

APEA Live 2023

AGM, Conference, Exhibition and Awards Dinner



APEA (The Association for Petroleum and Explosives Administration)



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APEA Live - 16th November 2023

By Jamie Thompson, APEA Technical Chairman

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Milton Keynes saw a very busy and productive Elaflex sponsored Exhibition and a Gilbarco Veeder-Root sponsored Awards evening. A big thankyou to all the sponsors and all those attending for making this such a very successful event that is now considered the best UK event to attend for this industry.

Conference

The Conference was hosted by Nikki Dean, Broadcaster and Presenter.

The first presentation was by Jamie Thompson who updated us on the Blue Book revision and explained that the 5th edition guidance should be ready for publication in March 2024. The APEA/EI document would cover some of the changes in fuels but it was expected that Hydrogen and Electric Vehicles at Petrol Stations would continue to be produced separately.

The publication of Energy Retail Station Sites Green Guide by the Energy Institute (available from the EI website) and covers small-scale sites which provide energy to vehicles, ranging from traditional Petrol Stations through to EV charging, hydrogen fuel or mixed energy sources.

Tim Ross, Team Leader of the London Fire Brigade Petroleum Group, followed and explained that the pending Red Guide changes include contactless payment advice.

Risk based advice is also being proposed to include metropolitan and rural areas and an increase in petroleum fees in 2024. Work to begin on national competency framework for petroleum inspectors and the APEA training courses will have input into this.

Gordon Balmer the Executive Director of the Petrol Retailers Association (PRA) then presented an overview of the current "hot topics" concerning PRA members. Pump prices and the continued accusations by the RAC/AA of profiteering by the PRA members need defending.

In the afternoon the **Forecourt State of Nation** session was chaired by Nikki Dean with Katherine Price of Lumina Intelligence, Chris Noice of Association of Convenience Stores Operators and Gordon Balmer.

The main issues they discussed were:

- Drive offs and some solutions
- Costs of installing EV charging
- Use of valuable store parking for EV chargers
- Brexit problems for suppliers
- Thefts from shops

The **Panel on Alternative Liquid Fuels** was again chaired by Nikki Dean with Chris Gould of Fuels Industry UK and Simon Lawford of Crown Oil. The discussion centred around Hydrated Vegetable Oil (HVO) and Synthetic Fuel developments. These fuels burn cleaner and reduce tailpipe emissions but with little support from this Government they are proving more expensive.

The Fuel for Thought Theatre

Driver protection that saves forecourts money, all while increasing shop sales - Luke Jenkins - Grip Hero revolutionises driver protection at the pumps, by overcoming the failings of traditional gloves.

Having surveyed a wide range of EV charging facilities Graeme Warnell, the director of EV-EXBOX, discussed why competent risk assessment is required, what is missing and the inconsistencies within current available guidance and the risk it brings to public safety, fire safety and environmental protection.

Making a Forecourt EV ready by MER - As electric vehicles sales grow forecourt operators are asking 'how can we evolve to take advantage of this new electric era?' Tim Johnson explained there is a place for forecourts in an EV-driven future, and how installing EV charging infrastructure is the key to transforming the traditional fossil fuel forecourt.

John Garnett of Vars Technology discussed the issues faced by forecourts regarding drive offs, retail theft and the newer issues arising from EV charging bays being abused. He talked about the challenges faced and how VARS can solve them using their technology.

Leaking underground sumps on forecourts: issues and solutions Alex Boudry of PFS explained the problems of water-ingress in underground sumps and chambers on forecourts. What are the causes, risks and how his company can provide the solutions.

Robin Fatcher of Commercial Fuel Solutions gave a fascinating insight into the future of commercial refuelling, using hydrogen and after the presentation offered to deal with any questions.

Pre-Dinner Drinks

The pre- dinner drinks sponsored by Dover Fueling Solutions and enjoyed in the Exhibition area where the guests mingled with exhibitors and the awards dinner sponsored by Gilbarco Veeder-Root who were thanked by the APEA Chairman Michael O'Connell who introduced our chosen charity for the night National Safety Centre Alliance. It is with great pleasure that we can announce that £2463.00 was raised towards for the charity from the generosity of all our guests - Thank you all!

Awards Dinner

The awards dinner was soon underway with a record attendance of 680 people who seemed as impressed as I was in seeing the staff feed all these guests in a timely manner with excellent food. The host for the evening was comedian Jason Manford who entered the hall singing Sweet Caroline soon having the audience singing along and then keeping them entertained while he supported the awards evening. The Lifetime Achievement award going to Jan Ageheim who first presented at this conference 34 years ago! Congratulations to all the winners and finalists. A wonderful evening and another demonstration how this industry is rising to the challenges of the future.



Conference and Exhibition sponsored by ELAFLEX Ltd **100years**



Awards Dinner sponsored by Gilbarco Veeder-Root





Health and Safety Performance Award

Sponsored by Suresite Group

Winner - Certas Energy The Hollies, TheStop

The Hollies, TheStop, is well known for being the oldest truck stop in the UK which originally started operating as a truck stop in the 1930's. Certas Energy acquired The Hollies on the 1st of November 2021 with a vision to set an exceptional standard for truck stops. The Hollies is a one-stop-shop designed around the needs and wants of drivers including parking for 230 HGVs, a refuelling station, a hotel, a launderette, a café, a shop, and much more.

The nature of the Fuel and Oil industry poses an elevated risk for health and safety and is a high priority at The Hollies for everyone on site. The site had its challenges with one reason being its age which meant The Hollies required extensive work and development to achieve the high standards desired by the team.

The Hollies, TheStop, has received investment over the past 12 months to help reduce risk and focus on health and safety. The area has seen significant



L to R: Jason Manford, David Weaver and Mike Heaton, Certas Energy, Michael O'Connell, APEA Chairman and Steve Hoban, Suresite



development by installing technology to support safety, whilst placing health first for anyone onsite. Projects that have taken place include the installation of high-security bays and enhanced innovative CCTV with infrared cameras, ANPR, 24/7 on-site security, a full perimeter fence, clearly marked parking bays, lighting with anti-vandal properties, and much more.

Processes and policies have all been reviewed and either created or updated. Investments have been made with team members with online training courses and further development including CPL, first aid and fire training courses. For the hygiene of drivers, several facilities were installed with a self-service launderette, new shower facilities and an air, vacuum, and fragrance machine to help accommodate drivers' wants and needs.

The Truckstop achieved the prestigious accreditation to Park Mark Freight (PMF) in March 2023. PMF accreditation is carried out by Police Crime Prevention and the British Parking Association and is one of the forecourt's most prestigious accreditations with rigorous testing that recognises the highest lorry parking standards, exceptional customer service, and a safe environment for users.

There has been a significant investment in putting health and safety first by Certas Energy to ensure standards are exceeded. The Hollies is a great example of coming together to show the importance of both big and small developments, alongside the day-to-day steps that can be taken to make H&S a priority resulting in zero incidents.

Health and Safety Performance Award Runners up

GripHero - Setting new standards for driver protection, while slashing forecourt spending on legislation compliance

Fuel companies acknowledge the inherent dangers to human health from the highly toxic chemicals in their fuel products. Their Safety Data Sheets state unequivocally the use of gloves whenever dispensing fuel. By using GripHero's revolutionary Anti-Static ATEX-glove system, forecourt operators have been able to fully comply with their fuel handling protocol, static-safety directives, insurance cover and health & safety regulations; by shielding drivers at first contact from the carcinogens, notifiable diseases and chemicals that contaminate fuel nozzles. Furthermore, by simply switching glove provisions to GripHero, forecourts eliminate their glove wastage and site litter, slash operational costs and even increase shop revenue.

Motor Fuel Group (MFG) - Integrated Management System Certification - ISO 9001, ISO 14001 and ISO 45001

In response to the increasing risks associated to the introduction of new technologies and service providers on the forecourt, MFG identified a need to challenge the status quo and develop a management system that brought value to all aspects of its business and enhanced future growth opportunities. An IMS was developed, implemented, and independently certified within a 12-month period, without a single non-conformance being identified throughout the certification process. The system, likely the first to be certified to three ISO Standards, immediately achieved positive and lasting improvements for MFG's forecourt activities, further enhancing agency and customer perception of the industry.

Nupi Industrie Italiane S.p.A. - Achieving ISO 45001:2018 certification for Occupational Health & Safety Management Systems

Nupi Industrie Italiane S.p.A. has demonstrated their unwavering commitment to quality and excellence by implementing and continuously improving their operations. The company has been awarded ISO9001:2015 and ISO14001:2015 as well as ISO45001:2018 for Occupational Health and Safety. This is a globally recognised standard, which signifies the company's dedication to the well-being of employees and risk reduction. With over 400 employees across their factories, Nupi's priority is a safe and healthy work environment. Nupi employs responsible practises, implements rigorous safety standards and constantly improves safety procedures. They prioritise employee consultation, hazard identification and injury prevention. This commitment spans over 50 years with continuous efforts.



Steve Hoban, Suresite Group announcing the Health & Safety Performance award winner, Certas Energy



Adrian Hrivik and Arthur Plumpton, Unicode Systems announcing the Milestone award winner, Geo2 Remediation Ltd

Milestone Award

Sponsored by Unicode Systems

Winner - Geo2 Remediation Ltd Geo2 Remediation - 20 Years in Business

We were delighted to receive the APEA Milestone Award for 2023.

Geo2 Remediation Ltd is proud to celebrate twenty-years in business, going from strength to strength as a leading provider of environmental services to the forecourt industry.

We have a vast amount of experience in the investigation, risk assessment and remediation of forecourts. We work to clean up sites, help to ensure the purchase and redevelopment of forecourts stay on track by providing cost certainty and client confidence, helping to prevent incidents from becoming significant environmental situations.

Founded in 2003 by Mark Swindells, Directors Paul Stapleton and Adam Wilson joined the team within the following two years and between them they are the bedrock of the business.

Geo2 Director Paul Stapleton has led the fuel and forecourt area of the business and is now one of the country's leading specialists in the investigation and remediation of petrol filling stations. Over his



L to R: Jason Manford, Adrian Hrivik, Unicode Systems, Adam Wilson and Paul Stapleton, GEO2 Remediation Ltd, Arthur Plumpton, Unicode Systems and Michael O'Connell, APEA Chairman



twenty-year tenure Paul has worked with an incredible 1800 fueling sites which make up 20% of the overall industry.

"We are now one of the country's leading specialists in the investigation and remediation of petrol filling stations. We understand the unique needs and complexities of forecourt development, where every inch above ground is valuable retail space and every inch below ground hides a dense network of vital infrastructure. This knowledge has seen us become a trusted advisor for independents, forecourt groups and nationwide chains, navigating environmental risk, legislation and planning red tape", Paul Stapleton, Geo2 Director.

A people focused company, one of our proudest achievements is our team of project managers and engineers. Many of the team

have been with us for over a decade, demonstrating our commitment to our people, ensuring that all our team really understand the nuts and bolts of our specialism. Over the twenty-year period we have picked up numerous awards which we believe is testament to the quality and innovation of what we deliver, including a Ground Engineering Sustainability Award and five Brownfield Awards. In November 2023 alone we have won a Brownfield Award for 'Best International Project' and this APEA award for our 20 year 'milestone'.

Not resting on our laurels, we are kicking off our twenty first year in business with huge growth plans.

We encourage people to check back with us in the new year when we will announce more detail about this exciting new venture.

Milestone Award Runners up

Highly Commended

PFS Fueltec Ltd - PFS Fueltec Ltd - supplying the forecourt and tanker industry for 30 years!

PFS Fueltec: 30 Years Supplying Forecourt and Tanker Industry! From small beginnings, we've grown into a multi-million-pound distribution force, delivering fuel system and road-tanker equipment across the UK and Ireland. In the last year alone, we've provided over 110,000 product units. With unwavering dedication to excellence, our products span petrol stations, data centers, and auto factories. Our one-stop-shop, expert guidance, and swift delivery empower customers. Shortlisted for the Milestone Award, we signify not just our past but a lasting commitment to the industry's future.

Dover Fueling Solutions (DFS) - Evolve Fuel Retail Business with Prizma

In 1993, Tokheim Fuel POS (now known as Prizma) was created – a system specifically built for optimally managing fuel transactions. Over time, the emphasis on monitoring shifted from fuel to include convenience retail (including e-vouchers, food corners, car washes, loyalty programs, etc), and Prizma evolved to support the monitoring of these additional assets. Today, Prizma is the industry standard for POS solutions and there are: 806M+ transactions from 27 countries processed by Tokheim OASE (part of the Prizma eco-system); 42,000+ Tokheim Crypto™ OPT (Outdoor Payment Terminals) installed and connected to Prizma; 20,000 Prizma installations across 73 countries.

Dover Fueling Solutions (DFS) - Tokheim OASE™ - Smart, Faster, Payment

2023 marks the 20th anniversary for Tokheim OASE™ (Online Authorisation and Switching Environment) – DFS' secure payment gateway. In conjunction with celebrating 20 years in the fuel retail and convenience industry, Tokheim OASE has processed over 806 million card payment transactions from 18,000 fuel retail sites in 31 different countries! Originally, Tokheim OASE was designed and operated for a European installed base; however, in 2023 Tokheim OASE started processing transactions in North America and Africa – something incredibly unique and significant in the industry.

Envevo - Envevo - forecourt ICP works at 150 sites

Envevo has completed 150 forecourt ICP projects, bringing power to each of these sites. This is unparalleled in the industry, with Envevo at the forefront of forecourt EV transition. Envevo is a design and build contractor based in the UK with extensive experience assisting clients with the transition to EV charging. Specialising in grid connection with clients such as BP, Shell, and MFG, they use their knowledge of earthing systems, civil engineering, and electrical systems to provide solutions. This milestone demonstrates the fantastic progress being made by UK forecourt operators and Envevo in assisting the transition to net zero.

Franklin Electric Fueling Systems - Over 30 years a world leader in double walled multilayer flexible pipe systems

At Franklin Fueling Systems it starts with you! The marketer, the distributor, the installer, the consumer. Everything we do focuses on providing you with the total system solution. We design the most innovative products; we manufacture to the highest quality standards delivering industry leading availability. Once the product ships we are just getting started, we are there every step of the way. We provide expert training; we offer tools and support to optimise installations. All delivered with the outmost attention to safety and environmental security.

Petroassist UK Limited - E5 Protection Grade Retrofit

Legislation requiring fuel suppliers and retailers to introduce E10 petrol in the standard 95-octane petrol grade was phased in on 1st September 2021. 'Super' grades were to remain E5 with the intention of providing protection for owners of older vehicles. Petroassist UK Limited have developed and provided cost effective solutions to successfully help our customers to retrospectively install or reinstate E5 on over fifty Petrol Filling Stations this year, helping to keep 700,000+ consumers still running E10 non-compatible cars on the road.

Suresite Group - Suresite's NEW unattended payments solution

In Q1 2023 a decision was made to extend our payment services beyond just the petrol shop and pumps and enable our offering to be used for all payment types on forecourts. The team worked hard to develop unattended solutions enabling customers to take payment for Car/Jet Wash, Air/Vac, vending, pay@pump and pay in App. Testing completed successfully by June, now reaching a milestone of more than 1,500 devices live in the market with a full pipeline of more to come. Our service allows customers to receive cash in their bank from 24hrs, monitor assets, view sales and manage stock.

Environmental Protection and Sustainability Award

Sponsored by Titan Cloud

Winner - Rontec Energy Saving & CO2 Reduction Initiative



L to R: Jason Manford, Parsya Amin and Matthew Brady, Rontec, Morten Raaby, Titan Cloud and Michael O'Connell, APEA Chairman

With over 50 years of experience, growth, and exceptional performance, Rontec has forged a market-leading reputation in roadside retailing. In an industry that is continually evolving, our commitment to innovation is demonstrated through strategic partnerships with major brands, including Esso, BP, Shell, Morrisons, Costa, Subway, and Greggs, among others. This collaboration allows us to offer highly targeted promotions across all our sites.

At Rontec, prioritising sustainability is integral to our ethos. Our network of petrol filling stations actively contributes to national sustainability initiatives, reinforcing our standing as an environmentally responsible organisation. The reduction in electricity consumption not only yields substantial cost savings but also enhances operational efficiency and profitability. Simultaneously, minimising CO2 emissions aligns with stringent regulations and reduces our environmental impact.

In our ongoing efforts, we thoroughly reviewed operational parameters, focusing on key sales categories. This data-driven approach ensures that our strategy is not only ecologically responsible but also practical from a business standpoint. Notably, Rontec has implemented pivotal measures over the past seven years,

showcasing a long-term commitment to sustainability. The current phase represents an opportunity to upgrade infrastructure in alignment with evolving environmental goals.

Anticipated benefits include a significant reduction in overall electrical consumption, translating into substantial cost savings. Equally important is the notable reduction in our company's CO2 footprint, reinforcing our commitment to sustainability. These benefits underscore our dedication to achieving both economic and ecological goals, positioning us as a responsible and forward-thinking organisation.

Rontec's initiatives encompass enhancing lighting infrastructure, optimising refrigeration output, and considered use of bakery equipment. The project involved replacing all retail area lighting with next-generation LED solutions and implementing control measures for catering appliances, refrigeration, and air conditioning units, resulting in an average consumption reduction exceeding 10%.

Additionally, strides in doored refrigeration involved replacing existing units with more efficient remote doored cases, yielding a remarkable 20% reduction in energy consumption. These initiatives exemplify Rontec's commitment to sustainability and responsible resource management, showcasing our dedication to both



environmental stewardship and operational efficiency. It is imperative to extend our acknowledgment to the extensive network of Rontec's suppliers and contractors, whose invaluable contributions were indispensable in the successful execution of this project, in particular; Acme Facilities Group, Clearworld, and Glamox Luxonic. Their unwavering support and collaboration made this achievement possible.

To date, Rontec has successfully installed new refrigeration in over 100 sites, and following a comprehensive analysis, a full-scale energy-saving rollout completed Nov-2023.

Environmental Protection and Sustainability Award Runners up

Eurotank Service Group - Launch of an interceptor and drainage cleaning division

Eurotank has raised the standard of interceptor and drainage cleaning to better protect local environments and watercourses following a £1.2m investment in high specification Rolba ADR tankers. The tankers, along with rigorous processes, ensure a thorough clean to reduce the risk of flooding and environmental contamination. ADR specification is essential for handling potentially flammable liquids, including possible ethanol mixed into interceptor waters, and the 16,000-litre barrel allows us to uplift the contents as well as store the waste removed. A water storage tank and low-volume jetter allows us to efficiently clean the drainage channels.

GW Environmental Consulting Ltd - EV-EXBOX Solutions

As society transitions to clean energy the EV-EXBOX Team recognised that the new risks EV's bring in terms of fire, public and environmental safety were being ignored. To help a wide range of industries manage these risks the EV-EXBOX Team bring together: Hazard awareness training for EV's and LiBess systems
Comprehensive site risk assessment for existing and planned EV installations
Solutions to aid the suppression of fire and control contaminated fire water within the site boundary.

Nupi Industrie Italiane S.p.A. - Nupi adds photovoltaic system to its 3rd factory and reached total of 2MW power in 2023

Nupi Industrie Italiane S.p.A. has shown their unwavering commitment to sustainability and environmental stewardship by significantly expanding its investment in photovoltaic systems, with 2MW of power produced in 2023 alone, thanks to solar panels installed on the roofs of their factories. This move has led to substantial energy savings and a remarkable reduction of over 250 tons of CO2 emissions annually, with expectations of doubling these savings in the coming year. Nupi's efforts align with the global focus on sustainable development and climate change, exemplifying their dedication to reducing their environmental impact and fostering carbon neutrality through various eco-friendly practises and technologies.

Swan Civil Engineering - Total Protect

Total protect is a multifaceted system designed to safeguard fuel storage facilities. The system works by integrating various sensors and safeguarding systems on site to a control system. The system is able to monitor boreholes for contamination, drainage for escape of oils/pollutants and tank sumps for presence of explosive gasses. Automated drainage valves are also integrated to the system so immediate action can be taken in the event of a loss of containment. The system is able to monitor these areas in real-time ensuring pollution events are halted or reported immediately.



Morten Raaby, Titan Cloud announcing the Environmental Protection and Sustainability award winner, Rontec



John Garnett, VARS Technology Ltd announcing the Best New Forecourt award winner, C+A Design, Ascona Group and Toureen Group

Best New Forecourt Award

Sponsored by VARS Technology Ltd

Winner - C+A Design, Ascona Group and Toureen Group for Machynlleth Service Station

Machynlleth Service Station, in Powys, Wales, underwent a £3 million transformation earlier this year, under the ownership of Ascona Group. As the Architectural Design practice behind the redevelopment, C+A Design played a pivotal role in reshaping a tired old site into a thriving service station, and also provided planning consultancy, project management, Principal Designer and contract administration services. Serving as the main and Principal Contractors were Toureen, responsible for coordinating various contractor-designed elements, including civil and structural engineering.

The redevelopment addressed the unique needs of the Machynlleth community, especially significant because the service station is the only provider of fuel in Machynlleth and has one of the largest grocery offers in the town. C+A Design's innovative two-storey design expanded the sales floor to 2,800 square feet, accommodating a Starbucks counter, hot food offerings, indoor seating, self-service tills, and customer toilets. The exterior of the building is accented with large natural stone panels, grounding it in the locality.

The forecourt received a comprehensive upgrade, including convenient customer parking, new tanks and six petrol pumps (two more than before) with four fuel grades at each pump. Innovations included an ad blue pump, a dedicated fuel pump for kerosene, and modern carwash facilities.

Many substantial challenges were faced in the design



L to R: Jason Manford, Chris Cornelius, Toureen Group, Adam Slade, C + A Design, Ian Richards, Ascona Group, John Garnett, Vars Technology and Michael O'Connell, APEA Chairman

and construction of this site, including flood risk and high groundwater with approval also needed from the local SuDS Approving Body (SAB). Works included the diversion of a culverted stream below the site. Issues with hydrocarbon contamination, Japanese knotweed and asbestos were overcome. With the main Mid-Wales rail line directly adjacent to the site, a Basic Asset Protection Agreement had to be negotiated with Network Rail. Due to the poor ground conditions, both the shop and canopy required piled foundations, which had to be designed to avoid zone of influence of the rail tracks, which required detailed co-ordination between Network Rail and Dudleys Consulting Engineers.

Since Machynlleth Service Station reopened for trading in August it has



exceeded all trading expectations and is already a huge success within the community. C+A Design is proud to have delivered a site that goes beyond providing amenities but is a cornerstone for the community. This comprehensive redevelopment stands as a testament to the transformative power of thoughtful architectural design and community-centric planning. This, coupled with the collaborative efforts of Toureen and Ascona Group, has transformed this space into an innovative and community-focused hub.

Best New Forecourt Award Runners up

Henderson Group Property - Route Service Station, Ballymoney, Northern Ireland

The new build SPAR at Route service station in Ballymoney, Northern Ireland, opened to the public in December 2022. Within the project investment of £2.7m the design approach was to sensitively expand the existing site, to create a modern and innovative retail facility with newly upgraded petrol fuel station. The project was successfully completed on time over a 9-month construction period. The project was complex and involved constructing the new retail building on a live site with phased demolition works to create the new spacious fuel forecourt with new below ground fuel tanks, forecourt canopy, and fuel pump dispensers.

Penny Petroleum + Steve Williams Construction - Newland Service Station

Newlands project modernising a legacy site into a contemporary forecourt that would not only attract customers but maintain the trust associated with a well-known brand. Bringing the site up to date, upgrading fuel systems, Adblue installation, above-ground tanks complying with safety and environmental standards. On completion, Newlands achieved significant increase in fuel sales, raising weekly sales from 15,000 litres to over 85,000 litres. Remarkable success indicates the efforts not only met their objectives but also surpassed expectations. This exemplifies how strategic modernisation, expansion efforts, combined with a commitment to environmental aesthetics, can yield impressive results in the forecourt industry.

The Jordon Group - Swan Forecourt - Mirfield, West Yorkshire

Swan Forecourt is a new to industry site with a plot size of 0.73 acres. Situated in a Retail Destination Hub in Mirfield, West Yorkshire, the site features a 3,000 square foot Nisa Convenience Store, comprising of 3 X 1,000 square foot retail units which offer a complete range of convenience and food-to-go options. This was an extensive project which saw a former pub and a house converted into a fully equipped petrol forecourt, complete with BP fuel grades, EV charging points, valeting, 30+ parking spaces, customer rest rooms, and the creation of new opportunities for the local community.

The Kay Group (UK) Ltd - Winsford Gateway Service Station

The Kay Group Winsford site is strategically located at the Northern Gateway roundabout into the prestigious Road One Industrial Estate, over 2 kilometres long with over 5,500 employees. The development and layout provide the latest Kay Group Petrol Station footprint with HGV, EV and Adblue pumps, a jet wash centre with a state of the art convenience store, stunning toilet facilities to support our retail fuel offer with instore retailing partners Greggs, Subway, Tango Ice Blast and Costa Express to service the Estate, local outlying areas including Wharton and transient traffic from the M6.

Wyeth Projects Services Ltd - MFG Thirsk NTI

Thirsk Service Station is a new to industry development situated southeast of Thirsk's town centre and opened in May 2023. The plot of land was largely greenfield, but housed a small bungalow and outbuildings, which were demolished. The site now consists of a petrol filling station with ancillary shop containing a Greggs food to go concession. The wider site consists of EV charging bays, jet wash bays, solar PV system, a dedicated HGV parking facility with 32 parking spaces and a shower block. A new access road was constructed around the site as part of the development works.

Innovation Award

Sponsored by Steve Williams Construction West Midlands Ltd

Winner - GW Environmental Consulting Ltd EV-EXBOX Solutions

Having completed over 100 surveys within open air car parks, multi storey carparks, basement car parks, fleet depots, bus depots, EV hubs and EV installations on petrol forecourts the EV-EXBOX team has identified that a number of key risks are not being competently covered in any form of risk assessment.

These risks include the spread of fire on site and beyond the site boundary, the management of contaminated firewater, vapour cloud explosions and emergency response plans for public safety.

The lack of regulation, best practise industry guidance and a general understanding of how these risks present themselves can make it difficult for many EV operators or designers to manage these risks out in the design phase.

With our extensive experience in managing risk and undertaking risk assessment the EV-EXBOX team is able to help clients to understand the longer-term risks and challenges that installing EV infrastructure brings in terms of public safety, fire safety and environmental protection.



L to R: Jason Manford, Graeme Warnell, GW Environmental Consulting Ltd and EV-EXBOX Solutions, Steve Williams from Steve Williams Construction West Midlands Ltd and Michael O'Connell, APEA Chairman



Proper risk assessment does not prevent you from rolling out EV infrastructure, it just enables you to do it responsibly.

Luckily the current rate of EV fires is low, but their impact is high in terms of public safety and potential environmental pollution. As we progress towards mass adoption of EV's, and the vehicles and associated infrastructure get older we know the incidence of EV fires will inevitably increase.

A vehicle battery in thermal runaway can result in a fire, explosion, or release of toxic fumes. If there is a serious incident on one of your sites the first document you will be asked to provide to either the Health and Safety Executive, Fire Services or Environment Agency will be a competent risk assessment document. You will need to demonstrate that you acknowledged the risks, understood the risks and did everything reasonably practicable to mitigate the risks associated with the installation of EV charging and

associated infrastructure on your site. The EV-EXBOX Team has been able to help clients manage risks on both new EV installations and retrospectively to existing EV charging infrastructure. We typically find that our risk mitigation solutions are a fraction of the overall project value associated with a typical EV installation.

For more information, please reach out to Graeme Warnell at the EV-EXBOX Team, whose work so far has been recognised as best in class for innovation in the 2023 APEA Innovation award category.



Innovation Award Runners up

ASIS + Petrol Ofisi - FUELEYE

FuelEye is an innovative AI system that revolutionises fuel station operations. Equipped with advanced image processing and deep learning technology, FuelEye achieves an impressive 99% accuracy rate in identifying vehicles based on their model, colour, type, and licence plate. Unlike traditional vehicle identification systems, FuelEye seamlessly integrates with existing automation software, eliminating the need for costly hardware installations such as tank-nozzle antennas, and wiring. Its real-time monitoring capabilities prevent fuel dispensing errors and unauthorised access, while also enabling personnel tracking for improved station management and security. FuelEye is the cornerstone of future-ready, efficient, and secure fuel station management.

Certas Energy - FuelTapp

Certas Energy has developed the UK's first digital fuel card FuelTapp. There has been a recognised need in the industry for many years to combat fuel card crime and fraud which was the inspiration to creating FuelTapp. Eliminating any need for a physical fuel card, drivers use the smartphone application that operates with low-frequency Bluetooth. To further reduce crime and fraud FuelTapp also generates a new PIN code every 30 seconds, preventing the PIN from being copied for further transactions. FuelTapp also enables businesses to use a portal to manage all fuel card functions in one central location.

Dover Fueling Solutions (DFS) - DFS Fusion Prizma and DX Power™

As a modular and open cloud-based platform, DX Power™ can interface with any EV charger and Charge Point Operator (CPO) to provide a frictionless customer journey. This solution seamlessly bridges the gap between EV chargers and the remaining forecourt system, helping streamline retail sites as they transition to supporting a new way of powering vehicles. DFS Fusion Prizma is a trailblazing automation server, specifically developed for the Middle East and Africa regions, that combines our industry leading DFS forecourt controller ("FCC") and point-of-sale ("POS") system to provide seamless connectivity between forecourt equipment.

ELAFLEX - ZV SW Nozzle - for refilling of screen water from a dispenser - for ADAS

ELAFLEX specialises in ZVA nozzles, specialty hoses, couplings, hose reels, and rubber bellows. Our new ZV SW non-automatic nozzle facilitates eco-friendly refilling of screen wash liquid for ADAS in autonomous vehicles, ensuring clean sensing lenses and minimising plastic waste and spills. For over a century, Elaflex has been a global leader in gas and liquid handling. With a legacy as a family business, we prioritise sustainable, impactful contributions to evolving mobility. We offer technical solutions for handling alternative and renewable fuels such as H2, LPG, CNG, LNG, rDME and Petrol blends with Ethanol or Methanol.

Energia Customer Solutions Ltd - Connect 360

Energia aims to support and assist our customers by providing guidance and technology to enable them to change to a more energy efficient and sustainable way of operating. Connect360 is a real-time, data-driven energy and environmental monitoring solution that enables businesses to measure a variety of operational activities to optimise energy usage and environmental conditions. The data provided assists in a variety of areas, the most important of which is locating the source of the wasteful/unnecessary consumption.

Henderson Technology - EDGEPoS

Henderson Technology has been supplying EPoS since 1994, with nearly 1000 stores using its system across the world from GB to Australia. Henderson Technology truly is a local company enjoying global success. One site which epitomises this is SPAR Mallusk - where self-serve food-to-go kiosks have been installed, alongside the first-ever Barista Bar Coffee Drive-Thru. Food-to-go can also be ordered online via the Savvy Shopper App. The site also includes Glory's Cash-Management solution, Self-Scan Checkouts, and Electronic SELs. The team at Henderson Technology has always been key to us delivering the latest ideas in retail technology.

VARS Technology - VARS Forecourt Tools and EV Parking Solution

Building on the already successful forecourt protection system that reduces drive offs and recovers stolen fuel money, VARS technology have added a suite of free to use forecourt tools for retailers. This includes site signing in and out form, temperature records for fridges and hot food, age refusal register, site checklists and more. These save you money on paper and keeps digital, time stamped records securely stored in your VARS portal. At the same time VARS have developed a fully working system for managing EV charging bays and able to fine anyone parking in the bays instead of charging.

Visive Group Ltd - V-Connect smart monitoring and control

Lighting the way in saving energy through smart control. V-Connect system is an online management system for LED brand signage, providing remote access, monitoring and notification services. Improve and optimise how you use your LED brand signage resulting in significant energy savings while helping the environment and boosting profits. The V-Connect smart scheduling function optimises energy consumption. Conventional LED signage installations have a set brightness, meaning they are either on or off risking energy being used unnecessarily. The V-Connect automated notification function also contributes to energy optimisation with the Smart CSC sensors constantly ensuring the health of your installation.



Steve Williams from Steve Williams Construction West Midlands Ltd announcing the Innovation award winner, GW Environmental Consulting Ltd



Michael Kennedy, Envevo announcing the Best New Fuel Installation Non-Retail award winner, Octane Holding Group Ltd for Thorpe Camp MTFI



Anton Martiniussen, ELAFLEX announcing the winner of the Lifetime Achievement award winner, Jan Ageheim



Robin Futcher, Commercial Fuel Solutions Limited announcing the Rising Star award winner, Victoria Pitcher

Best New Fuel Installation Non-Retail Award

Sponsored by Envevo

Winner - Octane Holding Group Ltd for Thorpe Camp MTFI

Octane Holding Group Ltd are humbled, overwhelmed, and thrilled to have won the prestigious APEA best new fuel installation (non-retail) award at the APEA Live 2023. Winning this award is a true testament to the collaborative dedication and innovation within the Octane team and is a culmination of months of hard work from tender award to commissioning.

This project was a redevelopment of the existing mechanical transport fuelling installation (MTFI) in a remote location, just off Thorpe and Wretham MOD training facilities. The existing MTFI required major redevelopment and upgrade to bring the facility up to the best current UK and DIO/MOD standards. The significant increase in footprint makes this installation the largest MTFI across the portfolio of training facilities managed by Landmarc Support Services Ltd. With over 4300m2 of new concrete surface area, a vast drainage network underground, new fuelling lanes and dedicated wash bays, this facility has been purposely designed for fuelling up to eighteen multi type vehicles in quick succession. To give you an idea of the size of the site, it is surrounded by over 350 metres of perimeter fencing and 3 automatic gates to allow for safe access and egress. It was our pleasure to provide the Ministry of Defence with an efficient and modern fuelling facility that will operate long into the future.

We would like to say a huge thankyou to our team here at Octane who drew on a vast wealth of experience, all within our own business throughout this project. The benefits of our group having Octane Draincare, Octane Construction and Octane Holding Group proved invaluable.

In addition, everyone involved at Landmarc Support



L to R: Jason Manford, John Wilson, Rob Parsons, Tom Burns, Tim Lancaster and Sam Parr, Octane Holding Group, Michael Kennedy, Envevo and Michael O'Connell, APEA Chairman

Services Ltd, without the professional and positive business relationship we established, the project could not have run as positively as it did. Octane would also like to thank everyone at the APEA for this recognition and for hosting a great event.

Year after year Octane Holding Group goes from strength to strength in providing a portfolio of infrastructure, construction, drainage, and refuelling services and with an eye for the future, we also offer vehicle charging and hydrogen solutions.

Thank you to everyone involved once again, we look forward to working with all our existing and new customers in the future.



Best New Fuel Installation Non-Retail Award Runners up

Fast Fuel Services Ltd - Aldi Distribution New Fuel Island

The ALDI RDC Chelmsford project began with a thorough assessment of client needs and the site's conditions. With ageing underground storage tanks, it was clear that a larger aboveground tank for diesel and Adblue, along with additional fuel dispensers, was essential for future growth. To ensure uninterrupted operations, the project was split into two phases. The design aimed to minimise the carbon footprint, boost operational efficiency, and prioritise safety. Key elements included replacing block paving with durable concrete, Aco drainage, double-contained pipework featuring SGB leak detection, more Adblue dispensers, enhanced lighting, and the installation of a new 115,000-litre tank farm.

Fuel Storage Systems - Aberdeenshire Council Schools - Fuel System Upgrade Project

Aberdeenshire Council rolled out an upgrade project to look after fuel delivery and storage within 40+ schools across Aberdeenshire. Some sites needed new tanks, pipework, leak detection, fill point cabinets, and digital gauges. OLE's C2020 gauging system was specified due to its ease of use and accuracy. To date, we have installed 62 C2020 Master/Mirror Gauges. SGB's VLR Leak Detection Systems were fitted at 22 locations, 8 Landon Kingsway Fill Point Cabinets were mounted and over 1,500 meters of secondary contained pipework was installed as well as six new bunded tanks.

Vectec Ltd + Fuel Storage Systems Ltd - Warrington Bus - Fuel System and Workshop Oil Installation

A two phase installation involving Re-Fuelling and Workshop Oil.

An 80,000litre diesel tank and a 15,000litre Adblue tank incorporating Franklin's EVO high accuracy gauging system. Hytek Alpha Diesel and Adblue dispensers were supplied including integrated Triscan Fuel Management. The Workshop Oil phase consisted of a multi-compartment, 20,000litre tank. Two product dispensing frames, over 300 metres of 1" threaded steel pipework was fitted through the roof of the workshop. Oil is pumped through tank-mounted air pumps, maintaining a pressure of more than 25 Bar throughout the line.

West Fuel Systems Ltd - Jet A1 Fuel System

West Fuel Systems Limited were tasked with providing our clients, Loughborough University, Rolls Royce University Technology Centre, National Centre for Combustion & Aero Thermal Technology (NCCAT) with the Design & Build of an automated Jet A1 fuel system. This consisted of a new above ground split compartment Jet A1 fuel storage tank with a gravity fill system inclusive of a duplex pump set & filters, stainless steel pipework, OLE Z5020 tank gauging with alarms, electrical and controls for the automated fuel system.



Rising Star Award

Sponsored by Commercial Fuel Solutions Limited

Winner - Victoria Pitcher from Motor Fuel Group (MFG)

Vicki joined MFG in 2016 as an Operations Support Assistant where she gained her initial experience of the petroleum retailing industry by supporting the Retail Operations Team in all aspects of their role. Vicki proved to be extremely popular with the team due to her natural inquisitiveness, helpfulness, positive attitude and resourcefulness.

Vicki's self-motivation and desire to broaden her knowledge of the forecourt industry saw her quickly promoted to the role of Infrastructure Assistant, where she was responsible for supporting and coordinating the maintenance activities for fuel, shop, and valeting equipment across the network, and the management of petroleum storage certificates and environmental permits, including liaising with regulatory authorities. While excelling in her new role, Vicki also developed an awareness of the health and safety needs of those assigned to perform maintenance activities and decided to obtain safety qualifications to further expand her knowledge and abilities, making meaningful contributions improving safety performance at Company sites.



L to R: Jason Manford, Robin Fletcher, Commercial Fuel Solutions Limited, Victoria Pitcher and Michael O'Connell, APEA Chairman

Vicki approached the attainment of her safety qualifications in a fashion aligned to her work ethic. Showing great drive and purpose she achieved



her qualifications while continuing to meet her workplace duties in a proactive and impressive manner. The knowledge and experience gained regarding workplace practices linked to her newly acquired safety qualifications provided her an appreciation of the challenges faced by MFG with regards to health and safety on ever evolving forecourts operations. MFG have grown significantly, and by 2022 the need to increase HSE Team became evident to ensure continued safe growth and development. Vicki was promoted into the role of HSE Advisor; a role that allowed her to fully demonstrate the benefits of hard work and determination.

Of particular significance in terms of her personal development, Vicki has been willing to take responsibility and accountability for her contributions, is not intimidated by the "I've been doing it this way for 30 years" response to legitimate questions, and most importantly is a 'sponge' for information. She has continually sought to expand her knowledge in all aspects of her new role and has proactively requested opportunities to spend time with the operations and infrastructure field teams to fully understand their day-to-day issues from a H&S perspective. Her willingness to listen, analyse and reach workable solutions made her a critical asset in the attainment of ISO Certification in late 2022, and an outstanding contributor to overall HSE performance.

Rising Star Runners up

Aparna Yadav from Bp pulse

Aparna started her career in Mumbai, India, as an intern for Larsen & Turbo, followed by design engineer for Thames water and lead on a power system project at KBR. She joined bp pulse in October 2021 as one of the only electrical engineers in the UK at the time, after completion of a Masters in project management. She rapidly became the point of reference within her team for forecourt installation and has already enabled the installation on over 154 sites. Aparna's work ethics and pragmatism have placed her as a core contributor to her department's success.

Josh Brocklehurst from Eurotank Service Group

Josh has showcased remarkable growth and versatility in just 18 months, and his eagerness to embrace new challenges is commendable. Everyone in the business loves working with him, and the managers all want him in their teams. What sets Josh apart is not only his technical prowess but also his infectious positivity and enthusiasm. His passion shines through as he shares his daily experiences with colleagues, making it evident that this isn't just a job for him. Josh's connection to the downstream petroleum industry runs deep, with four generations of his family involved in various aspects of the industry.

McKenzie Dalzell from Envevo

McKenzie has demonstrated unparalleled technical knowledge since joining Envevo in 2020, swiftly rising to the position of Estimating Manager. McKenzie ensures his team of 12 deliver a large volume of quotes while maintaining margins and success rates that meet our high standards. With his expertise, McKenzie has overseen the installation of 90 HV Hubs on forecourts. His extensive experience provides clients with specialist support, making him instrumental in the rapid expansion and success of Envevo. His role is critical in advancing projects forward to construction, and we are fortunate to have him as a vital member of our team.

Rory Browne from MBH Design Studio Ltd

MBH Design Studio are a market leading multi-disciplinary Design, Project Management and Cost Management Consultancy working in the roadside development and EV sector. Rory joined the business at 18 as a Trainee CAD Technician and at 22 is now EV Design Lead. He has overseen the development of the training and coaching of our CAD teams in South Africa and India which has grown four-fold. He has driven consistency and excellence of design on EV projects to demanding timescales. He has become invaluable to our key customers in delivering their EV Infrastructure roll out programmes.

Lifetime Achievement Award

Sponsored by ELAFLEX Ltd

Winner - Jan Ageheim



L to R: Jason Manford, Jan Ageheim, Anton Martinussen, Elaflex and Michael O'Connell, APEA Chairman



Jan's impact on the petroleum industry is immeasurable. His pioneering work revolutionised the use of plastic pipes for underground fuel transfer at petrol filling stations. Recognising the limitations of traditional steel pipes, he embarked on a mission to find an alternative. In 1969, at just 26 years old, Jan boldly approached the Swedish "Fire & Explosion Authority" with a proposal to replace steel pipes with flexible plastic alternatives. Initially met with scepticism, his unwavering determination paid

off a decade later, securing the first trial site in Sweden in May 1981.

Jan's visionary thinking was matched by his dedication to global impact. He trained local installers, navigated approvals, and made the system a global standard.

Today, the world widely employs plastic pipework, a testament to



Jan's remarkable contribution. His legacy as the "father of Fuel Pipe" extends beyond a product; it's a tribute to his vision and hard work, transforming the global industry.

APEA AGM (report in December Bulletin)



Michael O'Connell, incoming APEA Chairman and outgoing Chairman, Doreen Pooley

Gareth Bourhill presenting the Treasurer's report at the AGM

Brian Humm presenting the Editor's report at the AGM

Jamie Thompson presenting the Honorary Secretary report at the AGM



APEA Council

Conference & Exhibition

Sponsored by ELAFLEX Ltd



Conference Chair
Nikki Dean,
Broadcaster,
Conference Host and
Presenter



Gordon Balmer,
Executive
Director, Petrol
Retailers
Association (PRA)



Jamie Thompson, Chair, European
CEN Standards Committee on Petrol
Station Equipment



Tim Ross, Petroleum and Primary
Authority Business Group Team
Leader, London Fire Brigade



First panel session:
Hosted by Nikki Dean
L to R

Chris Noice,
Communications Director,
Association of Convenience
Stores (ACS)

Katherine Prowse, Senior
Insight Manager, Lumina
Intelligence

Gordon Balmer, Executive
Director, Petrol Retailers
Association (PRA)



Second Panel Session:
Hosted by Nikki Dean
L to R

Chris Gould, Energy
Transition Lead, Fuels
Industry UK

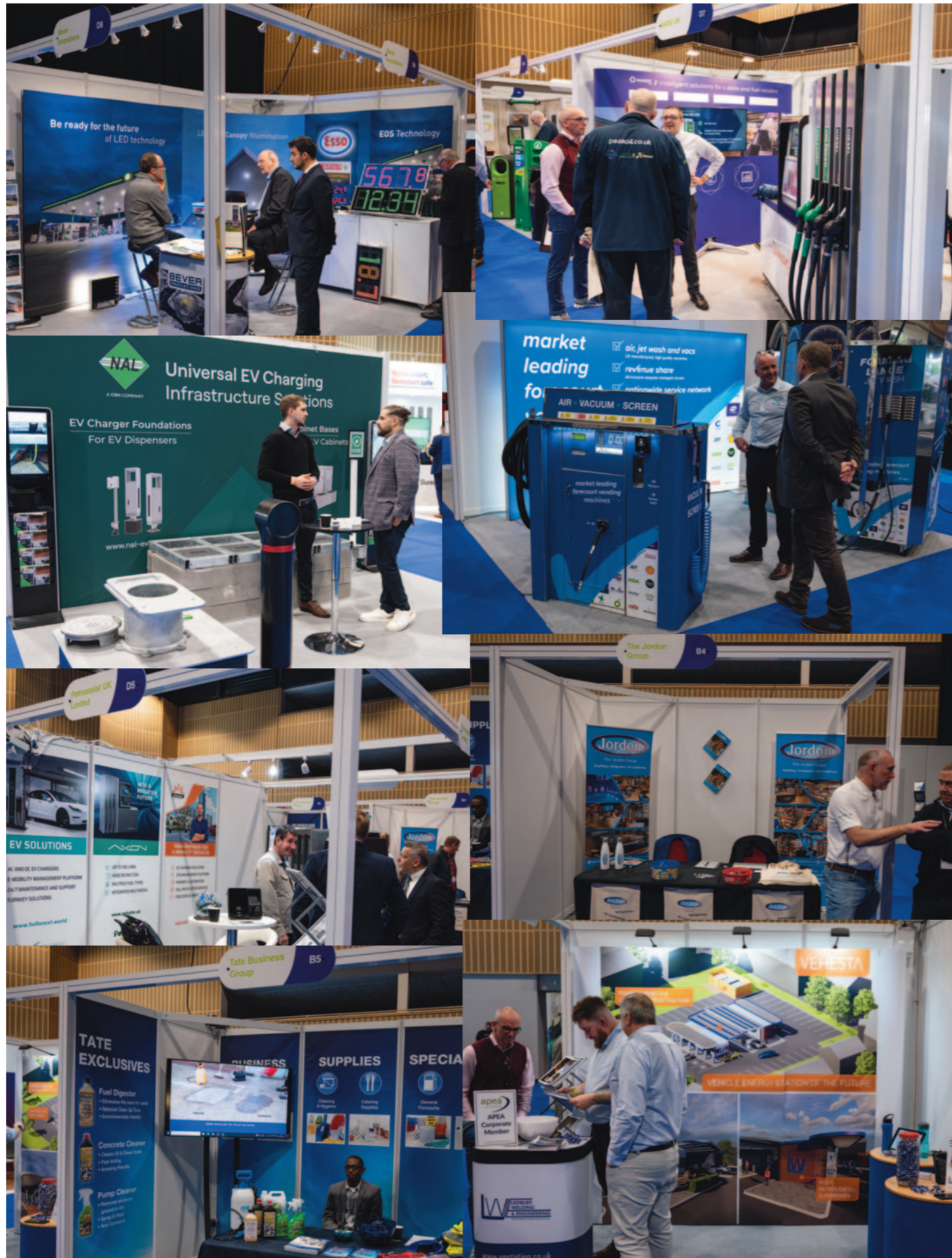
Simon Lawford
Technical Sales and
Renewable Fuels
Manager, Crown Oil











Pre Dinner Drinks

Sponsored by Dover Fueling Solutions





Awards Dinner

Sponsored by Gilbarco Veeder-Root



GILBARCO VEEDER-ROOT

Awards
Dinner host
Jason
Manford



Alex Boudry
APEA
Events
Committee
Chairman



Michael
O'Connell
APEA
Chairman



Anthony
Norris
Gilbarco
Veeder-Root





Maya Joseph-Hussain from The Safety Centre (2023 charity)





Winners of the Milestone Award, Geo2 Remediation Ltd



Winners of the Best New Forecourt Award, C+A Design, Ascona Group and Toureen Group



Winners of the Environmental Protection and Sustainability Award, Rontec



Winner of the Innovation Award, GW Environmental Consulting Ltd and EV-EXBOX Solutions



Winner of the Rising Star Award, Victoria Pitcher, Motor Fuel Group



Winners of the Health and Safety Performance Award, Certas Energy



Winners of Best New Fuel Installation Non - Retail Award, Octane Holding Group Ltd



Winner of the Lifetime Achievement Award, Jan Ageheim





Exhibition & Conference
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We miss you, already. Be there in 2024!

**14 November 2024
Stadium MK**

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