat issues such as diversity and inclusion in the workplace as another ‘box ticking exercise’.”

Of course, embracing sustainability is not just a corporate social responsibility issue – it can be the catalyst for driving operational and financial efficiency and optimising supply chain performance.

For example, logistics companies are among the biggest users of cardboard packaging material and the internet shopping boom has resulted in a substantial and sustained hike in the amount of cardboard required to construct the boxes that protect e-commerce orders in transit. Indeed, the industry uses an estimated 5 billion corrugated boxes in the UK alone each year

But a simple way to slash the volume of cardboard used across the sector is to ensure that, when goods are being packed prior to leaving the warehouse, they are put into an appropriately sized cardboard box.

Sparck Technologies (formerly Packaging by Quadient) will use IMHX to demonstrate its eco-conscious packaging technology that creates fit-to-size boxes for every consignment quickly and efficiently. For example, Sparck’s CVP Impack automated packaging solution can pack up to 500 parcels per hour and requires only one operator while the CVP Everest model packs up to 1,100 parcels per hour with two operators.

Sparck’s fit-to-size box maker is among a plethora of systems and solutions specifically developed to meet the distinct needs of online retailers and their fulfillment operations will be under the spotlight at IMHX 2022.

Narrow Aisle Ltd, for example, will demonstrate the benefits of the Easi-Pick, a compact ride-on electric-powered vertical order

picker designed specifically with e-fulfillment operations in mind.

The Easi-Pick delivers hugely improved productivity and increased safety for warehouse staff as they carry out a range of picking duties at both lower levels and at height within warehouse aisles. Its ability to work in very narrow aisles (VNA) means 30% more pallet and shelving locations can be designed into storage systems compared to traditional wide aisle operations.

Meanwhile, a range of storage and picking technology ideal for equipping ‘dark stores’ – the new breed of micro-fulfillment centres that are widely regarded as one of the most exciting online retail developments to emerge from the pandemic, will be highlighted by Bito Storage Systems.

Of course, with global energy prices soaring, the commercial incentive for operating in an environmentally-conscious way has never been greater. With many of the world’s leading MHE manufacturers highlighting the latest developments in power sources and fuel cell technology, IMHX 2022 will be the perfect opportunity to see the latest carbon-reducing offerings from many of the world’s leading forklift brands.

For instance, environmental benefits have long been at the forefront of Crown Lift Trucks’ product development plans and IMHX 2022 will see the company highlight its family of reach truck models that deliver industry-leading energy savings.

Educational seminars

In addition to the full exhibition floor, IMHX 2022 will host a multi-track series of educational seminars, talks and workshops, with each covering key industry themes and trends. The full agenda, which is supported by Cranfield University as the official Academic Partner, will

feature some of the industry’s most influential, innovative and pioneering minds as conference speakers.

Rob Fisher comments: “The main conference at IMHX 2022 will focus specifically on sustainability, while the Logistics Solutions agenda will dive into how advancements in technology and product design are driving key efficiency gains.”

“As new supply chain challenges continue to emerge amidst the demands of an ever-growing population, both the conference and exhibition at IMHX will provide the ultimate opportunity for this important industry to prepare and protect their operations,” he adds.

Industry support

IMHX 2022 enjoys cross-industry support from the UK’s leading logistics industry associations and trade bodies, including: Automated Material Handling Systems Association (AMHSA), the UK Materials Handling Association (UKMHA); and the UK Warehousing Association (UKWA).

Dave Berridge, Secretary of AMHSA, comments: “As the world realigns post-pandemic, vibrant business events like IMHX 2022 will provide vital meeting places for logistics professionals to reconnect and discover new ways of improving their businesses.”

Clare Bottle, CEO of the UK Warehousing Association, says: “IMHX is a melting pot for all elements of the third party logistics, supply chain planning and materials handling industries. It is the perfect place to connect manufacturers and suppliers of a host of products and services with the organisations that have the most to gain from them.”

UK Materials Handling Association CEO, Tim Waples,

says: “A visit to IMHX is always a great chance to see the complete range of materials handling equipment, from conventional fork lift trucks and pallet movers to state-of-the-art intralogistics solutions, all under one roof. This is a wonderful opportunity to understand how modern technology can integrate with conventional handling solutions to deliver the operational benefits supply chain bosses are looking for.”

One of the highlights of the show is likely to be the special presentation and networking reception that is being held to mark the inauguration of The Supply Chain #NextGen.

Thirty of the brightest and most talented logistics professionals aged thirty years old or under who are considered to have made an impressive start to their supply chain careers and who look set to go on to play a key role in the sector’s future will be revealed at the celebration.

All finalists will be invited to take part in a number of exciting opportunities including roundtables, speaker panels, podcast episodes and more that will ensure that they maintain a high profile in the months ahead.

Rob Fisher comments: “The purpose of The Supply Chain #NextGen is to give the young leaders of tomorrow the chance to gain recognition through an official industry seal of approval that acknowledges both their early success and long-term potential. It is very much open to all. That means school-leavers who have made a positive impression among their colleagues as well as graduates who may have entered the industry in a managerial capacity.”

Rob Fisher adds: “After Covid it will be great to be back at the NEC and I look forward to welcoming visitors and exhibitors alike to an event where it is certain that a lot of business will be done. Every aspect of IMHX

2022 will be relevant for the challenges and opportunities presenting themselves to companies in the logistics and supply chain sectors today.”

IMHX 2022 will take place from 6 – 8 September at the NEC, Birmingham and admission is free-of charge. To register for your free exhibition entry pass please visit [imhx.net](https://www.imhx.net).

Free car parking

Visitors to the fast-approaching International Materials Handling Exhibition (IMHX 2022) who travel to the show by car will enjoy free parking at the NEC, Birmingham, throughout the three-day-event thanks to the generosity of the UK Material Handling Association (UKMHA) which has agreed to sponsor parking charges at the exhibition venue.

Rob Fisher, IMHX 2022 Event Director, said: “We are delighted that the UKMHA is sponsoring the cost of parking at the NEC. From previous visitor feedback we know that free parking will prove extremely popular with those who choose to drive to the event.”

Tim Waples, Chief Executive, UKMHA said: “The UKMHA recognises that in the current climate when everyone is focused on keeping expenditure down, travel costs for attending exhibitions can be a significant outlay.”

He continued: “IMHX plays a critical role in boosting the UK material handling sector with business worth millions of pounds regularly transacted at the show. Given this, it is vital that every effort is made to maximise attendance at the event. This is why UKMHA has agreed to sponsor parking charges for the duration of the show.” Visitors can claim their free parking pass at <https://www.imhx.net/en/travel/visitor-parking.html>

Global telematics provider GemOne is making their 360° proximity warning solution available to owners of industrial fleets in the UK.

In recent years the system has been equipping material handlers and logistics companies all over the world with the alerts and actionable insights they need to enhance forklift and pedestrian safety in their workplaces. Now, it's coming to the UK.

It's based on state-of-the-art ultra-wideband technology, the most accurate and intelligent way to prevent incidents in your warehouse.

It works by predicting potential collisions between forklifts and pedestrians, and between forklifts and forklifts, and then providing warnings (audible, vibration, and LED lights) as well as generating valuable reports and data in real-time.

With GemOne's proximity warning solution, material handlers and equipment dealerships in the UK will be able to avoid machine damage by minimising forklift to forklift impacts.

They'll safeguard their employees by minimising forklift and pedestrian collisions.

And they'll get reports on all near-misses so they can see which operators and pedestrians are most prone to accidents.

You can grab a brochure for the proximity warning solution here: <https://www.gemone.com/en/pedestrian-warning-system-uk/>

If you'd like to see the proximity warning solution in action, GemOne will be offering demos at this year's IMHX Show (6-8 September) at the NEC in Birmingham, UK (Booth 5F96). Reach out to GemOne representative Lawrie Harris to set up a personalised chat (+44 7425 885 758 or lawrie.harris@gemone.com).



Safety first for industry in 2022

Safety is a major issue for the material handling industry right now.

There are more safety regulations at the national level in the UK than ever before and industry guidelines place an increasing focus on employee welfare.

There's also a growing desire amongst companies in the UK to ensure that staff are safe.

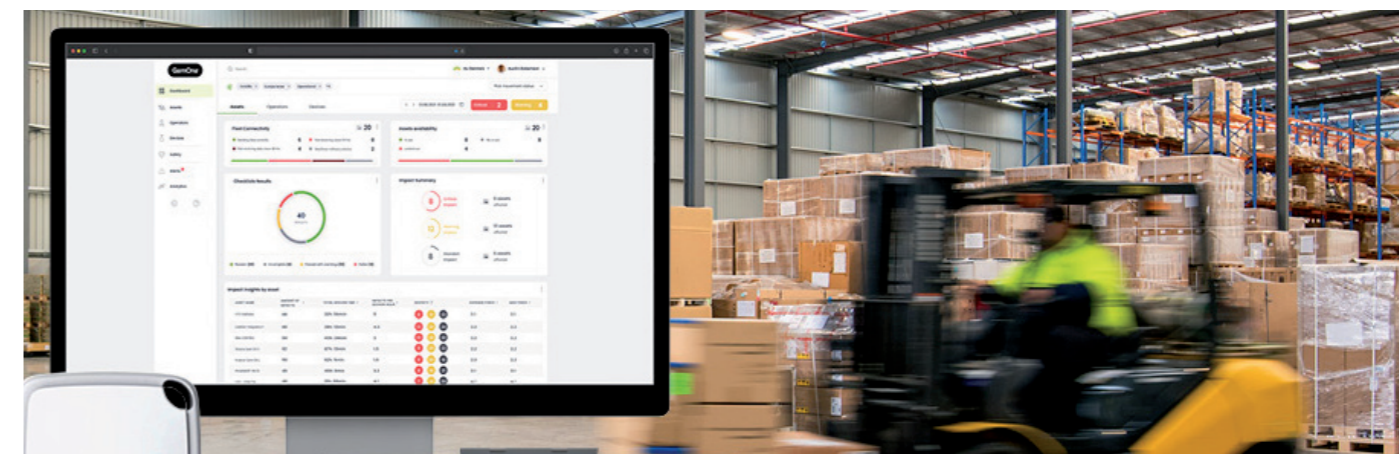
Incidents in the workplace can lead to significant loss, both to human life and to business.

Safety impacts on insurance premiums and, ultimately, on warehouse efficiency.

Sapphire: premium safety management

GemOne's proximity warning system is fully compatible with GemOne's own safety management solution, Sapphire.

Sapphire's on-screen Safety Checklists make pre-start checks on your forklifts mandatory, with instant lockout if there's a critical issue. This ensures operators have inspected the machine and determined that it is safe to operate. It documents the completed checklist and the amount of time it took to complete. It tracks user behaviour and safety issues with real time data on a cloud platform. No clipboards. No illegible writing. No paper. Just a safe fleet, every day.



The Impact Reporting feature of the Sapphire solution is ideal for fleet managers lacking oversight on unreported impacts. Unreported impacts are costly to businesses, both in terms of damage repair and machine downtime. This feature allows managers to receive instant notifications of impacts so they can identify which operators and areas are most prone to incidents. They can add additional strobes and buzzer alarms, and set up lockout thresholds to stop machines working after an impact.

For those frustrated with the unapproved use of machines, Sapphire's Operator Access Control feature gives access to machines to approved operators only. They can give access via a PIN code, RFID card, or fob. Fleet managers choose who they want to operate each machine, based on their own criteria of certifications and training.

Other features of Sapphire include: Session Reporting, allowing you to monitor the activity of operators on a daily basis to gain insights on efficiencies; Usage reporting, so you can see exactly how long your machines are being used; and Licence Management, so you can ensure that operators using your machines always comply with the appropriate safety training and licensing requirements.

GemOne also offers a battery monitoring solution so you can eliminate the headaches you're experiencing managing your expensive industrial batteries.

This empowers you to avoid unnecessary wear of your batteries, maximise their charge cycles, and prolong their lifespan.

GemOne: Smart telematics for industrial fleets

GemOne took its first steps 10 years ago in Australia, developing a powerful system to monitor industrial vehicles remotely.

Becoming a daughter company of TVH in 2018, GemOne today combines a shared knowledge and experience in technology, business, and machines to serve a range of customers from three global headquarters.

With more than 75,000 industrial machines connected to its telematics systems, GemOne is trusted by companies around the world.

GemOne is a provider of telematics.

Telematics is the process of using technology to collect insights about your machinery, vehicles, and tools.

For example, you install a telematics tracker into your forklift, and that device collects data from digital and analog signals, sending that data to a cloud platform where it is transformed into meaningful information.

This real-time, high-volume data is filtered into valuable insights which enable material handling

businesses to finetune their processes, improve operational efficiency, and enhance safety on the shop floor.

IMHX: receive a free tailored demo from GemOne

GemOne will be attending IMHX 2022 next month. They will be present at Booth 5F96.

IMHX is an important event in the UK for supply chain and intralogistics professionals. It's taking place at the NEC in Birmingham on 6-8 September.

GemOne representatives will be in attendance to discuss industry trends in safety and technology with all those involved in the handling, movement, or transportation of goods throughout the supply chain in the UK.

They'll be offering product demos at IMHX of their proximity warning, safety management, and battery monitoring solutions.

If you'd like to arrange a chat at IMHX about your specific business needs, feel free to reach out to GemOne representative Lawrie Harris to set up a personalised chat (+44 7425 885 758 or lawrie.harris@gemone.com).

If you'd like to learn more about GemOne's Proximity Warning Solution, grab your brochure here:

<https://www.gemone.com/en/pedestrian-warning-system-uk/>

ILS debut latest innovative Print & Apply Labelling Applicators at IMHX Show

One of the UK's leading suppliers of automatic print and apply labellers, Industrial Labelling Systems (ILS), is showcasing its latest range of print and apply labelling machines at the IMHX show, held at the NEC in Birmingham on 6-8th September.

ILS will use the UK's premier event for supply chain and logistic operations, to demonstrate both the new Evolabel FlexWipe™ XL Pallet Labelling system and the Quick Tamp print apply system – the first time both have been on display at a trade show in the UK.

Visitors to stand 5E61 will see a distinctly international presence, with both Evolabel and their Asia Pacific (APAC) partner, Matthews Intelligent Identification, attending the IMHX show with ILS. Together the businesses will highlight first-hand Evolabel's philosophy of 'simplicity in design', demonstrating the success of the technology in the APAC region and using the show as an opportunity for sharing best practises at a global level.

The demonstration of the FlexWipe™ XL will highlight how dual stacked pallets at variable heights can be labelled, thanks to the revolutionary motorised stand, which can move up to 1.6 meters. Built around two independent motorised arms, which can move both horizontally and vertically, the unrivalled system can quickly label three sides of a double stacked pallet, and then validate the barcode, all without having to halt production.



The Quick Tamp print apply system will also be shown, which is proving ideal for in-line labelling requirements of e-commerce and logistics customers due to its speed and ability to apply labels on the fly at various heights, removing a previous bottleneck for many operations.

Denis Brett, Managing Director at ILS said; "IMHX is the perfect show for us to demonstrate how print and apply labelling technology has evolved to meet the needs of today's logistics and warehouse sector.

"We're very excited to be exhibiting for the first time with both Matthews and Evolabel and to have the opportunity to present our range of customised, scalable label solutions that make ILS a trusted partner for warehouse and logistics applications worldwide. And we look forward to welcoming visitors to see our labelling technology up close and how we can revolutionise their operations."

With Matthews noting huge popularity particularly in the APAC region for both the FlexWipe™ XL and Quick Tamp, it is the ability to improve manufacturer efficiency, mitigate risk and eliminate waste for leading retailers, 3PLs and

distributors, including the likes of DHL Australia that is proving a winning combination.

"The simplicity in design means that the Evolabel applicators are the ideal solution for distribution centres and warehouses that need a small footprint, accuracy and speed – all while operating on the fly and at variable heights," said Braydon Cocks, Product Specialist at Matthews Intelligent Identification.

"I'm delighted to be supporting ILS at this leading show, sharing our insight and demonstrating how businesses such as ours are leading the way for today's global labelling needs."

In addition to having a stand at IMHX, ILS will also be taking part in Wednesday's Power Pitch session in the Solutions Theatre, highlighting how the FlexWipe is the future of print & apply labelling in logistics. Phil Molloy, ILS's Business Development Manager will outline how the FlexWipe's small footprint, fast operation, and safety standards in labelling, together with its ability to work in sub-zero environments, make it the perfect choice for labelling as they hope to win the pitch against four other businesses in the sector.

www.ilsystems.co.uk

Renovotec focuses on supply chain pain points at IMHX 2022

- Sidesteps inflation, protects supply chain company capital with new long-term, discounted rental across its entire technology portfolio
- Solves industry personnel shortage problem with tech-enabled warehouse productivity increases of over 25%, using 30% fewer staff
- “Our IMHX offers and free on-stand consulting service are designed to help users do more with less” says Renovotec CEO Richard Gilliard

Supply chain hardware, software and services company Renovotec (IMHX 2022, NEC 6-8 September, Stand SE57) has chosen IMHX to address a series of supply chain user “pain points” with technology-driven solutions, the company said today. Renovotec’s new, maximum-7-year discounted rental across its entire product portfolio is designed to side-step inflation and protect supply chain company capital, while its warehousing solutions are designed to solve industry personnel shortages with voice, smart scanning, RFID and other technologies that enable

warehouse productivity increases of over 25% using up to 30% fewer staff.

Renovotec is demonstrating a range of state-of-the-art products at the show including Honeywell’s advanced, 10cms-to-20 metres ‘FlexRange’ scan engine.

The company is also running an on-stand consulting service geared to solving user problems. “Our IMHX offers and free on-stand consulting service are designed to help users do more with less” says Renovotec CEO Richard Gilliard. www.renovotec.com



Recognising the value of reconditioned attachments



Investing in a used forklift attachment, that is in great condition, is a cost-effective way of upgrading your material handling equipment at a pre-owned price.

With over 40 years’ experience in the UK and Ireland forklift truck attachment market, B&B Attachments is in a unique position to provide reconditioned clamps to meet its customer’s requirements.

B&B Attachments specialises in the design and manufacture of forklift truck attachments and material handling solutions. The company’s extensive workshop facilities allow its experienced fitters to meet the challenge

of providing high quality reconditioned and refurbished clamps. All attachments are inspected, serviced, repaired, and tested. They undergo a rigorous remanufacturing process where original equipment manufactured parts are used wherever possible. Its range of used forklift attachments are available in mounting classes II, III and IV.

“All B&B’s reconditioned attachments are thoroughly restored back to their original condition with some of the most experienced industry professionals finding it hard to tell them apart from new stock.

All units are backed by our 3- or 6-months warranty options,

with dedicated sales and service teams providing full technical back up and support. All reconditioned attachments are sold with Thorough Examination Certification included.” Comments Sales Director, Neal Fowler.

Neal continues; “or why not test out our attachments before buying, with our dedicated hire fleet of over 2,500 attachments, available through our European network. All attachments are available on flexible long- or short-term hire agreements to suit the hirer’s need. Whether the requirement is a week, a month, or a year, B&B have the solution that works best for you.” www.bandbattachments.com

New sensor-based forklift technology to address pedestrian accidents in warehouse operations

Leading materials handling solutions provider Linde has unveiled a new safety solution for forklift trucks that is designed to prevent accidents involving pedestrians in the warehouse environment, a major challenge in intralogistics operations.

It has been reported that 1,300 workers in the UK are seriously injured following accidents involving forklift trucks and this includes a significant number of pedestrians. An analysis of RIDDOR reports into forklift truck accidents by the British Industrial Truck Association (BITA) also revealed that nearly 75% of 'impact with a third person' events involve pedestrians that were completing tasks unrelated to the immediate truck operation at the time of their accident.

Linde's new motion detection sensor-based technology stops the forklift reversing after detecting movement behind it and will sound a warning to alert both driver and pedestrian. It is being offered as an option for the company's new series of counter balanced trucks but will also be available as a retrofit solution.

Loading and unloading or picking up and putting down of loads are among the most critical situations involving forklift trucks and pedestrians. Fabian Zimmermann, Product Manager Safety at Linde MH, said: "An accident can quickly happen if there are people behind the forklift when it starts reversing. Pedestrians may assume that the forklift driver will see them, or they don't expect a forklift in front of a rack or storage area to suddenly reverse. If the driver forgets to look over their shoulder, this can have serious consequences too.

"In addition, the view behind the vehicle can be obscured by blind spots, stored goods or racking. The risk increases the more trucks, pedestrians or even cyclists there are in logistics areas."

The system is particularly effective in poorly lit areas of a warehouse or where visibility is otherwise restricted. The detection area can be adapted to operating and ambient conditions, which ensures a high degree of flexibility in averting critical situations and preventing unnecessary warnings.
<https://www.linde-mh.co.uk>



Smart power packs for tough applications

The globally coveted S-Series celebrated its debut in 2018. With the special “Smart, Strong and Safe” features of the counterbalance trucks, Clark set a benchmark for future truck generations back then. Now the materials handling vehicle manufacturer is expanding the popular series to include IC engine-powered trucks with load capacities of 4 to 5.5 t.

Like their smaller counterparts with load capacities of 2 to 3.5 t, the new models are also equipped with active safety systems, a smart information system and extensive additional equipment. Operators can tailor the trucks to their individual use and thus achieve high productivity at a low total cost of ownership (TCO). And the operator does not miss out either thanks to the excellent ergonomics and safety of the trucks.

Smart – High productivity at low cost

The new S-Series models consist of the S40-S55 diesel and LPG forklifts with superelastic or pneumatic tyres. The trucks are the first choice for both medium-duty and extremely tough applications. Wherever high handling performance and availability are crucial – such as in multi-shift operations in industry, trade and distribution, in the paper and beverage industry or in demanding foundry operations – the trucks score with their robust design, reliable, safe and powerful operation and low operating and maintenance costs.

Strong – robust and low-maintenance

The construction basis of the S-Series is, as usual with Clark, the proven “Built to last” concept,

which is based on more than 100 years of experience in forklift construction. It stands for a solid construction with high-quality and durable components. The forklifts have, among other things, wet maintenance-free multi-disc brakes, a durable and electronically protected gearbox, tried and tested lift masts from our own production with a robust 6-roller fork carriage, an extremely stable steering axle as well as the fully welded frames familiar from Clark.

Powerful Kubota industrial engines are used in both the diesel and LPG forklifts of the S-Series. The Kubota 4-cylinder diesel engine with common rail fuel injection V3800-CR-TE5B has a fully electronic engine control. This not only makes it environmentally friendly, but also provides an optimised torque curve and more economical operation. Due to the integrated exhaust gas aftertreatment with diesel oxidation catalyst (DOC) and diesel particulate filter (DPF), the Kubota diesel engine, like the LPG engine, meets the strict exhaust gas standards of EU Stage 5.

Operators can look forward to low operating and maintenance costs with the S-Series. The vehicles have, for example, maintenance-free multi-disc brakes with oil cooling, which also show their strong braking effect on wet or dusty ground. At the same time, the brake booster ensures that less force is required for braking. The long maintenance intervals should also be emphasised. In case of maintenance, all relevant components are easy to reach for the service technician. Downtimes are therefore kept to a minimum.

Safe - Active safety systems reduce accident risk and increase performance

Clark offers the S-Series with numerous safety features: These include the standard automatic engaging parking brake, which is automatically activated when leaving the parked vehicle and makes the operator's daily work much easier. The truck control system prevents the forklift from starting against the parking brake. This not only increases safety, but also contributes to longer component durability. The parking brake also increases safety on ramps. The operator always has the truck under control, as unintentional rolling away or back is prevented. This anti-roll-back feature is standard and can be activated or deactivated via the truck's control system. Safety and comfort are also ensured by the direction switch integrated in the hydraulic or mini-lever. This allows the driver to change the direction of travel without having to reach around.

The load weight indicator is available as an option. This measures the weight of the load on the forks and helps the driver to avoid overloading the truck. With the Vertical Mast System (VMS), which is also optional, a tilt sensor automatically brings the mast into a vertical position so that goods can be stored and retrieved quickly and safely. The VMS positions the mast vertically both when tilting forwards and backwards and compensates for the vehicle position on uneven floors or ramps. In order to adapt the maximum travel speed of the truck to the application profile, a speed limiter is optionally available. And last but not least, Clark offers a car-like reversing

camera for safe reversing, with the aid of which the driver has an optimum view of the activities in his path when reversing.

Ergonomic driver's workplace

The ergonomic workplace concept of the S-Series offers the driver a high level of comfort. This starts with the entry: the driver can comfortably get on and off the truck via the wide non-slip step and the large grab handle. In the spacious interior, the driver enjoys the best head and legroom. Clark has placed the tilt cylinders under the base plate on the new series, thus ensuring unobstructed entry and exit. The comfortable full-suspension seat with safety belt has a folding backrest and can be adjusted to the weight of the driver. To increase safety during forklift operation, the transmission and direction switch can only be operated when the seat belt is fastened by means of appropriate additional equipment. The ergonomic steering wheel, automotive-style pedals and hydrostatic power steering allow the operator to control the truck intuitively and without effort. The vehicle is operated either by hydraulic levers attached to the bonnet or, optionally, by mini-levers integrated into the fully adjustable, swinging armrest. The movements required to operate the levers are minimal, relieving the strain on the driver's arm-shoulder area.

The splash-proof 5-inch TFT colour display provides information on all important vehicle parameters, such as travel speed, load weight and operating time until the next maintenance. Safety and warning messages can be individually programmed and are displayed in 26 languages.



In addition, the display is used for onboard diagnostics and has password-protected access in case of service. If desired, to save fuel and increase safety, the vehicle can be programmed so that the engine automatically shuts off at idle as soon as the driver leaves the truck seat. When a reversing camera is used, the image is transmitted to the colour display.

The overhead guard provides a good view upwards when storing and retrieving high racking levels. All mast variants with free lift have double primary cylinders so that the driver also has an unobstructed view of the forks and load to the front. By decoupling the engine, transmission and drive axle, Clark has reduced vibration and noise to a minimum so that the driver can concentrate on his work. A wide range of storage options, a 12V power connection and, on request, a radio or an additional USB charging port, e.g. for mobile phone devices, round off the workplace.

Individual configuration thanks to extensive additional equipment

Clark offers the S-Series with extensive additional equipment for a variety of different applications: These include container-compatible driver's protective roofs, a reversing camera, a Safety Light for visual warning when driving forwards and backwards, an acoustic reversing alarm, various seats with armrests or side bars, SE tyres, orange safety belt and a wide range of attachments. In addition, various cab variants are available: these range from rain (cab roof) or weather protection (roof and windscreen) to a partial cab (roof, windscreen and rear window) to a fully equipped full cab with two-part side door and sliding window, air conditioning, heating with proportionally controllable heating valve, heated rear window and front and rear windscreen wipers, so that the driver can work in concentration and comfort even in the harshest climatic conditions. www.clarkmheu.com

Cementing the benefits of specialist services from Hoist & Winch



The varied and specialist services available from Hoist & Winch Ltd have come to the rescue of a cement industry customer that was looking to replace a large rotor used in its production process. Thanks to the design, manufacturing, test, certification and installation services offered by Hoist & Winch, the cement works was able to avoid the long lead times associated with buying original OEM equipment, and successfully complete a highly complex and challenging lifting operation.

In essence, the objective was to lift and replace a large rotor fitted with pivot-mounted hammers that break down the media as part of the cement manufacturing process. Located at the base of a very large production enclosure, a pair of bearing journals provides support for each end of the rotor. Hoist & Winch had to design

and arrange manufacture of equipment that would help to lift the worn and replacement rotors in and out of position in a precise manner without damaging any adjacent equipment, including the main drive motor and gearbox.

The cement works last performed this particular maintenance lift to replace a worn rotor in 2010 using a pair of lifting lugs that had since been disposed of. New replacement lugs were only available from the original supplier of the cement production process equipment on a very long lead time, which did not meet the requirements of the customer's programme.

With a total design weight of 80T, rotor lifting was courtesy of a pair of tandem-controlled 41T SWL (safe working load) wire rope hoists located on monorail beams arranged at 90° to the rotor bearing journal stub shafts.

Kicking off the scope of work and working closely with a long standing trusted Sub Contractor, Hoist & Winch set about designing two 41T SWL rotor lifting lugs. As the basis for this task, the company used the customer's drawing of the 600mm diameter rotor stub shaft profile and site photographs of the original lifting lugs. Other assignments here included accurate surveys of the existing hoist runway beam centres and the hoist unit hook profile. Hoist & Winch then produced general assembly drawings for a final dimensional check on site and customer approval of the design concept.

As well as manufacturing the rotor lifting lugs, the Hoist & Winch scope included design and manufacture of a special mandrel that would allow proof load testing of the lifting lugs prior to delivery to site. Each 41T SWL rotor lifting lug had to undergo a test rig mounted, 200% static proof load test. Hoist & Winch also performed non-destructive testing (NDT) involving visual, X-ray and magnetic particle inspection (MPI) procedures, while dynamic load testing of the rotor lifting lugs took place at the customer's site using the new replacement rotor as the test load in advance of the lifting operation.

After passing all testing requirements, Hoist & Winch issued a LOLER (Lifting Operations and Lifting Equipment Regulations) Thorough Examination Report and Proof Load Test Certificate for the new rotor lifting lugs, along with 3.1b Material Certification for all materials used.

To see the project to its conclusion, Hoist & Winch witnessed the customer's use of the rotor lugs during a planned plant shutdown for the lifting operation to take place. In so doing, the company also provided standby breakdown cover for the pair of tandem-controlled 41T SWL wire rope hoists.



"This project demonstrates how our diverse and comprehensive portfolio of services can come to the aid of almost any lifting requirement," says Andy Allen, Director of Hoist & Winch Ltd. "Our professional team has decades of experience in lifting equipment services, for all applications. If your plant has any kind of lifting demand that would benefit from the input of industry experts, our team can help, beginning with a no-obligation discussion about the task in hand."

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Renovotec introduces latest Mobile POS & Ordering Devices that boost retail sales; Plus new-generation SD-WAN systems for faster, more secure retail operations

- Both technologies can be tested on a unique 'try before you buy' rental basis
- "Renovotec's role is to champion best-in-class technologies that increase retailer performance and profitability" says Renovotec CEO Richard Gilliard

In its latest industry move designed to champion the needs of the retail sector, independent supply chain hardware, software and services company Renovotec is introducing new in-store mobile POS (point of sale) and ordering devices with response and payment speeds that boost retail sales volumes according to the company. Renovotec is also introducing new-generation SD-WAN (software-defined WAN) systems that allow retailers to connect diverse applications and operations across their enterprise, with greater levels of network security and higher performance, delivering an optimum, 24/7 CX (customer experience).

Analyst IDC forecasts the SD-WAN market will grow by almost 20% per annum to 2025, and reports that SD-WAN is one of the fastest growing segments of the network infrastructure market - not least because 'enterprises are looking for ways to assure end-user and application experiences in distributed environments.'



Both retail technologies being introduced by Renovotec can be tested by users on a 'try before you buy' rental basis for three months, with full consulting and maintenance included. Users can then continue to rent their chosen devices or systems, or convert their rental to purchase. Renovotec is the only company in its industry to both sell and rent the products and services in its portfolio.

"Renovotec's role is to champion best-in-class technologies, such as the ones we are introducing today that increase retailer performance and profitability" says Renovotec CEO Richard Gilliard. "In a

competitive industry with fine margins faster, more responsive, higher volume sales with greater transactional security deliver very measurable benefits."

Renovotec's new initiative follows the strong response it received at the recent Retail Technology show, where its on-stand demonstrations included CCTV surveillance and queuing systems, kiosks and in-store communications as well wireless networking, scanning and labelling systems. The company also ran a free and independent on-stand consulting service.

www.renovotec.com

Linde unleashes powerful new electric tow tractors and platform trucks

A new range of powerful electric tow tractors and platform trucks is arriving on the UK market from leading materials handling solutions provider, Linde.

These innovative vehicles are designed to meet the demanding efficiency and safety requirements of automotive and other large manufacturing companies, airport operators and a wide range of other applications.

The electric tractors in the new Linde P120 to P350 series offer models with towing capacities of 12 to 35 tonnes. Despite their compact dimensions they can pull heavy trailers loaded with production parts or haul airport baggage trains over long distances coping effortlessly with slopes and gradients. The new range offers a choice of four different models with towing capacities of 12, 18, 25 and 35 tonnes based on 3 different wheelbases depending on capacity.

In addition to the four capacities of tow tractor, this range includes two platform tractor models, W20 and W30, able to transport loads of 2 or 3 tonnes on the rear platform as well as towing trailers of up to six tonnes in weight at the same time.

The new range has been completely redesigned in terms of both performance and ergonomics, yielding significant enhancements for all users. As well as the additional vibration isolation provided by the new axle suspension system and the isolated and suspended cabin, Sandra Karras, Product Manager Warehouse Technology, adds: ".... the vehicles have even greater endurance over longer distances."

Thanks to their powerful AC motors, the tractors can negotiate ramps, gradients and long distances quickly and reliably at speeds of up to 25 km/h. All variants can be powered by either

lead-acid or lithium-ion batteries with hydrogen fuel cells as a further option. Lateral or vertical battery changing allows trucks with spare batteries to cope with extended or multiple shifts.

Extensive safety features along with powerful drive technology provide enhanced driving comfort for operators as well as delivering fast and safe goods handling.

Safety features such as three independent braking systems, Linde Curve Control which automatically reduces speed in relation to steering lock and the gradient control option to prevent the tractor accelerating downhill, ensure both operator and load security.

Other safety equipment includes door lock sensors, a protective grille for the rear window, emergency stop switches at the rear for safety when linking up to a trailer, double mirrors on the doors, lighting solutions for all-round visibility and Linde BlueSpot to warn co-workers of vehicles manoeuvring in restricted areas.

Long-term durability is assured by a solid metal shield at the front allied to anti-collision protection members at the side and rear to withstand accidental impacts. The design of the tractors meets the regulations and standards applying to highly sensitive environments such as production flow lines or airports and can be easily register for use on public highways when towing suitably equipped trailers.

<https://www.linde-mh.co.uk>



Volta Trucks reveals Carrier Transicold as the supplier of refrigerated equipment at CV Show

Volta Trucks, the leading and disruptive full-electric commercial vehicle manufacturer and services provider, has confirmed the selection of Carrier Transicold as the sole supplier of refrigerated equipment for the full-electric 16-tonne Volta Zero. Carrier Transicold is a part of Carrier Global Corporation (NYSE: CARR), the leading global provider of healthy, safe, sustainable, and intelligent building and cold chain solutions.

The supply agreement follows a project in which Carrier Transicold engineers worked closely with the Volta Trucks development team to integrate engineless 'Iceland' all-electric refrigeration systems and PowerBox technology into the new Volta Zero. The system is designed for customers needing a sustainable, temperature-controlled urban delivery vehicle.

Announcing the supply agreement with Carrier Transicold, Ian Collins, Chief Product Officer of Volta Trucks, said: "Selecting Carrier Transicold as our supplier of refrigerated equipment for the Volta Zero was logical, given our strategy of working with world-leading partners. Carrier Transicold is a global company offering best-in-class engineless refrigeration solutions. Carrier Transicold Iceland units are proven in the marketplace, and it seamlessly integrates with our powertrain and control systems."



The Iceland eCool is a high capacity undermount system that operates in conjunction with the PowerBox that functions like an electronic power take-off. The PowerBox takes energy from the Volta Zero driveline and converts it into the 400V AC current at 50Hz which is required to operate the Iceland unit. From an operational perspective, the Carrier Transicold system achieves more than 95% efficiency when converting energy from the electric driveline to power the refrigeration system. The Iceland unit is quiet, operating below the PIEK noise threshold.

"We have invested in electric technology over the past two decades, and we are pleased

customers are reaping the benefits," said Victor Calvo, President, International Truck & Trailer, Carrier Transicold. "Reducing emissions and noise continues to be a focus, and this project with Volta Trucks ticks all the boxes."

As part of the agreement, customers specifying a temperature-controlled Volta Zero can access Carrier Transicold's pan-European service network – the largest of its kind, providing the most comprehensive levels of workshop and mobile-based aftermarket support for servicing, repairs, replacement parts and breakdown assistance. www.voltatrucks.com

Rite-Hite launches new guide to deliver safety at every angle of the loading bay

Rite-Hite, one of the leading manufacturers of industrial health and safety equipment, has published a new free guide to Loading Bay Safety, giving facilities managers a comprehensive overview of industrial regulations, technological advances and trends, and best practice advice for ensuring safety across every angle of any loading bay environment.

To address one of the most dangerous areas of any warehouse, manufacturing facility or processing plant, the guide takes an in-depth look at the biggest safety risks and threats posed in and around the loading bay. It examines vehicle creep and forklift dangers to the risks associated with poor communication – and how these threats can be prevented by taking a solutions-led approach to safety, harnessing a range of equipment and safety systems that already exist.

It also explores the future of the logistics industry and the latest trends towards increased automation, smart equipment and technology and the continuing shift towards a fully digital future, and how these advancements can have a truly positive impact on the industry.

Thorsten Mauritz, Marketing Manager (Europe) at Rite-Hite, says safety in and around the loading bay cannot be compromised: "All senior executives within the logistics industry are trying to balance increasing efficiencies throughout their operation and processes with the uncompromising need for safety, one can never come at the expense of the other, and this is a real challenge. "This is leading to safety equipment providers taking a holistic approach to safety that should be considered

at a solutions level. For almost 60 years, Rite-Hite has been recognised as an expert in loading bay safety. We assess every hazardous area, creating robust and practical safety solutions that enable people to work with the highest level of protection and productivity. "From the parking bay floor to the loading dock ceiling, we've got every angle covered."

To download your free guide, go to: <https://info.ritehite.com/en/eu/loading-bay-safety-guide>



www.ritehite.com

RITE-HITE
ALWAYS LOOKING AHEAD

Biggest Global Professional Clothing and Workwear Summit, Awards and Networking event yet

PCIAW® announces the UK's biggest PCIAW® Summit & Awards yet, with a further increased global reach and over 30 international speakers. At the Radisson Blu Edwardian Hotel, London Heathrow, the summit, exhibition, and networking events will take place on October 18/19, 2022, culminating in the prestigious awards ceremony during the evening of October 19, 2022.

The 2022 PCIAW® Summit, hosted by Charles Ross, Lecturer at the Royal College of Art, is an essential educational event for the professional clothing, workwear and textiles industry and is esteemed and unique in the UK for its international networking opportunities across the supply chain for fibres, textiles, uniforms, workwear, and personal protective equipment (PPE).

As the industry accepts the new normal, the PCIAW® Summit and Awards 2022 will be the one-stop-shop for all the education and advice the textiles industry needs. Specialist data will extrapolate the state of the market for professional clothing, whilst key figures talk strategy on the reconfiguration of disrupted supply chains, and representatives of onshore, nearshore manufacturing partners pitch to be the next solution.

"PCIAW® is the first member-led UK organisation to represent the global companies of the professional clothing industry," states Yvette Ashby, Founder and CEO of PCIAW®.

"We are unique in that we encompass the entire supply chain from buyers, suppliers, manufacturers, and distributors

and take pride in being the association that connects international partners for collaboration and education. Tickets for both the summit and awards ceremony are already proving popular with our long-term members plus new organisations that are often introduced to the benefits by existing attendees."

For the very first time, the PCIAW® Exhibition will take place alongside the global conference, showcasing 20 international specialists in designed uniforms, functional workwear, and lifesaving PPE. Both days feature a state-of-the-art fashion show highlighting the cutting-edge garments from the exhibiting stands. Organisations should book tickets at <https://pciaw.org/shop>. This year's theme: 'What's Next in Professional Clothing?'

The PCIAW® Summit's 2022 theme will be 'What's Next in Professional Clothing?' featuring leading international experts who are set to examine the fluctuating trajectory of the textiles industry, whilst interactive panels explore the impact of the war in Ukraine, hyperinflation, skills shortages, and the unstoppable drive towards sustainability innovation.

Global sponsors and partners of the PCIAW® Summit 2022

Meryl Fabrics®, the pioneers of sustainable textiles are this year's headline sponsor of the PCIAW® Summit & Awards event, alongside Hohenstein and Klopman International. The PCIAW® would also like to thank the President of ANIVEC, César Araújo and Milliken & Company for our long-term partnerships for the two-day networking event.

Collaborative discussions on policy and best practice

The textiles industry is changing and so is the art of tendering, with environmental and social value criteria beginning to amplify in importance in the buyers' minds. Collaborative discussions from key figures in diverse sectors of professional clothing will share insights on best practices and policy on delivering tenders for a win-win outcome.

Make better, buy better, protect the future will be a focus across the two days. The temptation of the make-use-dispose model for low unit costs is damaging the environment and buyers' bottom lines in the long run. The professional clothing industry is unrivalled in its ability to make products to last with durable materials and reverse the

commoditisation and single use mindset of garments and PPE.

Showcasing sustainable textiles technologies

The PCIAW® Summit 2022 will showcase sustainable technologies which are transforming the possibilities at end-of-life, offering hope that the current 1% figure for garments being recycled in a circular system can start to improve. For all the interests of the textiles industries, the PCIAW® Summit is gathering the most informed speakers for expert guidance in troublesome times.

The PCIAW® brings together the insight, influence and tenacity of experts and individuals to strengthen the position of the professional clothing industry.

<https://pciaw.org/shop>

Top Female Warehouse Manager makes Amazon Every Woman Award shortlist



A top female warehouse manager has been shortlisted in the prestigious Amazon Everywoman Awards for Transport and Logistics.

Lisa Tomlinson, 3PL Divisional Director, Carlton Forest 3PL has navigated her way through the application and interview process and has now made the shortlist in the Warehouse Leader category.

“This is richly deserved as Lisa is a shining example for all females in the industry and is a wonderful asset to our business,” said Mark Pepper, CEO, Carlton Forest

Group. “She has been a wonderful addition to the Carlton Forest team and she would be such a worthy winner of this accolade.”

The Amazon Everywoman Transport and Logistics Awards are to take place on 30th June, in person, at London’s JW Marriott Grosvenor House Hotel on Park Lane.

“I am really pleased to have made it to the final shortlist and am very much looking forward to attending the awards in June,” said Lisa. “It’s fantastic to have a forum to celebrate the great work that women do in the industry, and

to showcase the fantastic career opportunities that are available for future generations. I hope we all provide some inspiration as to what can be achieved through hard work and determination and a genuine passion for what you do.”

To view the full shortlist of finalists visit Finalists – everywoman in Transport and Logistics Awards (everywomanforum.com)

Further details about Carlton Forest 3PL can be found by visiting www.carltonforestgroup.com

UK Tech Specialist Despatch Cloud partners with JD International Logistics

Despatch Cloud (<https://despatchcloud.com/>) has partnered with JD International Logistics, a subsidiary of China’s largest retailer JD.com, to support JD’s Logistics operations in the UK fulfilment market.

JD will be using Despatch Cloud’s cloud-based sales channel connection technology to link fulfilment customers’ websites to its warehouses, as well as its Shipping tool - for access to the services of any of the 70+ supported couriers.

Despatch Cloud technology allows JD to securely pull orders from the websites and marketplaces of its clients, enabling JD International Logistics to roll out its services faster in the UK. The partnership has also enabled JD to produce courier labels for the UK and beyond – assisting with despatch across the continent.

Barry Yu, General Manager of JD International Logistics UK branch, said: “Despatch Cloud channel connection solutions provide a seamless integration of our global distribution network with British ecommerce businesses, helping us tap into Despatch Cloud’s local expertise in the UK ecommerce and courier market.”



Matthew Dunne, founder and CTO of Despatch Cloud, added: “We are delighted to have been selected to work with JD.com in the UK. With technology at its heart, it’s a hugely exciting company to be aligned with.”

More about Despatch Cloud

Despatch Cloud, the cloud-based order, warehouse and shipping system for e-commerce, provides state-of-the-art software that automates processes, facilitates scalability and helps clients to reach peak efficiency.

Software as a Service provider

Despatch Cloud helps e-commerce firms simplify their order flow. It removes barriers to business growth and makes enterprise automation available to businesses of all sizes – across myriad sectors.

The company prides itself on breaking the mould to create simple and intuitive products, designed to manage complex environments and has plans to become the leading innovator in post-purchase technology.

Conker launches most powerful devices to date

-New 8" NS85 handheld tablet and NS105 10" tablet most powerful when it comes to RAM and storage capability for logistics productivity-

Conker, which provides reliable devices for mobile workforces, will be prototyping its new NS85 8" handheld tablet and 10" NS105 tablet at this year's Final Destination Logistics event.

The latest products are Conker's most powerful yet when it comes to memory (RAM) – standing at 8 GB (upgraded from 4 GB), and data storage of 256 GB, (compared to the current range at 64 or 128 GB). They are launched in response to client demand for driving logistics productivity during these competitive times – with a view to increasing operator efficiency and uptime, due to the faster processing capacity.

The tough dustproof, drop-proof and waterproof devices run on the Windows 10 operating system with a powerful Intel i5-8200Y processor. They are touchscreen, have a 2D barcode scanner, and can work in storage temperatures of minus 25 to plus 80 degrees centigrade and operational temperatures of minus 20 to plus 60 degrees centigrade.

James Summers, CEO at Conker, said: "Our focus is centered around continued innovation to support the logistics sector in driving operational efficiencies - these latest launches are testament to that mission. With massively increased storage and memory, the new devices will

remain quick to respond for the operator, whilst storing vast amounts of data – helping to improve workflows.

"The Conker team will be demonstrating the NS85 and the NS105 at Final Destination Logistics and inviting companies to be part of the prototyping. Conker will be testing them thoroughly and once fully tested they will hopefully be released in later 2022.

"All Conker devices have a wide range of features essential for the workplace. The NS85 and NS105 are also IP65 rated for ruggedness - with a real focus on supporting mobile workforces with reliable devices."

All Conker products come with a free one-year 'Relax' accidental damage warranty, which means customers are covered on all their devices, whatever happens, no quibbles. Three- and five-year accidental damage warranties are also available with no small print and no exclusions, with comprehensive cover to include fire and theft, batteries, and a 20 percent reduction on fees for full replacements.

Conker will be exhibiting on stand 514 at the Final Destination Logistics 2022 where you will be able to see the prototypes. For further information, please visit www.weareconker.com.



Renovotec launches e-commerce warehouse system



- Features state-of-the-art packing station
- 'Try before you buy' with discounted rental for six weeks

Supply chain hardware, software and services company Renovotec is launching an e-commerce warehouse system that increases performance by up to 25% and drives down e-commerce operating costs by some 30% according to the company. At the heart of Renovotec's offer is a state-of-the-art packing station with a high performance, hands-free overhead scanner, interactive touchscreen control and high-speed label printer, all supported with full installation, maintenance and media. Related handheld scanners and additional industrial label printers can be added to the mix. Users have the option to 'try before you buy' with a period of six weeks 50%-discounted rental.

Renovotec technical consultants can provide a free service that enables users to integrate the Renovotec e-commerce hardware

and software with their existing systems, optimising performance and minimising costly downtime, while its business consultants can advise on e-commerce strategy.

"In the world of e-commerce innovation pays dividends so we expect our new system to pay for itself rapidly" says Renovotec CEO Richard Gilliard.

Overall digital commerce platform revenue is forecast to grow at 12.9% per annum (CAGR) through to 2024. More than four in ten of those surveyed say they are 'aggressively investing' in new products and services to support digital commerce, while a similar number say they are investing in new technology to enable digital commerce.*

*source: Gartner

www.renovotec.com

Top Tips for Warehouse Productivity



Conker celebrates World Productivity Day and offers its tips on making your warehouse smarter and more productive

Productivity is defined as “the efficiency and quality of production of goods or services”.

Some barriers to productivity include distraction and interruptions, lack of information, ineffective communication, insufficient training, inadequate tools and equipment, stress and too much to do.

Conker, which provides a range of rugged, wearable and scannable devices for mobile workforces, offers its top tips on productivity for warehouse managers.

Tenneil Olivier, manufacturing business development executive at Conker, comments: “An efficient warehouse is critical for customer satisfaction because it helps to ensure quick and accurate delivery of orders, increasing brand loyalty.”

Streamlining processes

A typical warehouse has a considerable amount of activity going on at any point in time.

Streamlining processes to improve efficiencies can be achieved by considering warehouse layout, improving storage - based on the Six Sigma[1] principle from lean manufacturing, warehouse replenishment processes and streamlining picking and packing.

Adopting technology to improve productivity

Adopting technology that can handle business demands and will ultimately help in improving productivity.

Using barcode or radio frequency identification (RFID) readers can improve the accuracy of transactions and reduce picking errors. Chartered Institute of Procurement and Supply (CIPS) research conducted at the University of Arkansas shows that using RFID increased inventory accuracy by 27 per cent in just 13 weeks.

Wearables

Wearable scanners, designed to keep workers' hands-free, can reduce each scanning action by a further five seconds – boosting efficiency and productivity even more.

When introducing wearables (or any device) it is vital to ensure that it neatly fits to the IT architecture stack for the business. The operator can then ensure items have been picked correctly by using a glove and PDA combination, and that back-end systems can monitor stock control in real-time through the smooth flow of data.

Going rugged

Devices that are “just tough” no longer meet the needs of many fast-paced hard-working environments.

Buyers expect rugged device manufacturers to have considered operating systems, types of viewing screens, battery life, data security devices' communications capabilities and ease of use.

But how do you know how tough, tough is? Rugged devices are a type of hardware designed specifically to tolerate the harshest environments. From extreme temperatures to dusty environments, wet conditions and then back into the office. They can tolerate a range of hazards including exposure to fluids and extreme vibrations. Touch screens can be operated with gloves on and as the battery life is designed to last an entire shift - rugged devices are built to last. These attributes can positively impact costs in downtime and time and cost to replace devices that are not durable enough. All Conker devices are drop tested typically to 1.2m and for peace of mind have the durability rating of IP65.

Improving workflows and productivity

Increased speed and accuracy of working may be obvious. Other benefits of rugged wearables include the improvement of productivity as workers can scan items without interrupting workflow. Compared to

traditional scanners and other mobile devices wearable devices are less likely to get damaged or dropped, resulting in lower equipment replacement costs over time. The ergonomic design of wearable scanners makes them feel natural to use in day-to-day operations.

When a backhand scanner is used in conjunction with a glove, workers benefit from having a full range of hand and digit movement. Running on familiar operating systems also helps with a reduction in the need for training and easier adoption.

The new era of smarter warehouses

James Summers, CEO at Conker, added: “The products surfacing during this new era of smarter warehouses are further supported by automation and real-time connectivity with other departments. The results include increased productivity, reduced resources, and speed of response to customers' orders resulting in improved bottom lines.

“It is vital that warehouse managers ensure good usability testing on all tablets, handheld and wearable devices, because good usability will help to support a happy workforce. And, they shouldn't be afraid to demand upfront user testing before committing to new devices in the IT stack.”

More about Conker

Conker was founded in 2008 and offers a wide range of rugged devices for mobile workforces built on both Android and Windows platforms. The company is committed to improving productivity and workflows

UK-based, Conker devices are shipped from and serviced in the UK. Customers go directly through to a UK-based team person at Conker not to a switchboard or IVR.

The company was recognised as one of the FT 1000 Europe's Fastest Growing Companies (2018) and is a Winner Deloitte Technology Fast 500 (2017).

Leading family owned 3PL scores three shortlist places in UKWA Awards

A leading family owned 3PL has been shortlisted in an amazing three categories at this year's United Kingdom Warehousing Association (UKWA) Awards.

Carlton Forest 3PL, which remains family owned as it continues to deploy its ambitious five-year growth plan, has made the final in the categories of Logistics Service Provider of the Year, Warehouse Manager of the Year for Bradley Hall, Site Supervisor at its Bawtry park site and Young Employee of the Year for Alistair Plant, Business Development Manager.

"We are naturally thrilled to have made the shortlist for these prestigious industry awards and this shows just what a major player we are in the warehousing, logistics and supply chain sector," said Lisa Tomlinson, 3PL Divisional Director, Carlton Forest 3PL. "Both Bradley and Alistair are well deserving of their nominations and finalist places, as is the business as a whole which reflects on what we have



Alistair Plant

achieved, our plans for the future and the superb team that we have that delivers each and every day."

The awards are to be held on Tuesday 28th June at The Royal Lancaster Hotel, London. Members of the Carlton Forest team will be in attendance to support all finalists, and to celebrate all that has been achieved by the industry in the last two, very challenging, years.

"I am very proud of the team, and Bradley and Alistair, and



Bradley Hall

wish all finalists the very best of luck," said Lisa. "It will be a superb event and showcase the very best of an industry in which we are all very proud to work in."

To find out more about UKWA Awards and to book tickets visit <https://www.ukwa.org.uk/events/ukwa-annual-lunch-2022-tues-28th-jun/>

Further details about Carlton Forest 3PL can be found by visiting www.carltonforestgroup.com

Randex introduces Rental and Leasing Schemes for its 'Compact' Vertical Storage Systems

- Both schemes include full technical support and maintenance
- Option to convert any lease into full ownership after 24 months
- Rental available from three months, handles seasonal spikes in demand

"Randex' new rental and leasing schemes are ideal for businesses with a short-term need, or companies wanting to reduce their capital expenditure" says Randex director James Roberts

Leading vertical storage lift company Randex is introducing rental and leasing schemes for its range of 'Compact' vertical storage systems: both include full technical support and maintenance for the life of any agreement. Under the scheme a lease can be converted into full ownership at any time after 24 months, converting the Compact system into an asset, while rental is available from as little as three months to handle seasonal spikes in demand.

"Randex' new rental and leasing schemes make our range of Compact vertical storage systems accessible for almost



any organisation. They are ideal for manufacturing and other supply chain businesses with a short-term need, or companies wanting to reduce their capital expenditure" says Randex director James Roberts.

Randex is claiming an industry first for its new rental and leasing schemes.

The latest version of Randex' Compact system, built using its industry-benchmark automated vertical storage technology includes a modern HMI* touchscreen that is highly intuitive and can significantly increase operator speeds according to early feedback from Randex users. (*Human-machine interface)

Compact vertical storage lifts save up to 90% of floor space compared to standard shelving and pallet racking say Randex.

They can manage loads of up to 100 metric tonnes and allow warehouse operatives to complete up to four times more picks than in a conventional warehouse environment, with goods automatically presented to the picker.

Compact vertical storage lifts can now be integrated with over twenty leading enterprise systems including IBM Maximo, SAP, JDA, Red Prairie and Blue Yonder.

Randex Ltd is the sole UK distributor for Compact Vertical Storage Lifts, manufactured in Sweden by Weland Solutions, a member of the privately owned, global group Weland AB. Randex customers include Bombardier, DHL, Fujifilm, Howdens, Hutchison Ports, Jaguar Land Rover, Ministry of Defence, P&G, Pfizer, Rolls Royce and Specsavers. www.randex.com

Utz Group celebrates 75 years of success



Global market leader for returnable packaging, the Utz Group, is marking its 75th anniversary this year. With a special 75-year logo, the company is celebrating its growth from humble beginnings in Switzerland into a thriving, international business that manufactures over 20 million products a year.



“Our 75th anniversary is a great time to indulge in a little nostalgia,” commented Russell Evans, General Manager of Georg Utz Ltd, “and also to look forward to the future. Along with the whole team at our UK facility in Alfreton, Derbyshire, I’m very proud to be a part of such a dynamic and growing company.”

At this major milestone, the Utz group continues to demonstrate the spirit of innovation instilled by its founder. Even with the foresight and determination that helped him to found the company, Georg Utz could not have predicted that, 75 years later, some 1500 people would be employed by a company bearing his name.

Founded as a toolmaking firm called ‘Georg Utz Werkzeug- und

Apparatebau’ in Zurich in May 1947, the company began to focus on manufacturing a zigzag device for sewing machines that Georg had developed himself. This patented product enabled the fledgling business to flourish, with well-known sewing machine manufacturers, including Singer, among its customers. In 1953 Georg moved the company – now named Georg Utz AG and with 16 employees – to larger premises in Bremgarten.



Production of the zigzag device for sewing machines circa 1955

Early challenges overcome

It is often in challenging times that true character is revealed. In 1958, demand for the Utz zigzag device collapsed abruptly when sewing machines with integrated zigzag stitching came onto the market. Fortunately, Georg had installed an injection-moulding machine to produce the packaging for the zigzag apparatus and he could see its potential to transform the packaging market. With his entrepreneurial drive, he was able to turn his vision into reality, producing plastic products for both household and industrial use.

The RAKO: a game changer in logistics

Using the largest injection-moulding machine in Switzerland, Georg Utz AG began to focus its business on storage and transport containers produced from plastic instead of the traditional metal. The RAKO container – short for its innovative RAhmenKONstruktion (frame construction) – was launched in 1965 and the product range continued to expand. In the early 1970s, the development of customer-specific containers was added – the foundation stone for the current core business. Today, close co-operation with customers results in a constant



Delivery of an injection-moulding machine in 1963

stream of new products to meet their varied logistics requirements.

Recycling plant

Another innovation for Utz came when its plastics recycling plant was put into operation in the late 1970s. Sustainability, reusable solutions and recycling at the end of the product life cycle are part of the DNA for Utz. As the company expanded, subsidiaries were established abroad. The first was in Germany in 1971, followed by Great Britain (1990), France (1992), Poland (1997), USA

(2003), China (2005) and Mexico (2017).

The Utz tradition

Today, Utz employs almost a hundred times more people than the 16 who worked in the Zurich workshop all those years ago. Despite huge growth, the past and present companies have many similarities: the spirit of innovation, the commitment to supplying the highest quality products and the culture of a family business.

www.utzgroup.com

First to market 'Randex VR'

system simulates storage space and performance

- System uses virtual reality (VR) and BIM technology to simulate best in-building vertical storage lift location and picking processes.
- Generates digital models to demonstrate best machine fit and optimum picking speeds, viewed using VR.

Leading vertical storage lift company Randex is launching a virtual reality (VR) system that simulates vertical storage space and performance. The 'Randex VR' system, for which the company is claiming an industry first, uses VR and BIM (building information modelling) technology to graphically test and demonstrate in-building vertical storage lift location and the picking throughput that the Randex Compact vertical lift supports. Randex VR generates digital models that show best machine fit and the optimum picking speeds that can be achieved in a 'what if?' scenario.

The technology is already being piloted by a Scottish manufacturer. Commenting on the launch, Randex director James Roberts says: "Randex VR is the first system of its kind in this market. Its advanced space and performance planning capabilities will save industry time and money as well as giving automated vertical storage users a competitive edge."

Compact vertical storage lifts save up to 90% of floor space compared to standard shelving and pallet racking say Randex.

They can manage loads of up to 1.5 metric tonnes per storage tray and allow warehouse operatives to complete up to four times more picks than in a conventional warehouse environment, with goods automatically presented to the picker.

Compact vertical storage lifts can now be integrated with over twenty leading enterprise systems including IBM Maximo, SAP, JDA, Red Prairie and Blue Yonder.

Randex Ltd is the sole UK distributor for Compact Vertical Storage Lifts, manufactured in Sweden by Weland Solutions, a member of the privately owned, global group Weland AB. Randex customers include Bombardier, DHL, Fujifilm, Howdens, Hutchison Ports, Jaguar Land Rover, Ministry of Defence, P&G, Pfizer, Rolls Royce and Specsavers.

www.randex.com



Workplace Safety:

The importance of efficient Fuel Handling & Fuel Storage Solutions

While fuel is an essential resource for many industries, it's also a highly-dangerous and flammable material - one that should be handled with the utmost care. If your business stores fuel on-site or requires your team to transport or handle fuel regularly, you need to take certain precautions.

In this article, Northern Tank Store discusses the various ways you can ensure the safety of your team when it comes to the proper fuel handling and using efficient fuel storage solutions in the workplace.

What are some of the risks and dangers involved in handling fuel in the workplace?

There are several health and safety risks associated with fuel handling in the workplace. It's crucial that every employee is aware of the risks and dangers involved and what to do in an emergency. Employees should be properly trained and know what they should do in certain situations. These are some of

the most common risks when handling fuel at work:

Fire hazards

Fuel is highly flammable and can ignite at room temperature. You need to keep it away from open flames, static discharge, sparks, and other possible forms of ignition. Furthermore, since fuel is an oil-based liquid, there is a chance that the fire can be spread instead of extinguished when trying to put it out with water. Instead, you need a carbon dioxide, dry chemical powder, or foam extinguisher to put out a fuel fire.

Risk of explosions

While spilled fuel poses a risk of fire, contained fuel poses a risk of explosion. If your fuel is in a storage container and happens to ignite, all that combustion within a confined space can result in a powerful explosion.

Slip hazards

Fuels and oils are naturally lubricant so even a small patch of spilled fuel can cause a potential slip risk in the workplace. Spillages must be

cleaned up immediately and warning signs set in place to protect everyone working in the area. Using efficient fuel storage solutions to store your fuel can make sure that your fuel is properly and safely contained.

Inhalation and ingestion risks

The fumes from various fuels can cause serious damage if inhaled or ingested. Initial symptoms include headaches, dizziness, nausea, and confusion, while prolonged exposure can result in more serious damage.

It's therefore important to wear personal protective equipment (PPE) when handling fuel in the workplace and be careful about working too close with hazardous materials.

Useful tips for fuel handling in the workplace

No matter which type of business you run, there are general rules to follow if your daily work involves handling fuel, such as petrol, diesel, and HVO fuel.

Whether you operate a petrol station, maintain farming vehicles, or dispense fuel at transport depots, here are just some precautions to follow when handling fuel in the workplace:

- Do not smoke - This should be obvious, but it's worth reiterating. While a cigarette is unlikely to ignite the fuel itself, vapours from the fuel are more volatile and can easily catch fire.
- Keep your fuel caps closed - Apart from when you are filling and gauging, you should always keep your fuel canisters tightly sealed, to prevent vapours from escaping. When running a business, it's important to be safe when storing fuel, therefore it's crucial to have high-quality fuel storage solutions for your company.
- Have spill kits standing by - Fuel is both a fire hazard and a slipping hazard. If it gets spilled in the workplace, it's important to clear that up as a matter of urgency. When fuel handling in your place of work you should always have a spill kit nearby in the event of spillage.

Useful tips for proper fuel storage in the workplace

Whether you are using fuel storage for diesel, petrol, or other fuels, it's important to maintain your fuel tanks and store them both efficiently and correctly. When storing fuel in your workplace, there are certain guidelines you should follow:



- Don't store more fuel than you need - Unless you are in the fuel-distribution business, there is no sense in keeping more fuel on-site than your company needs. Excess fuel supplies increase the likelihood of an explosive incident in the event of a fire on the premises.
- Store fuel away from any heat sources - especially sparks and open flames.
- Use approved storage containers - Fuel needs to be stored in the right types of fuel storage tanks - ones specially designed for the purpose. It's important to use commercial and industrial-grade storage containers for safely storing fuel on work premises.

- Use bunded fuel storage tanks where possible. These are tanks that include an outer skin as well as an inner tank to store the fuel.
- The space between the layers, or the "bund" is able to contain fuel should a spillage occur. The double layer design also offers additional protection against spillage should the tank be punctured or damaged.

For fuel storage solutions and quality spill kits of various sizes and capacities, contact the experts today. Nortertankstore.co.uk to see which fuel tanks and fuel storage solutions you can use for your company.

Top 5 Compressed Air Safety Tips to follow at work

We don't tend to think of air as being dangerous, but when it's discharged under pressure, a whole load of safety hazards can potentially happen. If an air compressor, or an inflation process, fails, this can cause explosions and cause severe injury in the workplace. More commonly, accidents involving air pressure equipment occur from operator error. That means compressed air safety tips, safety procedures, risk assessments, maintenance schedules and training programmes are essential to follow to minimise the potential for accidents.

Whether you're working in a motor garage or an industrial warehouse, here are some useful compressed air safety tips to follow.

1. Don't point a compressed air jet at yourself or someone else

It sounds illogical but directing compressed air towards someone can be lethal. Back in the old days, people used to give their work overalls a quick blast with an air gun to clear off the muck. However, using compressed air against its intended use can be damaging. Consider that air at as little as 1 bar can pop an eye out and at 3 bar it can burst an eardrum from a few inches away. It's

important to remember that compressed air is not safe to breathe in and air compressors should only be handled in a safe and professional manner.

2. Perform pre-operation checks for compressed air safety

Carrying out a series of checks before operating an air compressor will ensure it performs safely and efficiently. Check the following before use:

- Oil level
- Fuel level if applicable
- Ensure the compressor is securely fitted to its air source
- That the air filter is not dirty or clogged
- Hoses and lines are free from holes and tears
- If using an electric air compressor that is correctly grounded
- Ensure all components, hoses, pipes and fittings are rated for the maximum pressure of the compressor
- Check any connected tools to ensure the trigger is not engaged
- That all guards on moving parts are secure and in place

A fully implemented preventative maintenance schedule will prevent most problems from occurring and ensure the equipment operates at its optimal performance levels.



3. Always wear proper PPE

In many industries, it's important that workers wear personal protective equipment (PPE) to ensure that they are protected at work and that they follow workplace safety guidance. In warehouse environments, there are many warehouse safety hazards to be aware of in daily operations. Slips, falls, working with machinery, and working with hazardous materials are common hazards to be mindful of when working in a warehouse and in other workplaces. But wearing PPE and following the proper safety protocols and guidance can ensure that workers are safer at work.

When working with compressed air, PPE such as impact-resistant gloves and goggles are essential wear before commencing any task involving an air compressor. Wearing a dust mask can also protect the face and airways when air compressors knock up dust, dirt and debris. For more compressed air safety,

hearing protection will also usually be necessary and a good pair of steel-toe boots will protect the operator from any falling objects, including the compressor itself if it's a portable model.

4. Pay attention to any signs during operation that may indicate a problem

When working with an air compressor certain sounds or features might suggest there is an issue with the equipment. Keep an eye and an ear out for:

- Error messages on any monitoring system
- More noise, knocking or rattling than usual
- Excess moisture or condensation
- A loss in air pressure or inconsistent air pressure levels
- Signs of overheating
- Excessive oil consumption or noticeable oil in the discharged air
- Breakers tripping frequently on electric models

5. Stay in control & know how to use your machinery

Professionals must be vigilant with compressed air safety as it's essential to stay in control of an air compressor at all times.

Maintain sound footing and position the unit on a solid level footing. Keep hands, clothing and hair away from the machine. Also, make sure you have adequate space to work, that other people are clear from the immediate vicinity.

Because air compressors are used in a wide variety of industrial, commercial and domestic applications, staying safe means knowing what the job is and just what the compressor can do and how you use it.

There are many benefits of an air compressor for your business, so doing machinery research prior to purchase can help you find the right equipment for your company.

10 Rules for Forklift Safety

by Sarah Degnen, Product Manager at SafetyBuyer

Heavy machinery is one of the most common causes of on-site injuries. While there are strict regulations about the use of forklift trucks and other dangerous vehicles, accidents still occur when not everyone is pursuing health and safety best practices.



Even when you are meeting all of your legal responsibilities as an employer or site manager, there may be extra steps you can take to make workers safer and cut the risk of accidents involving forklift trucks and other heavy vehicles. Below, we have listed ten things you can do to improve safety, from legal obligations through to best practice ideas that you can use for the protection of your workforce.

1 Training

It is a legal requirement for businesses to provide training for any forklift operators that will be working on their site. Whether you train in-house, bring in external training providers or pay for drivers to take courses and earn qualifications, all forklift operators must meet the standards outlined in edition L117 of the Approved Code of Practice (ACOP).

2 PPE

Providing suitable PPE is one of the best ways to avoid and prevent accidents and injuries; it is also necessary in many cases for legal compliance with regulations. The type of PPE that will be necessary will depend on the specific risk factors you have identified, but will usually include high-visibility clothing and hard hats.

3 Risk assessments

Carrying out thorough risk assessments is one of the most important duties of a business in maintaining high standards of health and safety. It is impossible to avoid or mitigate risks that you are unaware of, and you could be found liable for any accidents that happen on-site if it emerges that you have not carried out diligent risk assessments and put measures in place to keep forklift drivers and other workers safe.

4 Remove hazards

In some cases, it will be possible to mitigate hazards through the provision of PPE and thorough health and safety training (including regular refreshers to keep everyone at the same level). However, some seemingly minor hazards can have an outsized impact on forklift trucks and must be dealt with accordingly. Uneven flooring, trucks that are not fitted with seatbelts, and insufficient space for trucks to operate in are all hazards that can be mitigated or removed.

5 Traffic management

Many of the most frequent accidents involving forklift trucks are caused by speeding, poor visibility due to loading, or drivers not taking enough care with observations. These problems can be avoided by taking care when operating a vehicle, but for a manager who wants to implement

procedural improvements, traffic management is also key. If there is enough space, you should try to keep routes for pedestrians and vehicles separate with a floor marking system, or designate routes for forklifts to use and mark these clearly for the benefit of all workers.

6 Signage

Whether your site can accommodate separate pedestrian and vehicle traffic or not, safety signs placed at intersections can help to remind everyone to take care and make pedestrians aware of possible danger areas. Appropriate signage can also remind workers of their overall health and safety responsibilities and promote more responsible behaviours in high-risk work environments.

7 Safe loading

Safe loading does not only require that trucks not be overloaded or that goods are carefully secured - it also contributes to the driver's visibility, and wherever possible goods should be loaded such that a forklift operator has the best possible view of the area in front of the vehicle.

8 Vehicle checks

Drivers should check their vehicle over prior to using it, and all vehicles in use should be checked at least once per day.

This includes repositioning mirrors to give the driver the best possible view of their surroundings, testing brakes and adjusting the positions of the

seat and the controls to ensure they are easily and comfortably accessible. If drivers swap vehicles, each driver should adjust their vehicle they use to their needs before piloting it.

9 Safety inspections

As well as having each driver adjust the vehicle to their needs before they begin to use it, you should carry out regular safety inspections to ensure that forklift trucks remain in good working order. The law mandates that all lifting vehicles must be thoroughly examined at "suitable intervals" - at least once a year - and this must include inspection of lifting parts, such as the mast, chains, carriage, forks and tilt mechanism.

10 Know the consequences

The British Safety Council estimates that each year, around 1,300 UK employees are hospitalised by forklift truck accidents, and some 25% of workplace transport injuries involve forklifts. It is important to be aware of how prevalent these types of accidents are, and the serious consequences they can have for workers and businesses.

By following these guidelines and working proactively to mitigate risks, site managers can avoid accidents and injuries. While they may be unlikely in many cases, treating forklift truck accidents as though they are impossible can make them much more likely to happen, so it is important to take as many steps as possible to keep everyone safe.

40-Year old Hillhead still attracts Bunting

The first Hillhead was held in 1982 and over those 40 years Bunting has manufactured and supplied thousands of magnetic separators and metal detectors for use in the aggregate and recycling industry. Once again, Bunting is exhibiting at the 2022 show, helping companies solve metal separation and detection problems from stand C9.

Bunting is one of the world's leading designers and manufacturers of magnetic separators, eddy current separators, metal detectors and electrostatic separators. The Bunting European manufacturing facilities are in Redditch, just outside Birmingham, and Berkhamsted, both in the United Kingdom.

Bunting started exhibiting at Hillhead under the name of 'Master Magnets' in the 1980s. Both Magnetic Separators and Industrial Metal Detectors have evolved since 1982, becoming stronger, lighter and more



efficient. Hillhead 2022 provides the perfect platform to showcase the latest metal separation technology including the ElectroMax and ElectroMax Plus Overband Magnets.

The development of the ElectroMax Overband Magnet followed user requests for stronger and lighter Overband Magnets for mobile plant. As one of the world's largest producers of Permanent Overband Magnets for mobile crushers and screens, companies turned to Bunting to design a light and powerful electromagnetic version. When compared with Permanent Overband Magnets, the air-cooled ElectroMax Overband Magnet has an average increase in magnetic power of 185% matched by a weight reduction of 25%. The ElectroMax-Plus further increases the magnetic power of the ElectroMax by at least another 105%.

Since the magnetic separator's launch, the ElectroMax is proving popular with mobile equipment manufacturers and users, as well as static plant suppliers and operators (i.e., quarries and recycling plants).

Total Metal Separation and Detection Solution

In a quarry or mine, tramp metal causes costly and time-consuming damage to screens, crushers and conveyor belts. At Hillhead, the Bunting team will explain how to prevent such issues by installing suitable magnetic separators and metal detectors.

Bunting's range of Industrial Metal Detectors, including the models



TN77, QDC and QTA, detect and enable the removal of tramp iron and manganese steel (e.g., non-magnetic digger teeth). The Metal Detectors are commonly installed with an Overband Magnet or Pulley Magnet to provide the ultimate tramp metal protection.

Recovering Metal

Overband Magnets are also used to recover ferrous metals from recycled materials (e.g., steel beverage cans). However, since the first Hillhead in 1982, the emergence of the Eddy Current Separator for recovering non-ferrous metals was a defining moment for the recycling industry. The technology is now widely used in plants recycling waste

from households, construction, wood, plastics and many more.

The Bunting range of Eddy Current Separators continues to evolve, enabling the separation of both large and small non-ferrous metals. Many are mounted on mobile plant for batch processing waste stock piles in situ.

"Hillhead has been always been an important exhibition for us," explained Adrian Coleman, the General Manager of Bunting-Redditch. "With many of the exhibitors also being customers, the show provides the perfect platform to meet and discuss projects." www.bunting-redditch.com

Nationwide Metal Recycling and waste management specialist wins Queen's Award for Enterprise in International Trade

The Midlands' largest independent metal recycling and waste management specialist has been honoured with a Queen's Award for Enterprise for International Trade.

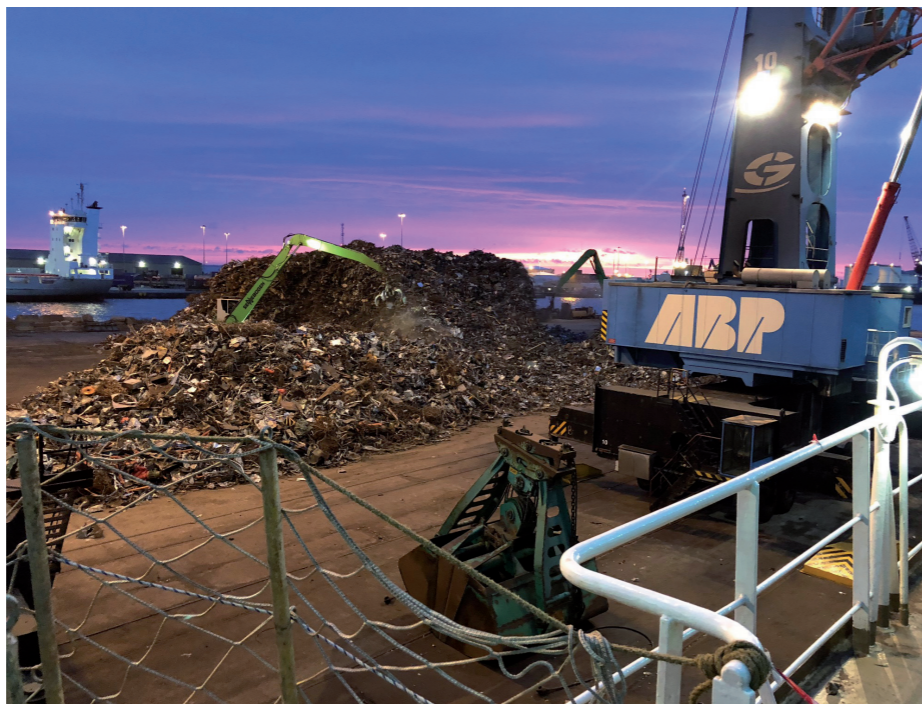
Donald Ward Ltd, trading as Ward, is one of 225 organisations nationally to be recognised with a prestigious Queen's Award for Enterprise. Ward has been recognised for its excellence in International Trade.

Headquartered in Ilkeston, Derbyshire, Donald Ward Limited was incorporated in December 1976, although the business commenced trading circa 1940 at Woodville in Derbyshire. A fourth generation, independently owned family business, Ward now employs close to 400 people across its sites nationwide.

The company collects and processes around a million tonnes of materials annually; recycling products such as metals, plastics, glass, cardboard, wood, textiles, soils, and hardcore to ensure its customers fulfil environmental regulations and commitments.

It aims to divert 100% of the waste it processes from landfill and uses sophisticated metal sorting equipment to extract every last scrap of metal from end-of-life vehicles, as well as other waste electronic and electrical items.

Thomas Ward, Commercial Director at Ward said: "Winning the Queen's Award for Enterprise for International Trade is a huge honour for the Ward team. Our core business, which represents



around 80% of turnover, is the buying, selling, processing and recycling of ferrous and non-ferrous metals from a variety of sources, including end-of-life vehicles and arisings demolition projects.

"Over the three years to March 2019, thanks to significant investment in deep sea dock facilities and ongoing hard work of our dedicated teams, our overseas sales grew by 84%, a growth rate of 36% per annum. We were able to expand our export capabilities to service larger customers in Turkey, Egypt, India and Pakistan."

The company wins the Queen's Award for International Trade for Outstanding Short Term Growth in overseas sales over the last three years.

He continues: "We are planning

sustainable growth with significant future investment into our people, processes, equipment and infrastructure. We are excited about the potential opportunities that winning the Queen's Award could bring to help us achieve our long term ambitions."

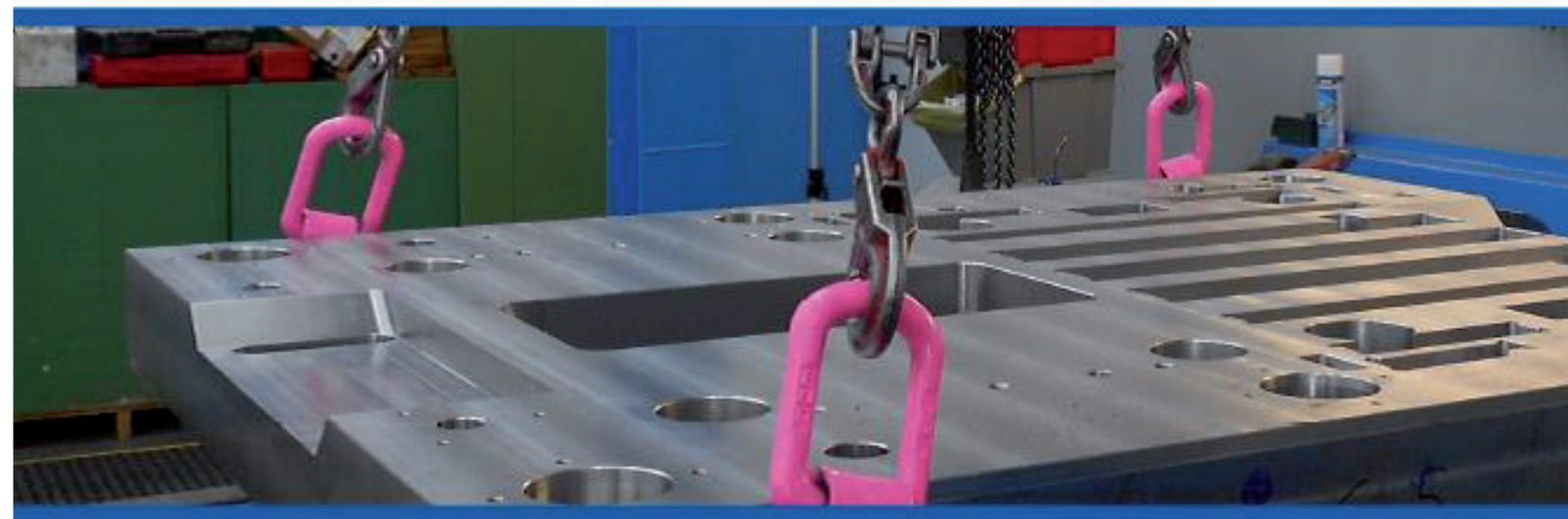
Now in its 56th year, the Queen's Awards for Enterprise are the most prestigious business awards in the country, with winning businesses able to use the esteemed Queen's Awards Emblem for the next five years.

Applications for Queen's Awards for Enterprise 2023 open on the 1st May 2022. For more information, visit <https://www.gov.uk/queens-awards-for-enterprise>.

For more information about Ward's metal recycling and export capabilities, visit: www.ward.com.

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