Spring 2022

ISSUE No.94

Insite

Insite is the official magazine of the Petroleum Equipment Installers and Maintenance Federation

In this issue :

- How good is your training?
- Storage tanks & tank services
- Pipes & pipework • Marinas

PLUS: The Green Pages New Fuels Guide

So it looked like we were coming out of the worst of things... then Russia invaded Ukraine.

I've always steered well clear of politics in INSITE, but it's hard keep away from this. How do we put into words the depth of feeling the world is sharing, and explain the level of empathy and support we all have for the people of Ukraine right now, and what's happening to them in their own country. This attack has caused shockwaves throughout every element of society, so I make no excuses for making this my focus.

Our industry plays a pivotal role in keeping the UK, Ireland and the global community functioning, and the resulting chaos in fuel supply and pricing is just part of the fallout. Where it's going, no one knows, and I suggest that commentators on TV telling us the Russians have already lost, or it's going badly for them, are being extremely previous. They're not from Kyiv, Kharkiv or Mariupol, or the many other cities under siege.

And if there's one thing the pandemic taught us – you really just don't know what's around the corner. Our prices will go up, our deliveries will get worse and our lives will be directly affected, but these are nothing compared to the turmoil of the citizens of Ukraine. So please do what you can and support them however you can.

David Honeyman
Editor

New PEIMF members

WFS
West Fuel Systems Limited

FUEL STORAGE SYSTEMS

Committee

Chair:	Kirk Main
Deputy:	Siobhan Keogh
Business Manager and Insite Editor:	David Honeyman
Technical Officer:	Phil Monger
Committee:	Terry Moody, Andrew Olive, Michelle Machesney Jacque Williams, Robin Futcher, Kevin Powell, Maja Stirrat, Duncan Amos, Tom Burns, Adrian Beeby
President:	Joe O'Reilly
Honorary Members:	Jeff Young, Steve Devine, Malcolm Hogg

All enquiries for membership, editorial and advertising should be made to:

David Honeyman • PEIMF • PO Box 152
Gravesend • Kent • DA12 1ZZ

Telephone: 01474 321999
Email: info@peimf.com

www.peimf.uk

Front cover illustration
Brian Sage

In this issue

PEIMF technical report	6
PEIMF annual event	8-9
Training	**14**
HATT	
GSS Training	
Nupi	
Tanks/Tank Services	**26**
Ancorra Environmental	
Adler & Allan	
Berrys & Co	
Pipework	**36**
KPS	
Nupi	
Marinas	**38**
TSG	
Nupi	
Mates in Mind	44
PEIMF members	48-51

The Green Pages
New Fuels Guide

8 pages packed with specialist information on new fuel technologies

RECYCLE THIS WRAPPER
The plastic envelope your INSITE has arrived in is fully recyclable.

Insite is the official magazine of the Petroleum Equipment Installers and Maintenance Federation. Supplied articles from outside the Federation may not be the policy of PEIMF. The PEIMF accepts no responsibility for these articles howsoever implied or stated in relation to any third party company or individual.

Advertisers and the suppliers of contributed articles are asked to ensure that material submitted is fair and accurate at all times. The Editor reserves the right to amend or withdraw such material which may not comply with this request after consultation.

All our yesterdays

Roving reporter Jeff Young keeping his eyes peeled!

Whilst on a motorcycle tour of Cornwall, just in the middle of the petrol shortage, I came across these old pumps. One is an Avery Hardol from the late 1920/30s and there are two old Wayne 1880's from circa 1930-40's.

All of them dispense in gallons, with clock face dials. It looks like they were last used when petrol was 2 shillings and 3 pence (11.25p a gallon equivalent today).

This works out at less than 2.5 pence per litre... happy days!!

If you have any old interesting pics to share, please send them to david@peimf.com

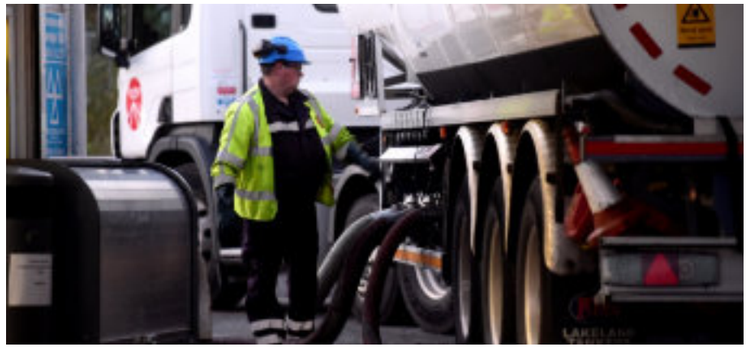
Technical Officer's report

Red diesel

With the Government's planned changes to rebated fuel entitlement coming into force very soon, it has sparked off a flurry of panic calls from dealers and distributors alike, regarding the complexity of compliance issues demanded of them. One retailer has decided to notify his customers now that unless they fill in his application form as an eligible dealer, they will not be able to buy the fuel from his site after that date. The form contains relevant questions about the intended use of the fuel, which will enable the retailer to determine eligibility; following which he will include them on a list of registered users for the staff to follow. The legislation has now been published in draft form in preparation for the coming into force on April 1st.

EV charging on filling stations

As stated in my last report, the working group charged with the responsibility of finalising the text of the Site Operator's Guide to Electric Vehicle Charging Equipment at Filling Stations has completed the work to allow the document to go through the approvals process before publication. Restrictions will be placed on some sites to prevent the facility being used when the petrol station is closed, and the guidance will now include drawings to show the hazard risks when combining the provision of two energy sources of fuel supplies to motorists.



Dangerous unassisted deliveries

It has been reported that some retail sites have been poorly maintained when it comes to the provision of satisfactory emergency equipment for the unassisted deliveries taking place. Tanker drivers have been leaving safety reports detailing a lack of equipment, or that equipment is in need of repair to enable safe deliveries taking place under the sole control of the driver. This matter has been raised at the meetings of the Petroleum Enforcement Liaison Group and the Downstream Oil Distribution Forum to address the problem, before a serious incident occurs.

Parcel collection points

The number of parcel collection points on petrol filling stations has grown considerably, due to the ease of accessibility and parking facilities. Concern has been expressed, where people have encroached onto the existing hazard zones presenting a potential risk to vapour ignition. The cause of concern relates to the unlocking of the storage pod by use of the mobile phone. Anyone installing this system should take particular notice of the need to observe the hazard zones on site.

AIR SERV
EXCELLING IN SERVICE

AIR-SERV IS THE **MARKET LEADER** IN THE SUPPLY OF FORECOURT VENDING EQUIPMENT WITH **OVER 10,000 MACHINES** INSTALLED IN THE UK.

AIR
- No capital outlay
- All-inclusive package
- Pro-active maintenance
- Air machine calibrated on every visit
- Contactless payment available
- Additional revenue streams from Screen Wash

VAC
- No capital outlay
- All-inclusive package
- Pro-active maintenance
- Contactless payment available
- Additional revenue streams available from Fragrance

JET WASH
- No Capital Outlay
- All-inclusive Package
- Pro-active maintenance
- Contactless payment available
- Turtle Wax branded chemicals available
- New Foam Lance and Tyre & Wheel programmes available

ROLLOVER
- Suppliers to *"Indie Top 50"* forecourt operators
- Advanced Technology for reliability
- High Pressure, super foam programmes
- Bespoke Contactless payment option
- New "Fusion" wash chemicals to enhance the wash quality
- Pro-active maintenance

+44 1942 722 333 sales@air-serv.co.uk www.air-serv.co.uk

PEIMF Annual Members' Event

A fantastic couple of days

DAY 1

We met for lunch at the BEIC (see the Green Pages). This is a unique hub for enterprise and new technology, linked to the university and sited on the unique Tyseley Energy Park (TEP). Buffet, and a very welcome return to chit chat, was followed by the afternoon's adventures.

David Horsfall, from the owners of the TEP, gave a fantastic insight into their brave model, which is the country's only zero carbon fuelling station.

This was followed by an unrivalled site tour, around ITM Power's flagship hydrogen generator and dispenser.

Everyone agreed how educational and informative this all was. Well done and a big thanks to our host, Dr James Cross, Development Manager, ITM Motive.

Everybody got a lot out of the day and the speakers stressed to us how much they benefited, from the knowledge and enquiring minds of their most engaging and interested group ever. So well done all!

After moving onto the Voco St Johns Hotel in Solihull (which was great by the way) our evening dinner was just like a bubbly occasion of old. It really was nice to get in a room with so many old friends.

And that was just day 1 – phew!

Frank Hare Award

Our annual Frank Hare Award (in memory of our old friend and my predecessor) is a donation to a charity, of the choosing of one of our guests. This year we unanimously agreed to donate the £250 to the Daily Mail Ukraine Refugee charity.

The Daily Mail Ukraine refugee appeal
Account Name: Associated Newspapers • Reference: Ukraine refugees
Account Number: 20769512 • Sort Code: 50-00-00

James holding court

Robin just had to have a go

DAY 2

Following a hearty breakfast, our AGM kicked off sharply. Outgoing Chair, Michelle Machesney gave a round-up of her 3 years in the hot seat; during the most traumatic of times. Michelle now continues as a 'rank and file' foot soldier of the committee for a further 2 years. We thank Michelle most warmly for her time as Chair.

Kirk Main (from LCM Environmental) was elected as our new Chairman for the next 2 years, with Pumpwatch's Siobhan Keogh stepping up as his Deputy. We are extremely lucky to be benefitting from these knowledgeable, committed and experience folk. We wish them both well and look forward to them playing an increasing part.

Adrian Beeby (TLM) and Tom Burns (Octane) were both elected for 3 year stints on the committee. You can see more of them on pages 10 and 12.

Our friend and colleague Stuart Jardine left the committee last year and was mentioned in dispatches.

Terry Moody also stepped down as he has (unbelievably) retired after life in the fast lane with Gilbarco. But he's not getting away that easily!! We are seconding him onto the committee as a (non-voting) member, so we continue to benefit from his massive talent and experience.

PEIMF Constitution

Terry actually outlined how we have completely re-written our PEIMF Constitution, bringing us kicking and screaming into the 21st century, future-proofing us for all new developments.

PEIMF scope

As a group, we strengthened our resolve to continually support our existing members, working within the forecourt and commercial fuelling sectors. Alongside, we are sympathetically developing our members' knowledge of new fuelling technologies; particularly through our regular supplement in INSITE "The Green Pages" plus educational presentations such as those following later in the morning.

Michelle signed off by hosting a discussion in the room concerning our future and maintaining our relevance and importance within this rapidly changing industry. This provoked much food for thought and helped our future planning.

We also welcomed 3 brilliant speakers:

- **HVO – a sustainable drop-in fuel**
  Magnus Hammick, GreenBio Fuels Ltd
- **The journey to net-zero**
  Colin Duke, Argent Energy
- **Hydrogen as Transport Fuel**
  William Darby, Element Energy

Excellent 'hot' topics followed by 'bouncy' questioning – no prisoners taken!

So after an amazing and full couple of days, a quick lunch then off, as our guests made their way back to all parts of the UK and Ireland.

We look forward to bumping into everyone throughout the year, and then to meet up again next year.

Magnus waxing lyrical

David engaging and educational

You wait all year for a chair(man) then two come along!

Some kind words from our guests

Thanks for organising and hosting such an enjoyable and informative couple of days. I learnt a lot more about the emerging hydrogen mobility sector.
Paul Norman

Thanks for organising and hosting such an enjoyable and informative couple of days.
Salim Patel

Well done on an excellent AGM.
Siobhan Keogh

Thanks for a great and successful AGM.
Peter Jackaman

Super couple of day, we really enjoyed ourselves and I found it all particularly interesting.
Adrian Beeby

Kindly sponsored by

Commercial Fuel Solutions · EDGE Petrol · HATT · GreenChem AdBlue 4you

The PEIMF welcomes Adrian Beeby

With over 30 years' industry experience, we welcome this industry stalwart on to the committee

At least smile!

My journey in the forecourt world started at PM Forecourt Services, after studying TV, Radio and Industrial. Boy was that an eye opener; coming from the warmth and security of the classroom, equipped with oscilloscopes, wave form generators and other exiting test equipment.

Straight into a van, two 24 inch adjustable, a 24 inch stilson and a never ending roll of hoses.

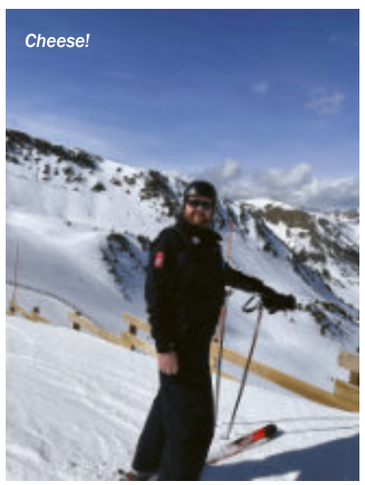
"Off you go lad and change all these hoses."

"What about my electronic test gear and estate car"?

I asked;

"You won't be needing any of that."

Replied a certain young Mr Devine!



Cheese!

One year later

12 months later, following weeks of training at Haygarth House (PM Forecourts' very own training centre) on pipes, tanks, Pyros, hydraulics and mechanical heads, I passed all the trade tests and finally got to stretch my wings. I was working on everything from Gilbarco Trimlines, right through to Edacoms and DataPOS.

I learned so much from so many exceptional guys. Sadly, a lot have now moved up and into the great forecourt in the sky, but I will never forget (and will be eternally grateful) for the help and support those guys gave me.

It was hard, I was really young and naïve, and these guys were so experienced. Yes, I went to the shop for a 'long stand' and other things I am too embarrassed to write about. However, jokes and fun aside, what a lot I learned. We had what we called 'Swapsies' – a lot of the guys were interested in electronics but really struggled; I was interested in hydraulics and mechanics but had no experience. I then became the teacher as well as the student; explaining from resistors to transistors, simple RC circuits, Bridge Rectifiers, three stage amplifiers and the dreaded crow bar power supplies. I learned about the mechanics and taught the electronics.

It's all Greek to me

4 years later I jumped across to Tokheim, and this is where most people will know me from. Initially as an electronics systems support engineer, before being sent around Europe trouble shooting, which was fantastic fun. It was interesting to see different cultures and working standards; my favourite being the Greeks and the Egyptians.

I did lots of country hoping up until about 2002 when Mike Piggot asked if I wanted to 'help' in sales

"That's not for me"

I said.

"I'm too honest for sales."

"That's exactly what I want."

Said Mike.

That was the best move I ever made. I understood everything about the forecourt, so was able to help customers make the right decisions on what they should invest in. I was able to help customers understand and make the right decisions with suction or pressure, ATC, Monitored VR2, Multi Media, integrated CCTV and so on.

Just a short 25 years later, and I was off again to Germany to work with tankers and refineries.

Slip sliding away

Back home again

After 18 months I was back in the UK with TLM and now, 3 years later, and we are part of Madic – loads of exciting things to play with now!

With more than 30 years' experience in the petrol and retail sector, and having come into the business at ground level, I have been equipped well and have a great understanding as to the technical and operational requirements of everything we do in this industry.

I'm really looking forward to joining the PEIMF committee and sharing my experience; benefitting the members and helping to progress this excellent organisation.

Great to have you on board Adrian. Hope you can take Teams meetings on mountains!!

What is AdBlue® ?

AdBlue® is a colourless and pure aqueous solution composed of demineralised water (67.5%) and urea (32.5%). Soluble in water, it is a biodegradable product that is listed as non-polluting.
It is used by diesel vehicles equipped with SCR technology (Selective Catalytic Reduction) to reduce the amount of pollution (concentration of Nitrogen oxides NOx) created by a diesel engine.

What is SMART Pay?

SMART PAY is an AdBlue® storage and dispensing solution to serve passenger cars, vans, light and heavy trucks in your neighborhood. It offers a 24/7 contactless payment system with end-to-end secure transactions using debit/credit cards and mobile phone payments (loyalty and fuel card usage is under development). The small footprint design makes it possible to install the system in the smallest of places: directly on a service station island with limited space or any other location where AdBlue® can be offered.

Consumers find this type of AdBlue® filling solution cleaner and a better alternative compared to using plastic cans. This zero-waste solution could save thousands of plastic cans each year!

Partner's Benefits

- **Boost sales:** It will bring GreenChem's customers to the partner's business location.
- **No investment - No cost:** GreenChem will manage all the setup and maintenance costs. Partners will generate extra revenue and profit.
- **Requires no involvement** from the site owners. It is managed by telemetry and automatically refilled.
- **No civil works:** Plug and Fill technology.
- **Free advertising:** GreenChem will market and advertise the system location on various media channels (newspaper, magazines, mobile app, etc).
- **Profit-sharing:** Share of profit monthly.
- **Future Loyalty programs** partnered with the site product & services.
- **Zero plastic waste:** Clean and tidy forecourt.

The system delivers a fast, clean, secure, and efficient way of filling AdBlue® with a self-pay contactless payment technology.

Partner Support

- Space for system installation
- Power supply for 24/7 operation
- Promote AdBlue®

Press GO and present card for payment

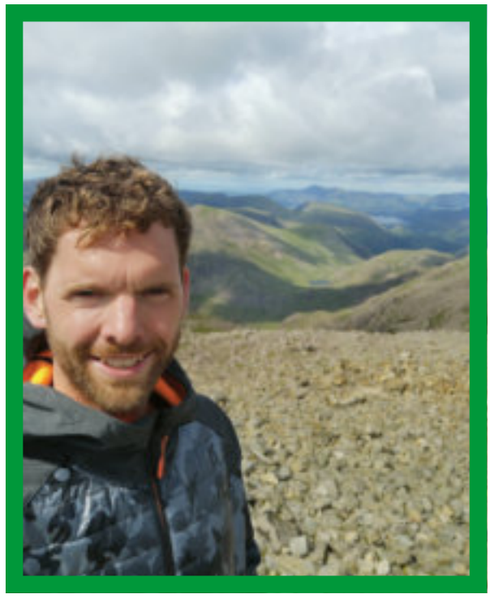
Fill AdBlue®

GreenChem Solutions Ltd
Website : www.greenchem-adblue.com
Email : uk@greenchem-adblue.com
Tel : +44 (0)1296 678548

AdBlue 4you

In the frame...

New PEIMF committee member Tom Burns is Director of Technical Services at Octane in Bradford. Here's a second chance to meet our new recruit.



How come you're in the industry?

It was just by chance really. I was made redundant from a previous job, and saw an opportunity working for Harden Pumps & Tanks Ltd, which asked for electrical experience. As a bonus, it was just 3 miles from home; so I applied and got the job as a field service engineer in May 2011.

Your career to date

My first proper job when I turned 18 was with Direct Line car insurance in Leeds, as a customer services representative. The social life was great but the job wasn't really for me. After that I had a go at print finishing, making magazines after the pages have been printed. It became clear that printed magazines were on the decline, so I enrolled in college and trained to become an electrician.

After finally becoming a qualified electrician, my role for several years was an out and out sparky; doing everything from re-wiring houses to testing industrial premises, until the financial crisis hit and I was made redundant.

I then joined Harden Pumps and Tanks as an electrical engineer, when they had a grand total of 4 staff! We're now rebranded as Octane and have a team 40-plus. So it's been good to be part of something that's grown, and to grow with it.

I was made Director of Technical Services at the beginning of this year.

Which role have you enjoyed most?

While at college training to be an electrician, I worked at TGI Fridays in Leeds as a bartender. For a place of work this was by far the most enjoyable. It was basically like going on a night out, but getting paid for it.

What do you feel have been your biggest achievements (modesty allowed)?

Apart from being part of the PEIMF go-kart winning team a couple of years ago, I gained a degree in management and leadership a couple of years ago, which I completed in my own time. This took an immense amount of time and effort, so it was a great feeling when I finally passed, as it was something I thought previously I'd probably never achieve.

Where do you see yourself in say, 10 years?

If you had asked me this question 10 years ago my answer definitely wouldn't have predicted that I'd be where I am now! So this is a difficult one; but I'm glad to say things are going really well and I'm enjoying it, but there are so many variables in life. So who knows?

And in your spare time?

Climbing mountains (and when I say climbing, I actually mean walking) has been my hobby for the last couple of years. Mostly in the Yorkshire Dales and The Lake District. I also like to travel as much as I can get away with, and I'm a keen follower of F1.

What have been the most significant changes in the industry during your time?

I guess I've not really been in the industry that long' so I think the biggest change I'm witnessing is happening right now with electric vehicles.

What do you think the future holds?

I hate to put a downer on things, but like coal and steam power, the use of oil is clearly on the decline and with every new electric car, that's one less vehicle powered by petrol or diesel. However, I don't think the decline in the use of hydrocarbons is going to happen as quickly as lots of people are speculating, so it's not panic stations just yet.

How are Octane preparing for the future?

I think it's important to add as many strings to your bow as possible, both personally and as a business. At Octane we're good at doing that; so if one aspect of the business goes quiet from time to time, it can be easily supported by another busy sector. Also by having a team of people that are multi-skilled, we have been able to diversify into other areas, not necessarily within the fuel industry.

What about a 'philosophy of life'

I once saw a philosophical sentence that said; *'Don't waste your time looking back, you're not going that way'.*

That always stuck in my mind, because I think you can apply that to all aspects of life, and it's particularly relevant to our industry.

You should always reflect on the past of course, but so often people put forward the argument that you should continue to do something in a certain way, just because that's how you've always done it. Eventually that will catch you out - unless you keep moving forward.

Great to have you with us Tom.

HATT
Hazardous Area Technical Training
Please visit our website for more information.
www.hatt.uk.com

S.P.A
Your Passport to Safety
PASSPORT
APPROVED TRAINING PROVIDER

DSEAR Assessments
Online Training
SSIP Accreditation Support
ISO Certification Support
On-site Safety Auditing

Online training courses available include:
Asbestos Awareness, Manual Handling, Abrasive Wheels.
Prices start from £25 per course.

SPA passport training courses available throughout the year in our Southampton and Stoke training centres.
Private classes available on request including weekends

Please visit our website for more information.
www.hatt.uk.com

PEIMF

Contact chris@hatt.uk.com for further info.
Hazardous Area Technical Training Ltd
Test View Park, Cracknore Hard, Marchwood, Southampton, SO40 4BE

Staff training: vital for all employers

Effective staff training is a vital component in establishing a committed, professional, efficient workforce. Training specialist Chris Ramshaw is a Director of PEIMF member Hazardous Area Technical Training Ltd (HATT). Here he takes us through a number of key elements for employers to consider.

The cost of taking on new staff can be significant; in terms of making sure they have all the skills necessary to carry out their job both safely and professionally. Not only that, once you have trained your staff, you need to keep them up to date with developments in best practice and periodically refresh their training.

To many small businesses who don't have dedicated HR or Health and Safety Departments, knowing what to give training on, and when, can be quite confusing. This article hopes to give some guidance on what staff should be given in terms of basic skills training. By no means is it an exhaustive list and due consideration should be given to the type of work that staff are involved in.

Pre-start. Think about the role

Ideally before you take on a member of staff, you should think about the skills that any job role should have. If they are going to be working in an office, they are unlikely going to need an excavator license any time soon! But they will be need to have an understanding of manual handling, whilst we may think aspects such as manual handling are common sense. Over 1 million days each year are lost to injuries resulting from manual handling and muscular skeletal injuries which, if your staff haven't been trained, on could cost you a significant amount if they decide you were negligent and take you to court.

Once they have accepted an offer of employment, you should request that they provide you with copies of any relevant qualifications they hold, so you can identify what further training requirements they may need once they start. Always make sure that you maintain up to date records of staff training, so that appropriate refresher training can be provided.

Day 1 – One chance to make a first impression

The first day of an employee's life in your company will more than likely set the tone for their whole experience. It may be cliched, but you only get one chance to make a first impression. If your new starter turns up and you are not ready for them, you don't have a plan for their induction and you simply whip them off to site without any explanation, they are not going to feel that they are a valued member of the team. The induction day is the best time for a key person within the business to sit down with them. This is where you can set out the vision of the company, what you want them to know about your standards, what you expect from them and what they can expect from you.

It is the perfect opportunity to talk them through key policies and procedures. Ideally, staff will be walked through the Risk Assessments and Method Statements of the work they are to undertake. They may be experience personnel, but your company may do things in a specific way which they may need to be briefed on. Staff who feel part of a team are far more likely to stay with a company when things are tough, rather than feeling that they are just a number on a payslip.

Expensive

Employers are often reluctant to spend significant amounts of money on a new starter, and rightly so. It can be extremely expensive to take on a member of staff, train them up, only to have them not last a week or worse go off to the competition. However, there are some basic courses which any member of staff should have before they start working. Failure to ensure they have some basic skills documented could prove far more costly in the event of an injury.

Continued on p16

Continued from p15

In my opinion, all staff regardless of their position should have some form of manual handling training. This should be of sufficient quality that it covers all aspects of the discipline, including how to carry out a basic manual handling assessment for themselves. All jobs require some form of lifting, whether it be as simple as moving a box of paper, to lifting and moving heavy curb stones. Anyone working in the maintenance or construction of buildings should also be given asbestos awareness training. Asbestos deaths are still on the increase and nearly all of the major clients and SSIP schemes will want to see staff having annual asbestos awareness courses. If they are going to be using any form of angle grinder, or cut off saw type machinery, they should also undergo abrasive wheels training.

Safety passport training

Whilst not a legal requirement as such, all the major companies in the industry will expect staff to hold a current valid passport. In some cases, staff may not be permitted to be working on site without one. Alternatively, it may be possible to have them work under 'competent staff holding passports' while you assess whether or not the employee is going to stay with you. If they don't hold a passport you should always inform your client, and discuss this with them to make sure they are happy for staff not holding a passport to be working on their sites.

Confined space training

If your staff are going to be getting into chambers and opening tanks, then realistically they should receive some form of confined space training. Some clients will class chambers greater than 1.2m deep as confined spaces and therefore should be a two-man job with tripod and winches etc. Other clients will simply say that if you are working below ground level it is a confined space. It really depends on the client and the facility that you find yourself working in. In most situations, a one-day confined space course will suffice for most chamber works. If you will be accessing the tanks themselves, or you are going to be working in high-risk environments, then a two-day course may be more appropriate.

Driving

If your employees are going to be driving, then it is crucial that you get permission from your staff to check their licenses out with DVLA. Simplistically, if you are looking at employing a member of staff and they already have 9 points on their licence, this could be a red flag. It could have been that they were just very unlucky, or it could be a sign that they may need extra coaching when it comes to driving your assets around the country. In addition, if they were to receive a further 3 points and lose their licence, potentially they may not inform you - as they know it could affect their employment status. Ideally, employers should be checking licenses quarterly or at least bi-annually.

Fire marshall training

Another area to be considered for staff working in the office and on site. The numbers of trained staff will obviously be based on any fire risk assessment that may have been conducted, but realistically you should have at least one trained person on site at any given time. This should ensure that, should a fire break out, there is someone on site who can organise their colleagues.

First aid training

The faster someone receives first aid, the more likely they are to make a full recovery. The cost of emergency first aid training can be as little as £50 per person, and it could be the difference between life and death. Seemingly completely healthy people have been known to drop down for no reason onsite, so it is essential that those working on site know what to do to help.

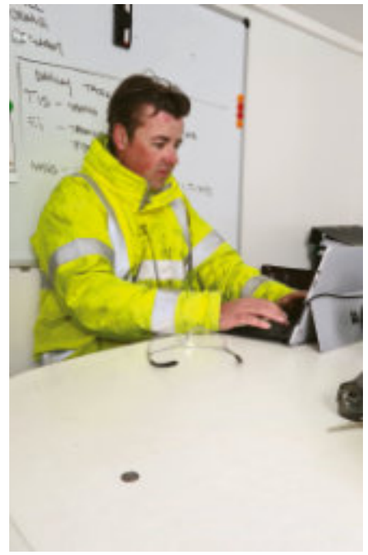
Having a combination of staff trained in either three day or one day emergency first aid will significantly help the business, should an incident occur. The exact number of trained first aiders and the types of equipment required should always be based on a first aid risk assessment conducted by a competent person.

Refresher courses

All training should be refreshed on a regular basis. The theory behind refresher training, is that skills not used very often should be refreshed more often than those regularly used. Some training certifications come with fixed periods, ranging from 2 to 5 years. Other skills may not have an official expiration date, so it is good practice to refresh any training after a period of no more than 3 years. This is to make sure all aspects of the skill are refreshed, as legislation may have changed or something which was previously best practice may have been altered. As always you should discuss training requirements with competent training suppliers.

Whether or not you choose online or classroom training will depend on the skills involved, as well as personal preferences. The merits of the different modes of delivery have previously been discussed in INSITE and can be found via the PEIMF website.

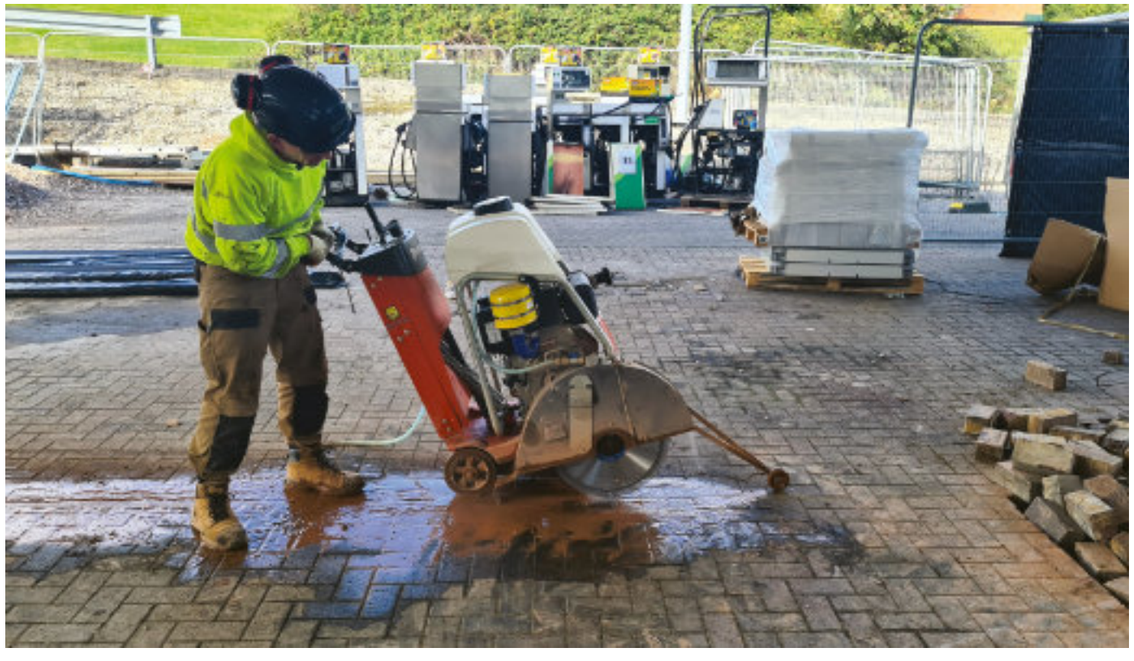
While training can be expensive, by investing in your staff you are showing that you are committed to them and that you value their skills and safety.



In some cases it may be possible to have arrangements in place, whereby if staff leave before a given time frame you can recoup the costs from their final salary. This should be discussed with HR professionals and any policy should be fully explained to staff in advance of the training.

Many of the online courses outlined here, such as manual handling, abrasive wheels and asbestos awareness, along with many other course can be found at **www.hatt.uk.com**.

Alternatively if you wish to discuss any other aspects of the training of your staff, including SPA passports, please contact Chris Ramshaw at HATT Ltd on **07484 517059** or chris@hatt.uk.com and we will be happy to help where we can.



Training the industry for 50 years

Sit up straight! Training in the 70s

The dedication of 3 generations from one family

PEIMF member, GSS Training, have been training personnel in our industry for nearly fifty years. Managing Director Emma McMullen represents the third generation of this dedicated family and introduces us here to their extraordinary commitment and passion.

Whenever I introduce myself at the start of a training course, one of my delegates usually asks;

"Are you Kerry and Glyn's daughter?"

My typical answer to this question is 'yes' - though I joke that I don't usually like to admit to it 😉.

Originally, when General Site Services (shortened to GSS in the 1970s) was founded by my grandfather John Morris Jones. His primary aim was to improve safety, pay and welfare for workers in the engineering and construction industry. In 1977, as recognition for his achievements in the field, he gained an OBE for services to the construction industry, and became chairman of the National Joint Council for the Engineering Construction Industry.

Liz Thomas and Emma McMullen will take over on April 1st

As a family, we have passionately continued this legacy for a number of decades. GSS Training was formed by Kerry and Glyn Jones in 2006, to expand John Morris Jones' work. We now deliver health and safety training for over 4,000 delegates per year across a variety of sectors including: the fuel, construction, engineering, food, aggregates and public sectors. We have dedicated training venues in Manchester, Runcorn and Bradford and train all over the UK and Europe.

Punching above our weight

For a small company, we believe that we operate on a far higher level than our size would suggest, and our people have been involved in the development of training and standards across a range of industries. I myself have sat for the waste industry on the Waste Industry Safety and Health (WISH) People and Performance Group; tasked with looking at ways in which the health and safety message can be delivered effectively. Kerry has sat on the Petroleum Retailers National Steering Group (PRNSG) alongside organisations such as Tesco, Shell and BP Petrol for over 15 years.

Emma on site

Training concerns safety passports. These include the UK Petroleum Industry Association (UKPIA) Forecourt Contractor Safety Passport Scheme. Many oil companies and supermarket retailers require contract workers to complete this training before they are allowed to work on their fuel filling stations.

In an industry that is rapidly evolving with new fuels, new technologies and new risks, it is increasingly important that those working on filling stations are kept up to date with how to ensure the safety of themselves and the public. This training ensures that all workers are given the same message before they commence work on a site.

Continued on p20

Continued from p19

1960's field toilet - more Waterloo than Portaloo

Enjoy your training!

We often find that some of our delegates turn up to our courses in the morning expecting to dislike the training, and believing that they won't learn anything. Perhaps this is a reflection of the 'traditional' safety training that they are used to. As a trainer; it's incredibly rewarding when delegates enjoy themselves, participate, ask questions and thank us at the end of the course for a fun and informative day. The best evidence we have for this is that we have clients who have been coming back to us time and again for over 15 years.

As we have open courses, the delegates who book with us have incredibly varying levels of experience and many different skill sets. We may have delegates who have never worked on a petrol forecourt before including: shop fitters, sign fitters, groundworkers or refrigeration engineers. We also train delegates including Petroleum Officers themselves and those who were working on forecourts long before leaded petrol was phased out. Many of the people coming onto our courses have never heard of vapour recovery, hazardous zones or clearance certificates, let alone the obvious and less apparent risks that need to be managed whilst working on site. And for those who have been refreshing their safety passports for years; they often seek an update on new technologies and legal changes.

New technologies

Popular questions across the past couple of years have centred around updates on the installation and use of electric vehicle charging points on forecourts, the future of the forecourt industry in general, questions relating to newer fuels and updates on CE marking and UKCA (UK Conformity Assessed) marking. We are all in a period of tremendous change. We have new fuels and technologies sitting on the same sites as more familiar fuels. We have forecourts changing hands and the usual churn of contractors in and out of the industry. Coronavirus has changed employee work patterns and places of work. As a training business; we have seen a full-circle shift in training from traditional face-to-face training, to requests for online training throughout the pandemic and now back again to classroom-based training.

As a response to the first wave of Coronavirus, the Petroleum Retailers National Steering Group (PRNSG) allowed the UKPIA Forecourt Contractor Safety Passport Renewal course to be sat online. It was decided that for those contractors new to the industry or those who didn't have an existing in-date Safety Passport; they would still need the increased interaction that a classroom course provides. Even now, the petroleum industry continues to strive for high standards of health and safety and this is continually reflected in the training programmes that are delivered.

Adapting to change

Throughout the past couple of years, we have found that most of our clients prefer face-to-face training. Whilst at the beginning of this period wearing a shirt for the camera and pyjama bottoms off-screen may have been a novelty, subsequent frustrations with technology and the associated lack of interaction seem to have won out. We find that the classroom environment lends itself much better to conversation and learning from other delegate experiences than online training can yet provide.

As the industry changes, so do we at GSS Training. We are bringing in a new suite of CITB Site Safety Plus courses including the HSA, SSSTS and SMSTS. Kerry and Glyn will be semi-retiring on the 31st March and my partner Liz and I will be taking over the company. Whilst writing this article, it strikes me that although so much has changed across the fuel industry, our general drive towards improving safety for everyone on site is exactly the same as my grandfather's was when he started General Site Services over fifty years ago. I look forward to meeting the challenges of the next few decades with the same optimism that both he and my parents have had before me.

Emma McMullen, Managing Director

www.gsstraininng.co.uk

A happy bunch

Franklin Fueling Systems

BRING YOUR P/V VENT IN LINE.

DEFENDER SERIES

The Defender Series® Pressure / Vacuum (P/V) Vent's internal rolling diaphragm delivers consistent and controlled cracking for both low leak and high-pressure conditions while the superior construction of UV-resistant materials extends the overall service life. The in-line vault provides added protection and facilitates at-grade servicing and testing. This eliminates the added expense of lift trucks as well as the potential safety concerns of conducting work at height.

To learn more, visit: franklinfueling.com/pv-vent-flame-arrestor

The importance of training

We speak with Maja Nedic, European Sales Manager, Nupi Industrie Italiane S.p.A.

Why is training so important?

Dealing with hazardous fluids is no joke! It requires knowledge of local standards and products, to ensure an installation that is long-lasting and safe for people and the environment.

As a manufacturer, we have responsibility to ensure the quality of our products and standards but, once the product is out the door, we rely on the expertise of our certified installers.

How does one become a certified installer?

The training has to be done by one of our certified installers. For example, I had to pass an in-depth training programme to receive my certification. This is renewed every 3 years, in order to ensure we are up to date with latest standards and products.

Nupi has hundreds of certified instructors around the world, who provide training to customers either at their location or at one of our 6 factories or warehouses.

As a European Sales Manager, I have been providing training and technical support to hundreds of customers across Europe and, overall, we now have several thousands of certified installers in over 140 countries in the world.

How difficult is the training?

Not at all, and it is usually completed within a few hours.

The Smartflex pipework system is made in a way that it is really easy to install, and it helps the installer a great deal by automating many steps. For example,

all our fittings have bar codes on them that contain the information on the type, size, welding parameters etc so by simply scanning the fittings with a bar code reader, all that information is recognised by the welding machine.

The welding machine also measures the outside temperature and automatically adjusts the welding time, ensuring the quality of the weld.

After the practical and theoretical training has been successfully passed, an installer receives his personalised SMARTCARD, which contains his name, company name, skill level, validity and language preference. Our welding units work in 7 different languages, so by scanning the bar code on the smartcard the welding unit choses the language of the installer.

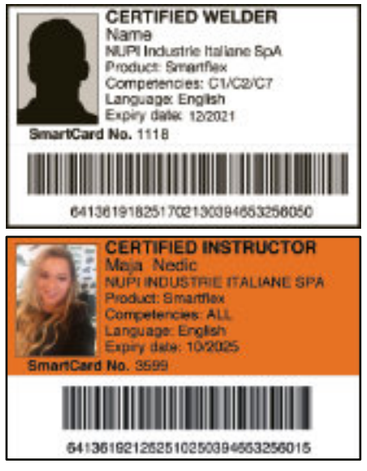
In addition, the company and the installer are automatically registered on our ITS (Interactive Tracking System) where they can log in with their details and check the list of their installers, validity of smartcards and their sites under warranty. It also provides a reference for our clients to show that their people have indeed undergone training by us, as a manufacturer.

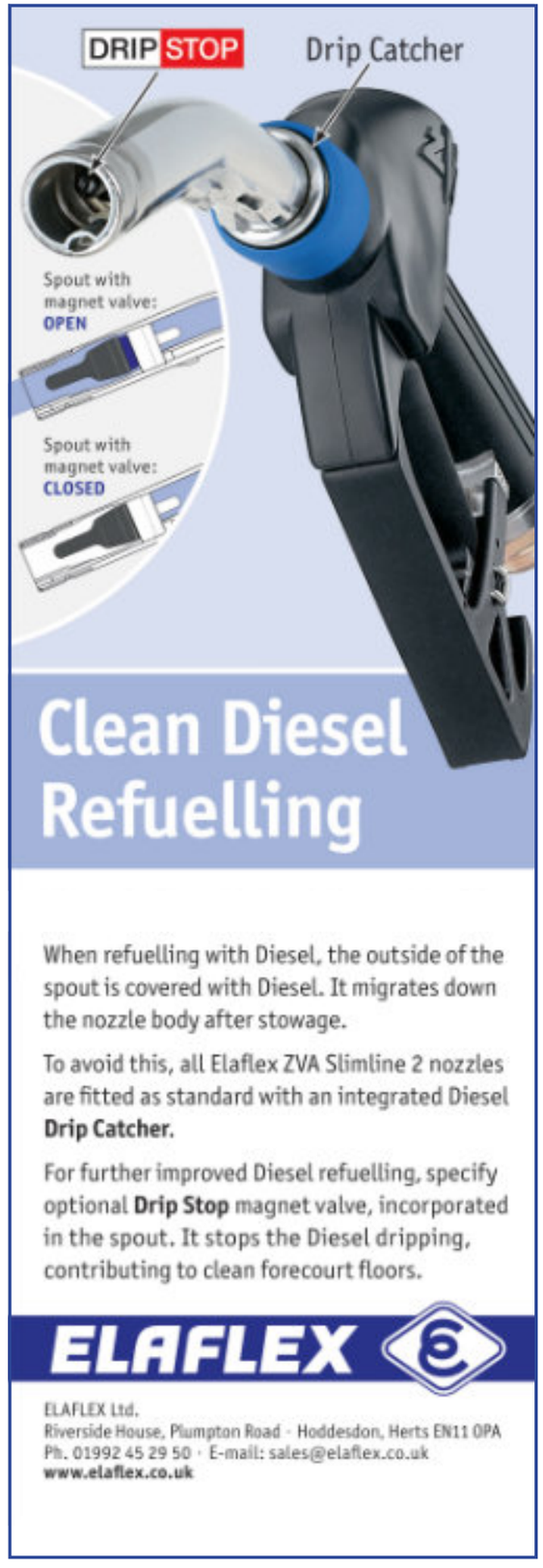
What are some of the biggest challenges in training someone?

There really aren't many. I have trained people of various skills levels, from beginners to experienced fitters. Nonetheless, I make sure that I cover all the steps, so everyone is confident in their knowledge and skill. I speak several languages, so we always find a common language, but even if I am lost for a word, we always manage!

Sometimes, training on site can be challenging; due to weather conditions, and I've had it all from super muddy conditions to extreme hot and cold - but we always get there!

For more info on training and certificates, contact maja.nedic@nupinet.com





TSG

Driving tomorrow's technology onto the forecourts of today

Wayne Helix 6000 CNG

TSG supplies and installs British made fuel dispensers for forecourt and business fleet operators - quality and reliability backed up by a nationwide after-sales support team.

- Tokheim & Wayne Dispensers
- Strategic Partner for Dover Fueling Solutions
- Alternative Fuelling Solutions LNG, CNG & Hydrogen
- EV Charger Installer - Hardware Agnostic
- Media & Payment Solutions
- Kärcher Wash Solutions
- Service & Maintenance Agreements
- Tank Services
- Site Audits including DSEAR Assessments

Wayne Helix 6000
B2B (AdBlue)

TSG Driving New Energies.

TSG Systems TSG Charge TSG Gas

TSG Retail TSG Fleet TSG Wash TSG Technics

T : 0333 015 3001 E : enquiries.uk@tsg-solutions.com

www.tsg-solutions.com/uk

The fight against cyber crime

TSG UK takes an in-depth look into cyber security on the forecourt

The COVID-19 pandemic has expedited the use of digital tools, especially contactless payment systems, in fuel retail operations across the world. These advances in digitalisation have led to increasingly frequent, costly and damaging cyber incidents for forecourt owners.

What are the impacts?

Significant business impacts can follow cyber security breaches, such as:

- reputational impact
- cost of containing and rectifying the incident
- loss of intellectual property or confidential information
- loss of business continuity and revenue
- potential penalties for GDPR contravention

This article aims to illustrate to fuel site operators the measures integrated into TSG's electronic point-of-sale and payment systems, to ensure data security and privacy.

Tokheim Fuel POS

The Tokheim Fuel POS connects seamlessly with all other systems on the service station including: dispensers, indoor and outdoor payment, fully integrated CCTV, tank-level gauges, price pole signs, the back office and car wash. This level of integration makes life easier for site owners and their staff, by providing them with more time to better serve customers. But just how secure is it?

Fuel POS is the preferred EPOS system for both international oil companies and independents, as it not only complies with the strict data security regulations enforced by the Payment Card Industry Data Security Standard (PCI DSS), it exceeds them. It was designed to prevent fraud through the increased control of credit card data, operating via a virtual private network (VPN), which encrypts the customer's identity and payment data as transactions are made.

Fuel POS allows forecourt owners to set user permissions and restrict access rights to the system, where each individual user has their own unique identifier and password, ensuring accountability. Data security is a prerequisite for any cloud-enabled, connected solution and, as a consequence, no card numbers or sensitive personal data are stored.

When Fuel POS is used in conjunction with Tokheim's online authorisation and switching environment (OASE), data protection is taken to a whole new level.

Tokheim OASE

The Tokheim OASE facilitates payment at the Fuel POS and can accommodate all major credit, debit or fuel cards. This simple, but highly secure, payment system reduces the complexity of protocol implementation on the site by using a central switch point. One single security scheme, based on a triple data encryption algorithm and one single protocol, is all it takes to connect a Fuel POS site with the OASE. This is then able to convert all payments made from bank cards in accordance with their specific security guidelines.

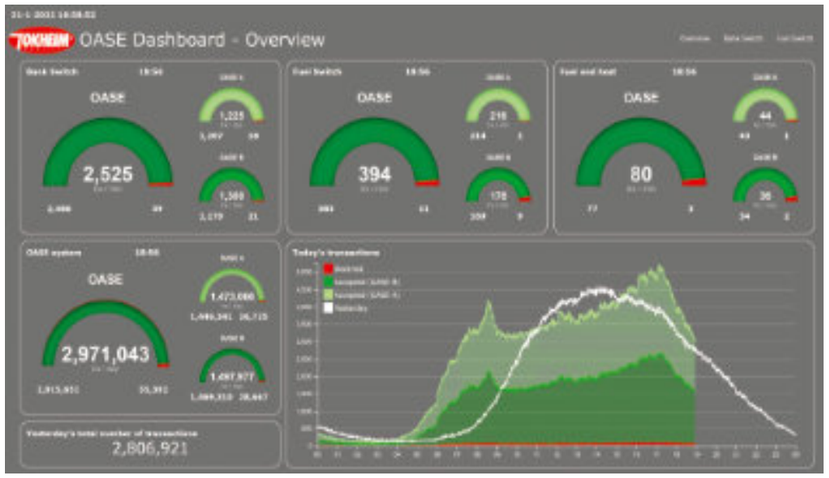
OASE also offers the implementation of velocity controls, designed to flag potential fraud. Each business is able to set up its own scheme rules by using the stop/allow lists and corresponding settlement files. TSG supports the end-host service, by offering a modern and easy-to-use, cloud-based module to manage transactions, stop lists and clear PIN attempts in real-time.

Continued on p26

The fight against cyber crime continued

Like Fuel POS, OASE is regulated to PCI DSS standards and owing to its non-reliance on third-party software has become recognised as one of the most secure payment systems on the market today.

Together, the Fuel POS and OASE payment system make a formidable team in the fight against cybercrime. If support is required for either system, remote access can only be gained by one of six highly-skilled technicians, once permission has been granted by the site. The dedicated server is housed in a locked-down room, which is protected against physical attacks by restricted security card access.



Leave it to the experts

To avoid becoming another statistic in the growing number of cyber attacks on fuel retail sites, take a proactive approach and seek advice from the experts. TSG UK has over twenty years of experience in the industry and we can supply, install and support both Fuel POS and OASE, whilst offering guidance on existing site security.

There is so much that can be done to protect the integrity of customer data, preserve reputation, mitigate the risk of financial loss and safeguard the forecourt against cyber criminals – don't get caught out. Take action now!

For more information on TSG's products and services visit: www.tsg-solutions.com/uk

SPECIALISTS SINCE 1986

OAMPS have specialised in providing bespoke insurance solutions to businesses operating in the downstream petroleum industry since 1986, and can arrange cover for contractors, suppliers and manufacturers connected with the sector.

CONTACT US

01372 869 700

team@oamps.co.uk

www.oamps.co.uk

OAMPS is part of Pen Underwriting Limited which is authorised and regulated by the Financial Conduct Authority (FCA number 316493). Registered Office: The Walbrook Building, 25 Walbrook, London EC4N 8AW. Registered in England and Wales. Company Number: 5172311

The Green Pages

NEW FUELS GUIDE

SPRING 22 • ISSUE 9

Transforming clean energy innovation in Birmingham

Tyseley Energy Park (TEP) is situated on the site of one of the oldest companies in Birmingham. It is set to become the energy, waste, and transport focus for the city of Birmingham, showing how novel energy technologies can form an innovative industrial ecology.

Through the various activities taking place on site, TEP is reducing emissions, integrating low carbon technologies, incubating SMEs, and working with partners to develop the innovations needed for a greener, cleaner, healthier Birmingham.

300-YEARS OF CONTINUOUS INNOVATION

TEP is a part of Webster & Horsfall, a leading provider of specialist wire and wire rope related solutions. A family run business established in 1720, Webster & Horsfall manufactured armoured wire for the first successful transatlantic telegraph cable in 1866. The company went on to manufacture spring wire for aeroplanes and cars, and by the end of the Second World War it had more than 1,000 employees.

industrial area of Tyseley where the factory is situated faced social and economic challenges, which required substantial investment and regeneration to overcome.

In 2010 the board, comprised of sixth generation Horsfall family members, began consolidating the business into a smaller footprint, focusing on producing high-quality, low-volume wire for niche markets for springs and pipe-bending equipment. This enabled its old assets (empty sheds and factory buildings with industrial use planning permissions) to be released for redevelopment on a rebranded Tyseley Energy Park (TEP).

The Master Plan

PHASE ONE: 10MW WASTE WOOD BIOMASS POWER PLANT

On the first phase of Tyseley Energy Park, £47 million was invested into a 10MW waste wood biomass power plant. This plant supplies Webster & Horsfall's manufacturing operation and tenants across the sixteen-acre site with renewable electricity. This provides the foundations for a decentralised controllable distributed energy system in this location.

The biomass power plant has created 19 new jobs and diverted 72,000 tonnes of waste wood from going to landfill. The sustainable power generated is equivalent to the amount required to power 17,000 local homes.

Continued overleaf

PHASE TWO: THE UK'S FIRST LOW AND ZERO CARBON REFUELLING STATION

Strategically located between the city centre and Birmingham airport, this station supplies public and commercial vehicles with a range of sustainable fuels that reduce emissions. The fuels that will be available include: commercial scale electric chargers, compressed natural gas from CNG Fuels and drop-in biodiesels with reduced emissions such as Shell GTL fuel from Certas Energy.

This low and zero carbon refuelling station is also home to the UK's largest green hydrogen refuelling station. Commissioned in 2021, the ITM Power Hydrogen refuelling station takes power from a dedicated offshore wind turbine and generates zero carbon, fuel cell grade hydrogen.

The site comprises:

- A car refueller, operating at both 700 bar and 350 bar
- Two bus refuellers operating at 350 bar
- A tube trailer refueller operating at up to 450 bar.

The site can generate over a tonne of hydrogen per day. Enough to fuel up to 40 buses a day.

The hydrogen created on the TEP site is also being used to support two research projects, led by the Energy Research Accelerator (ERA), that are supporting the new creation of a hydrogen economy across the Midlands

- HyDex – a three-year programme that will support SMEs in accelerating the development of new hydrogen products, transitioning from declining industrial sectors, demonstrating the viability of new products, training, and re-skilling. HyDex will also work with local government and local authorities to support the creation of a market for low-carbon hydrogen solutions as part of the net zero transition.
- H2GVMids – a project that is striving to make clean, hydrogen powered heavy goods vehicles (HGVs) a reality on UK roads. The H2GVMids project involves identifying all the necessary infrastructure, including hydrogen refuelling stations, developing the business case and delivery system, and establishing a trial lease system for truck operators.

PHASE THREE: ENERGY FROM WASTE

As part of a relentless drive to make industry in the city greener, the next generation of waste reprocessing technologies will be developed on phase three. The type of operation under consideration includes an AD facility and a vertical farming unit. CO2 could be captured at the biomass facility and used within the vertical farming unit to aid photosynthesis. A symbiotic exchange of organic waste feedstock from AD could also provide a nutritional digestate for an urban farm fertiliser. The biogas generated during AD could either be fed directly to the gas grid, burned on site to generate more clean energy or diverted to the refuelling station as a potential biofuel, after upgraded.

PHASE FOUR: BIRMINGHAM ENERGY INNOVATION CENTRE

The University of Birmingham's £7 million Birmingham Energy Innovation Centre (BEIC) has been funded by the Greater Birmingham & Solihull Local Enterprise Partnership (GBSLEP). Opened in July 2021, it is the home of R&D, benchmarking and validation,

business support, manufacturing systems integration and modelling expertise across the (public/private/academic) energy, waste, and transportation systems sectors; all in the one facility.

Working with existing energy and transportation system stakeholders, the BEIC is stimulating collaborative research and development projects to overcome local energy and low carbon transport challenges. This demonstrates new and emerging technologies.

By supporting the development and deployment of these new technologies at scale, the BEIC is helping decarbonise electricity and heat and improve the environmental performance of the city as it seeks to achieve net zero CO2 emissions by 2030.

PHASE FIVE: INCUBATING LOW CARBON FOCUSSED SME'S

TEP has created an environment where SME's can drive the commercialisation of their innovative energy-related technologies and services. From testing an innovative idea, to tailored incubation programmes and commercial demonstrators, TEP offers varying levels of support dependent on the maturity of each business and technology readiness.

- **Climate Innovation Platform**

The University of Birmingham and Energy Systems Catapult are delivering the Climate Innovation Platform (CIP). Supported by HSBC UK and part-funded by the European Regional Development Fund, CIP offers businesses a package of tailored support to drive the commercialisation of innovative energy products and services. Over the course of a four-year incubation programme CIP will support 100 SMEs.

- **Energy Transition Centre**

Funded by the Greater Birmingham and Solihull Local Enterprise Partnership the ETC offers newly refurbished office, laboratory, and industrial units for businesses. By clustering this activity at TEP the intention is to enable a pathway for businesses to improve their competitiveness, develop collaborative opportunities and deploy game changing low carbon technologies across the region.

FUTURE ROAD MAP

There is still plenty of space on the existing site for further developments, TEP is working with Birmingham City Council and Jacobs to develop a Clean Energy Masterplan for the surrounding area with plans to extend green growth across Birmingham over the coming years.

NATIONAL CENTRE FOR THE DECARBONISATION OF HEAT

The decarbonisation of heat is the major energy challenge that the UK faces over the coming decades. The West Midlands region recognises this, and so the University of Birmingham, Manufacturing

Technology Centre, Energy Systems Catapult, and the Energy Research Accelerator have submitted a substantial bid to build a National Centre for Decarbonised Heat (NCDH).

Based at TEP, the NCDH will enable the rapid scaling up of manufacturing, skills and deployment of heat solutions; all necessary to meet carbon reduction targets.

The NCDH will create new programmes designed to allow Britain to clear the industrial and commercial roadblocks to the rapid growth of promising technologies and business models. This, in turn, would create tens of thousands of skilled jobs.

GREEN MOBILITY HUB

With a clean air zone now introduced, and the Commonwealth Games arriving in the summer of 2022, TEP has identified an opportunity to showcase Birmingham's green ambitions to the outside world, whilst taking advantage of Tyseley's first-class transportation network.

TEP is planning to create a Green Mobility Hub that will combine multiple transport services, harness innovation in transportation, and promote new forms of energy and energy systems to support reductions in carbon emissions. The mobility hub will act as a demonstrator, showcasing a new and sustainable way our cities, towns or regions operate.

The hub will provide several services including, but not limited to:

- EV Charging
- Co Working Office Space
- First and Last mile delivery
- Bike Share, Car Club, and other mobility services
- Amenities

These are just a few initiatives underway at TEP driven by the need for the UK to meet European emission standards, improve air quality and to meet climate change commitments.

https://www.tyseleyenergy.co.uk/

SPRING 2022 • ISSUE 9 • THE GREEN PAGES - NEW FUELS GUIDE

MFG to open 60 EV hubs in 2022

Investing over £50 million

Motor Fuel Group (MFG), the market leading independent forecourt operator with over 900 sites across Great Britain, is pleased to announce its EV investment plans for 2022.

HIGHLIGHTS:

- £50 million investment in 2022 on EV chargers across MFG's nationwide portfolio
- 60 EV hubs to open with 350 new Ultra -Rapid 150kW EV Chargers
- Zap-Map survey rated MFG the UK's second favourite public EV charging network after only one year of operation

2022 EV INVESTMENT PLANS

As part of its commitment to invest £400 million in EV infrastructure by 2030, MFG plans to invest over £50 million in 2022 on dual-fuel and EV-only sites across its nationwide portfolio. The investment will see MFG install over 350 Ultra-Rapid 150kW EV Chargers at 60 hubs throughout the UK. Beyond the 60 new hubs scheduled for opening in 2022, MFG will energise a further 20 sites in Q1 2022 that have been completed in the final months of 2021.

MFG hubs will consist of between four and eight Ultra-Rapid 150kW EV Chargers per site. 150kW chargers can add 100 miles range in approximately 10 minutes, subject to the charging capability of individual car batteries. These will be augmented with 300kW+ chargers as vehicle battery technology improves to maintain the fastest charging times across the MFG network. While these charging speeds are beyond the capability of most EV models currently on the market, MFG is investing ahead of the curve to build drivers' confidence in electricity as a fuel source. Supporting the Government's decarbonisation and sustainability agenda and emissions target of being net zero by 2050.

The investment in 2022 builds on the £40 million EV investment undertaken in 2021 which saw MFG significantly boost the national Ultra-Rapid EV charging infrastructure, as well as opening their visionary flagship forecourt in Putney and the North-West of England's first dedicated ultra-rapid EV only site in Manchester. Alongside its investment in EV, MFG made a £50 million investment to improve its retail, food to go, and valeting offer to the consumer in 2021. MFG's investment will continue in the years ahead across its UK wide network.

RESULTS OF ZAP-MAP SURVEY

MFG were delighted to be voted the nation's favourite new network and second favourite overall in the Zap-Map user ratings for public EV charging networks in the UK, in December 2021. Despite only 10 months of operation, MFG's new network received an overall rating of 4.2/5. The survey found that customers rated MFG highly for its fast chargers, facilities on the forecourt and a safe environment. Customers also found MFG's chargers easy and reliable to use with a simple payment service on the MFG EV Power app alongside being Zap-Pay enabled by the start of 2022.

MFG is only in its first year as a CPO and expects to continue to invest to improve service for customers by creating EV hubs with a leading retail offering and valeting services.

DUAL-FUEL STRATEGY

Over the coming decades, MFG will operate a dual fuel strategy; meaning it will continue to provide existing fossil fuel infrastructure whilst placing equal importance on rolling out ultra-rapid EV charging hubs. On route charging will be a particularly important infrastructure for those drivers who do not have access to 'at home' charging. In England, over 60% of dwellings in cities and urban areas do not have garages or other off-road parking provisions, and so must rely on electricity from publicly accessible networks.

William Bannister, CEO MFG, said;

"We have already invested significantly, and ahead of the curve, on EV charging across our portfolio. We have an ambitious roll-out programme for 2022 which is focused on our network throughout the UK. Our EV sites are modern in design and provide a high-quality retail and consumer experience for the community and for motorists to use whilst charging their vehicles. We look forward to delivering on our strategic plans throughout 2022."

EV charging boost

New building regulations will create greater charging capacity

In the run-up to 2030, when the sale of new petrol and diesel cars will end in the UK, all new buildings, plus those undergoing major renovations, will be required to install electric vehicle charge points – possibly up to 145,000 extra charge points across England each year. This could prove to be a gamechanger in the shift to net zero transportation.

As well as new homes and non-residential buildings, any undergoing largescale renovations, leaving them with more than 10 parking spaces, will be required to install electric vehicle charge points.

Beresford, chief executive of the National Federation of Builders (NFB) said construction companies would have to foot the bill – while the electricity companies profited!

The NFB said that to achieve planning permission, constructors are required to fund substations so that electricity companies can provide enough load to both new and existing developments.

UK's first low carbon hydrogen production hub

Essar and Progressive Energy have joined forces to deliver the UK's first low carbon hydrogen production hub

Essar Oil and Progressive Energy, developers of HyNet North West, a leading industrial decarbonisation cluster, have joined forces to set up a venture to produce low carbon hydrogen at Essar's Stanlow Refinery in Ellesmere Port, Cheshire.

The joint venture will manufacture hydrogen at the refinery for use across the HyNet region. It will provide Essar Oil UK with low carbon hydrogen to decarbonise its own energy demand in addition to creating a hydrogen economy across North West England and North East Wales.

Natural gas and fuel gases from the refinery will be converted into low carbon hydrogen, with carbon dioxide safely captured and stored offshore in sub-surface reservoirs in Liverpool Bay. The hydrogen production hub will deliver clean energy to industry in the HyNet 'low carbon cluster', as well as to fuel buses, trains and heavy goods vehicles, to heat homes, and to generate electricity when the sun is not shining or the wind blowing.

FROM 2025

The UK's first low carbon hydrogen hub will initially produce 3 terawatt-hours (TWh) of low carbon hydrogen each year from 2025. This will be quickly followed by a facility twice this size giving a total capacity of over 9TWh of hydrogen per annum, equivalent to the energy used for heating across the whole of Liverpool. A total investment of approximately £750m will be committed to deliver the two hydrogen production hubs. Follow on capacity growth is planned to reach 80% of the Government's new target of 5GW of low carbon hydrogen for power, transport, industry and homes by 2030.

The project will use Johnson Matthey's best in class Low Carbon Hydrogen (LCH™) technology. In partnership with SNC-Lavalin, engineering is well advanced with funding provided by the UK Government's hydrogen supply competition.

The agreement between Essar and Progressive Energy provides the basis to take the project through final development and into construction and operation.

TRANSFORM OUR ENERGY

Chris Manson-Whitton, Director at Progressive Energy said;

"We cannot reach net zero without decarbonising industry. Today brings a key milestone in that journey as Progressive Energy and Essar Oil UK sign a Memorandum of Understanding setting out how we will work together to deliver this exciting project at Stanlow Refinery.

"Delivering net zero requires a transformation of our energy system. HyNet offers a once-in-a-generation opportunity to create real change in energy production and consumption, creating a cleaner world for future generations. It will unlock the low carbon hydrogen economy in the North West, reducing emissions and creating and safeguarding jobs."

Stein Ivar Bye, Chief Executive Officer, Essar Oil UK, commented:

"Essar is committed to innovative growth as a means to create positive impact to both economy and environment. HyNet and hydrogen production is integral to Stanlow's strategy and will set it on a journey to be the UK's first net zero emission refinery with the ambition to avoid emissions of over 2 million tonnes of carbon dioxide to the atmosphere per year, the equivalent of taking nearly a million cars off the road.

"With the support from government to establish the appropriate business incentives, together with Progressive Energy, we are committed to undertaking the development and the financing of its construction.

"Hydrogen has a central role to play in our low carbon energy solution. We are demonstrating that the industry is committed to play its part of the UK's transformational hydrogen strategy."

www.essaroil.co.uk

Shell's first EV hub

Shell replaces fuel pumps with ultra-rapid charge points at first EV hub in London

Shell has opened its first EV charging hub in the UK in Fulham, London, where petrol and diesel pumps at an existing fuel station have been replaced with ultra-rapid charge points. A global pilot, this is the first time the company has converted one of its existing sites to cater solely for electric vehicles.

Shell Fulham features nine high-powered, ultra-rapid 175kW charge points which can charge most vehicles[1] from 0-80% within 10 minutes; three times faster than more widely used 50kW rapid chargers.

Commenting on the new site, István Kapitány, Shell's Global Executive Vice President for Mobility said;

"EV drivers are looking for a charging experience that is as fast, convenient and comfortable as possible. This is exactly what Shell Fulham aims to offer. It joins our growing network of Shell Recharge sites at forecourts and other locations, our ubitricity on-street charging network, and our Shell Recharge Solutions for homes and businesses as we increasingly help EV drivers to charge wherever they need it. It also gives us all a glimpse into the future of mobility."

Transport Minister Trudy Harrison said;

"It's fantastic to see Shell leading the way with their brand-new charging hub, offering EV drivers an easy and rapid charging experience. With more people making the switch to EVs than ever before, this is exactly the type of facility we need to help make the transition as simple as possible for drivers up and down the country. This Government has committed £2.5bn to vehicle grants and infrastructure to support the switch to EVs. In addition to Government efforts, it is equally encouraging to see businesses support the EV transition; and Shell's new hub is a brilliant example of the UK's huge effort to go-green and reach our important net-zero targets."

Shell Fulham features a sustainable design including a timber canopy with built-in solar panels, and roof and shop windows that employ double glazing with high insulating properties. Like all of Shell's EV chargers in the UK, including those at over 100 Shell forecourts, the chargers at Shell Fulham run on 100% certified renewable electricity[2].

The hub includes a comfortable seating area, free Wi-Fi, a Costa Coffee cafe and an extensive Little Waitrose & Partners.

With more than 130 full or hybrid electric vehicle models now available to buyers, EV sales in the UK are accelerating rapidly. In December 2021, 27,705 EVs were sold, making up 25.5% of all new registrations that month.[3] For sales and utilisation of EVs to continue accelerating, investment in charging infrastructure will likewise need to grow apace.

Shell has previously stated an ambition to install 50,000 on-street chargers in the UK by 2025 through Shell-owned company ubitricity, and in July 2021 announced that up to 800 Shell electric vehicle charging points would be installed in as many as 100 Waitrose sites across the UK by 2025.

1 The speed of charge depends on the vehicle and battery. The 150kW chargers will give the fastest car the vehicle can accept.

2 Our renewable electricity is certified by REGOs, meaning that all electricity Shell purchases to supply our Shell Recharge sites is matched with the equivalent amount of units from 100% renewable sources in the UK.

3 Data taken from SMMT: www.smmt.co.uk/vehicle-data/car-registrations

SPRING 2022 • ISSUE 9 • THE GREEN PAGES - NEW FUELS GUIDE

First mobile testing for hydrogen sites

The UK's first mobile facility for testing dispensed quantity at hydrogen refuelling stations will be built by TÜV SÜD National Engineering Laboratory

TÜV SÜD National Engineering Laboratory has secured Government funding to build the UK's first mobile primary standard facility for testing hydrogen refuelling stations (HRS); to ensure they deliver the correct amount of fuel.

Funded by the Department for Business, Energy & Industrial Strategy (BEIS), through the National Measurement System mechanism, this mobile facility will ensure accurate and consistent measurement of dispensed quantity of fuel at HRS. This will assure drivers of hydrogen fuel cell electric vehicles (FCEVs) that financial transactions are correct, and ensure accurate fiscal measurements for future taxation purposes.

Dr Martin Hanton, Technical Director said;

"The design of petrol and diesel refuelling stations is highly standardised. If hydrogen FCEVs are to become a viable transport choice, then establishing a standardised refuelling infrastructure is crucial. Ensuring the consumer gets what they pay for at the refuelling station necessitates accuracy at the nozzle, not the meter.

We must therefore bring the calibration facility to the refuelling station, and that is precisely what we will do with our new mobile primary standard."

MANDATED INTERNATIONAL STANDARDS

The international accuracy requirements for HRS fuel dispensers are mandated as ±2% for new installations. However, current ranges can be anywhere between ±1 – 10%. Furthermore, if a consumer disputes the dispensed volume, trading standards cannot investigate at present, as the UK currently has no traceability chain that is linked to a physical primary standard for hydrogen, or the equipment and skills to test fuel dispensers.

TÜV SÜD National Engineering Laboratory's new mobile facility will provide this measurement traceability for the UK.

Marc MacDonald, Head of Clean Fuels said;

"From our involvement in EU projects such as MetroHyVe, it is clear that the dispensed quantity performance of HRS can be variable, in part due to inconsistency in design. We have seen that compliance with the prevailing regulation (OIML R-139) is possible, but not always achieved, especially if less than a full tank fill is delivered.

We will use our new mobile facility to work with industry and test HRS for compliance with the regulations, which is essential to ensure public support for FCEVs use."

Edinburgh-based hydrogen technology specialist Logan Energy has been selected to construct the mobile

test facility. Chosen for their proven track-record in delivering integrated hydrogen technologies, the company has successfully supported the development and deployment of zero emission technologies throughout the UK and Europe.

It has been involved in a number of ground-breaking projects, including SEAFUEL, a €3.6 million project which aims to demonstrate the sustainable integration of renewable fuels into transportation. Logan Energy will use its extensive industry experience to ensure the facility is equipped to deliver robust and accurate test results.

Bill Ireland, CEO of Logan Energy, said;

"This is an exciting collaboration between two Scotland-based teams and is fantastic recognition of our expertise and experience in delivering hydrogen systems and refuelling stations. This project is all about accuracy in a process that has proved difficult to control. We will be setting industry standards to ensure accuracy when it comes to refuelling vehicles.

As hydrogen becomes more of an everyday experience, consumers can be reassured that they will know they are getting what they are paying for. This is particularly important for large users of fuel such as heavy goods vehicles, buses, and trains where inaccuracies when refuelling can result in much larger errors."

Once completed, the mobile facility will also be used to conduct a research campaign, which will help update industry guidance for the design, construction, modification and maintenance of HRS.

www.tuvsud.com
www.loganenergy.com

EVerse™
Smart cloud software suite for EV charging management
EV Charger Management Portal | EV Driver App | Built for the Petroleum Retailer
Mobilise and monetise your EV charging network with the only end-to-end e-Mobility Platform designed for the unique business needs of fuel retailers.
Unique off-the-shelf e-Mobility platform
Available with EV charging hardware or as software only
Designed for you, by the forecourt specialists
Backed by our nationwide service and support
Ready to join the e-Mobility revolution?
Speak to our specialist e-Mobility team for a no obligation consultation today
euenquiries@gilbarco.com
gilbarco.com/eu/everse
Fuelling the future, today.
EVerse
GILBARCO VEEDER-ROOT

Tank services, waste management, and a happy team!

Ancorra Environmental are confident that their expertise will assure your project will be completed efficiently and in strict compliance to all the relevant health, safety and environmental regulations.

24 hour spill response

They are experienced in responding to emergency situations, both in the first instance and during any resultant clean-up operations. Vehicles, equipment and labour can be instantly deployed to help minimise any risk to employees, the public and the environment, whilst maintaining high levels of standards and professionalism.

Technical personnel can attend site and assist in liaising with authorities. All your legal obligations will be met, and advice and reports could minimise the severity of any formal action against your company.

Waste management

They promote recovery and recycling options to provide cost-effective environmental management solutions. Ancorra are free to choose the most suitable approved licensed facility, to provide you with the best environmental option at the most competitive prices.

They can supply all your packaging, labelling and documentation in strict compliance with legislation; and ensure that you are provided with any necessary documentation. Their own fleet of vehicles can then provide transport for bulk, packaged or skipped waste.

They can decommission tank or plant, or even manage an entire site clearance.

Ancorra would segregate materials on site, diverting all recyclable materials for recovery, at a significant cost saving to the project, ensuring remaining materials are safely treated and disposed of.

Fuel uplift and transfer services

Using purpose-built ATEX approved pumping equipment, they have experience in the safe handling of all types and grades of fuels.

Ancorra's high specification road tanker fleet consists of a large range of modern vehicles. These include: multicompartment tankers, 304-316 stainless steel barrels from 15000L to 30000L capacity vacuum tankers with the whole range of fittings such as camlock, bauer, BSP, screw or other speciality fittings. The fleet is ADR certified, compliant for fuel transfers and uplifts under current petroleum regulations.

Clean and dry tank certificates can also be provided for inspection and added peace of mind. Water filling and dewatering solutions are also available services.

Tank & vessel cleaning

Ancorra provides a full service, beginning with a comprehensive site survey right through to the issue of a gas free certificate, if required.

Once an order is received, a bespoke Health & Safety Pack is produced. They can provide jetting units, breathing apparatus, safety equipment, hot/cold cutting tools and support vehicles, to ensure that the job is completed efficiently and professionally.

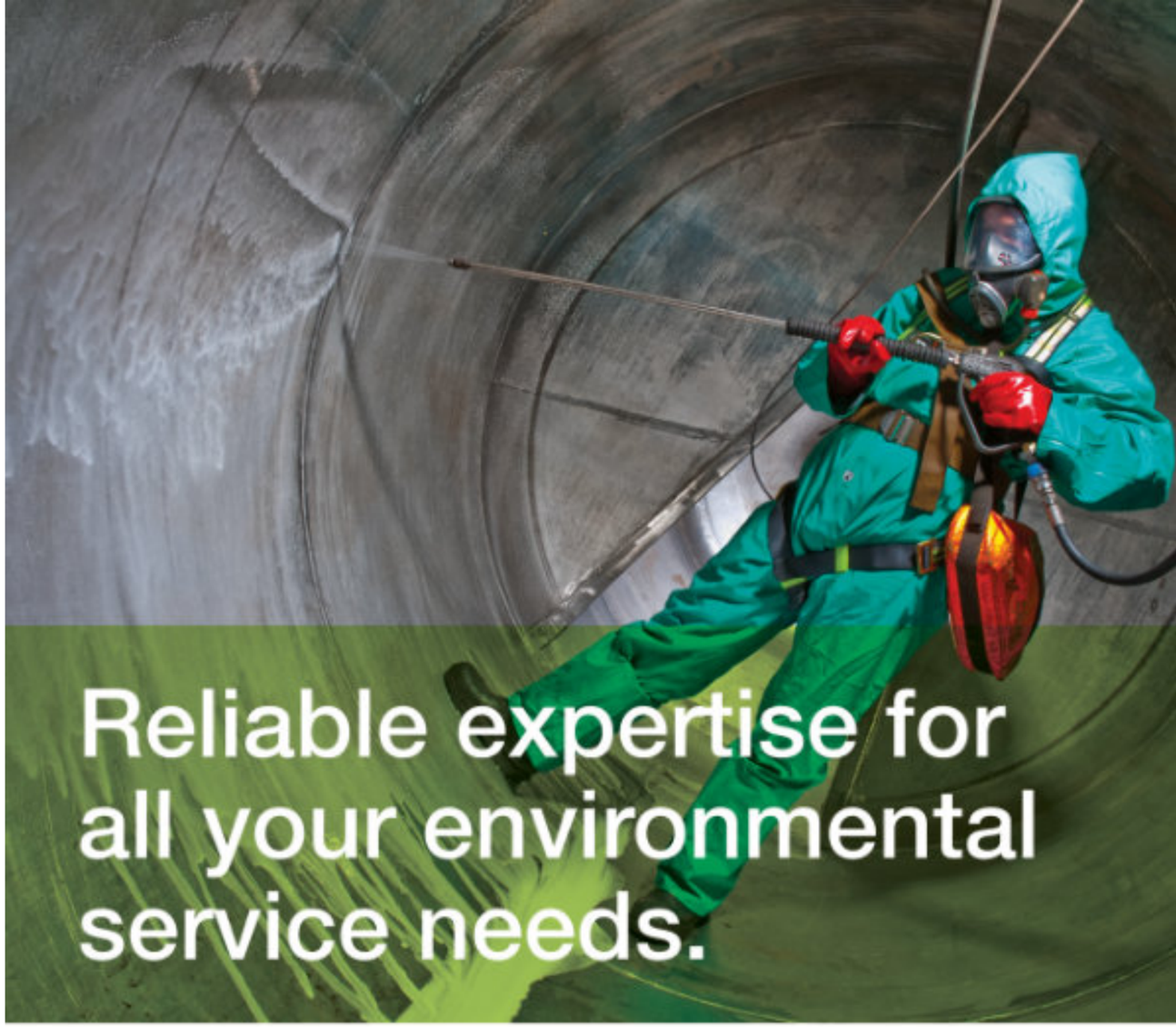
Happy workforce

Ancorra believe it's important to build a team that feels valued, and who are happy in their job. Everyone's contribution is important in ensuring the business functions optimally at every level, and it's important that all staff can have a contribution to the development of business practices and working methods.

This approach has been developed at grass roots level. Their programme of advancement allows an individual to come in to the business as an unskilled operator and then, through extensive internal and external training and on the job experience, can progress through HGV licences and onwards into management.

As a result of this approach, their retention rate of experienced and skilled personnel is first class, as they provide opportunities to their valued staff.

www.ancorraenvironmental.co.uk



- Tank and vessel cleaning
- Interceptor cleaning
- 24 hour emergency spill response
- Fuel uplift & transfers
- Grade changes
- Fuel recycling
- High pressure jetting
- Foam filling
- Tank decommissioning and removal
- Water filling and dewatering
- Waste management
- Forecourt maintenance

For more information about Ancorra Environmental Services

ancorra environmental services

ancorraenvironmental.co.uk 0151 546 3012

Future-proofing your assets

Consumers' energy requirements are evolving, which is causing forecourts to evaluate their assets maintenance regimes. Mark Sluman, Head of Forecourt Services, Adler and Allan, discusses the environmental considerations for ensuring your operation remains safe and compliant through the energy transition.

Ensuring smooth transition with your grade changes

With the phasing out of new diesel and petrol cars approaching in 2030, the industry is seeing a shift in ownership from diesel to petrol vehicles. This shift is causing retailers to change the grade of fuel in their tanks, which requires preparation to ensure a smooth transition.

Changing diesel tanks to E10 will have a significant impact if they aren't reconfigured properly. Issues could include complete fuel and tank contamination issues, blocked filters, and the tank may require re-lining before accepting the new fuel.

Before converting a fuel tank from diesel to petrol, it is recommended that you clean the tank. Diesel can contain a lot of sludge, which can come up into the petrol causing problems in your customers' vehicles.

It is also recommended that you undertake a process of water-freeing your tanks. Petrol, with the increased volume of ethanol in the new E10 blends, is more hygroscopic, meaning it hangs on to water. This can be less efficient for your customers and can damage the environment if released, as traditional separators are not designed to filter these effectively.

A grade change is also an opportunity to consider re-lining your tanks. Tank lining replacement is a cost-effective solution to ensure fuel quality and environmental compliance.

Reducing the risk of failure with E10

In September 2021, the Government introduced E10 petrol across all UK forecourts.

E10 may not have caused any initial issues with assets, however longer-term, sites may experience problems with tank lids and pipework, seals, and gaskets, with potential failures on tank linings.

One thing is for certain, a greater percentage of ethanol in the fuel = a greater potential failure rate. Therefore, it is wise to ensure you have a robust maintenance contract in place with an experienced environmental partner, who can advise on any changes required to your maintenance schedules.

Protecting your assets with fuel sampling

All grades of fuel are open to deterioration, which can cause issues with your assets as well as your customers' vehicles. Proactive and reactive fuel testing can identify problems before they arise, or isolate an issue following a query from a customer.

A specialist environmental partner will have the technology and expertise to take fuel samples. If identified as off spec, polish the fuel, clean, and inspect the tank, and undertake any remediation work on the asset to reduce the risk of further problems.

Ensuring a safe and compliant future

The forecourt is a logical place for EV charging points, as it is where drivers currently do their refuelling. Existing forecourts are accessible, visible, and already familiar to motorists; and operators are used to hosting infrastructure and providing a service to drivers.

However, there are certain technical challenges that need to be considered before installing EV charging equipment.

The APEA Electrical Sub-Group has identified a number of risks when installing EV chargepoints on a forecourt, which would need to be carefully considered. These include: locating the charger and vehicle outside the hazardous area, routing a supply cable around the hazardous area (not underneath) and interlocking the supply to the charger with the filling station electrical controls.

Specialist hazardous electrical contractors will be able to support you with your unique EV charging requirements, to ensure your forecourts stay safe and compliant.

Ensuring safety and compliance with a dedicated specialist

Our one-stop-shop of dedicated environmental specialists include: hazardous electrical contractors, experts in tank and pipework maintenance and inspection, specialist fuel services division, as well as a dedicated in-house fuel testing laboratory to ensure your sites remain operational, safe and compliant; future proofing your assets through the energy transition.

www.adlerandallan.co.uk

From tanks to vehicles

When the general public refer to petrol filling stations, you hear phrases such as: "The pump has run out of fuel." Without the realisation there is 10,000 to 400,000 litres of fuel very close by – in underground storage tanks. Now of course, that fuel needs be carried from these tanks to the pumps.

This is where Berrys comes in.

Each tank requires a lid, with fittings. This allows fuel to be delivered into the tank, and also for fuel to be taken out of the tank. Plus the dispensers of course. It is important for this interface to be accessible, both for inspection, maintenance, and tank entry. This is achieved with the lid having a surrounding chamber, and a manhole cover at ground level.

ATLAS

It was normal for many years for these chambers to be constructed from brick or concrete. With the pipework entries being "sealed" with expander foam/duct sealant. As the standards of construction evolved in line with increased environmental regulations, alternative chambers were introduced to market, produced from material such as polyethylene and fibreglass. Although this was a clear improvement on brick structures, containment and sealing remained an issue.

Leading up to the millennium, Martin Berry, CEO of Berrys Technologies, began developing not only a more advanced chamber, but also vastly improving the interface between the tank and pipework. After lengthy consultation with clients and contractors, in 1999 ATLAS (Advance Tank Lid Assembly System) was born. The original ATLAS was a steel structured box sitting within the existing outer surround.

In effect this problematic area became dual contained. Any water ingress through the outer chamber would be contained, away from the tank lid and its fittings.

The tank lid fittings were another industry first, with its modular design; 95% of all threaded joints were replaced. As well as this, potential leak paths were vastly reduced. We developed options for suction, pressure, syphon and manifolded fuel designs.

Pre-fitting

Alongside all of the design improvements, the most impressive benefit of the ATLAS system is the ability to 'pre fit' at the tank manufacturer; meaning the chamber can arrive on site ready to connect to the pipework. Depending on the number of tanks and tank fittings involved, this pre-fitting could save up to a week on installation, and ultimately eliminate cost significantly.

The ATLAS was a massive success. Specified and installed by all of the UK Supermarkets, including many oil companies and independent dealers. Not resting on our laurels, we continuously strived to improve the system, listening to industry feedback from owners, contractors and installers alike.

ATLAS MONO followed in 2004. The concept of ATLAS Mono was a singular, steel constructed chamber that would be welded to the tank during its construction, reducing even more potential leak paths. This increased the time saving element on site and the size within, for a bigger working area. Working with Wefco (Gainsborough) Ltd we quickly proved concept and this option was taken up by all of our clients.

Almost instantly, we retained the same lid and fittings so both systems were compatible. And our specially designed entry boots can be adapted for all variations of pipe size.

Since its inception, we have supplied approx. 7,000 ATLAS chambers. It remains the most popular system in the UK. We estimate ATLAS MONO is currently installed in 80-85% of new below ground tank installations within the UK.

Our **RETRO MONO** is another industry first, offering the same size and quality benefits of the pre-installed system. The unit can be welded directly to existing tanks, requiring no buried gaskets or plates which, in the event of any future problems, could require excavation or an extremely unsafe environment.

Underground storage of fuel has evolved massively over the last 40 years. We're proud of the products and equipment we've developed to improve the storage and fluid handling element, which is critical to the operation of sites across the country.

www.berrys.com

Merkland Tank announce appointment of new managing director

Glasgow-based industrial tank cleaning and maintenance specialists, Merkland Tank, are pleased to announce the appointment of Colin Hotchkiss as Managing Director with immediate effect.

Acquired by equity investor Nevis in 2017, and with origins dating back over 100 years, Merkland Tank provides a range of industrial services associated with tanks and vessels. Typical works include tank cleaning, inspection, repair, installation, and decommissioning. Clients include Oil and Pipelines Agency, Nynas UK AB, Babcock, Amey, Balfour Beatty and Scottish Power.

Colin joins Merkland from Loxam where, most recently, he was Divisional and UK Fulfilment Director, primarily responsible for HSE, Engineering, and Transport & Logistics across Loxam's Powered Access Division.

Prior to that he was Managing Director at well-known plant and site equipment provider Garic, and also held key positions with Finning UK spanning 11 years, including Divisional General Manager.

Ian Buchan, Partner at Nevis, said;

"We're delighted that Colin is joining the business to support us to achieve our long-term goals. He has a wealth of experience of growing industrial services businesses across the UK. We look forward to working with him and the rest of the team to continue to deliver for our customers."

Colin Hotchkiss said;

"I'm excited to join Merkland Tank. I am inheriting a business with an excellent reputation for quality and reliability of service, and a long-serving trusted team who know the industry inside out. I'm very much looking forward to working with them to build on those strengths and lead the company into the next phase of ambitious growth."

To find out more about Merkland Tank, visit www.merklandtank.co.uk

Keeping Data Centres safe and secure

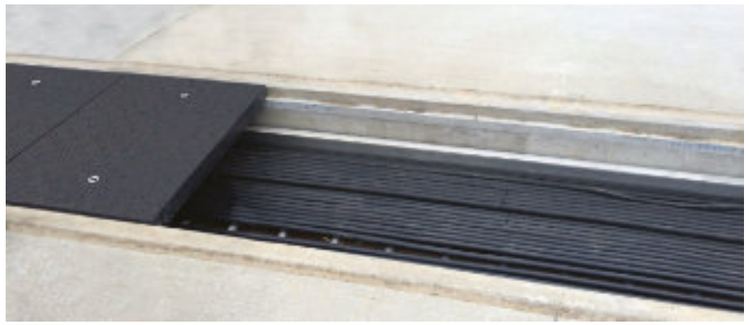
Data centres specify KPS high density polyethylene (HDPE) piping & Fibrelite composite access covers to safeguard 24/7 365 operation

In an increasingly connected digital world, data centres are critical. With 3.6 million m2 in use by data centres in Europe alone, and over 70 projects (851,000 m2) in progress in 12 european countries (ResearchAndMarkets), their growth continues to accelerate to meet the needs of cloud technology, AI, 5G, Internet of Things (IoT) data storage and the shift to hybrid working. This trend is mirrored globally, with investment in data centres projected to rise from $244.74 billion in 2019 to $432.14 billion in 2025 (ResearchAndMarkets).

Safeguarding service: eliminating downtime

To ensure 24/7 365 operation and minimise the risk of downtime, data centres are constructed with the highest performance, highest quality building materials available and every part of a facility is meticulously planned. Infrastructure is an integral part, normally comprising an uninterruptible power supply (UPS), power distribution, cooling systems, fire systems and security systems. Many of these have redundancies (2N+1 for Tier 4 facilities, guaranteeing 99.995% uptime) including back-up power generators to prevent interruption of service.

Two contemporary products being adopted by leading data centres across the globe are Fibrelite's lightweight FRP composite trench access covers (to protect and provide easy access to underground infrastructure) and KPS' HDPE piping (to fuel backup generators).



Fibrelite's FRP composite channel access covers installed at major US data centre

KPS' HDPE piping installed at major Parisian data centre

High-performance backup generator fuelling systems

KPS piping installed at Chinese data centre for one of the world's leading tech brands

A reliable fuel supply is key to a backup generator's smooth operation, connecting generators to fuel storage tanks and tanks to fill points. Nicolas Lefebvre, Generator Activity Manager at Flipo-Richir (France) commented;

"We regularly install generators to back up data centres in the event of a power cut. We have been using KPS double wall piping exclusively for more than 10 years to connect generators to underground storage tanks. KPS piping is easy to install, mainly thanks to the assembly by thermo-welding. The range of products is very complete, which makes it possible to create any type of network, even complex."

Lightweight Fibrelite FRP channel access covers designed for safe manual removal and replacement

Corrosion-resistant, safe and easy to install (due to compact electrofusion fittings) the KPS HDPE piping system helps fuel flow safely, even providing protection against ground movements (using the elasticity and flexibility of HDPE). Safety can be enhanced further by installing KPS' conductive piping option, ensuring continuous conductivity between the tank and the end of the line (which can be earthed). This helps to prevent the accumulation of electric charges, that could otherwise be created by the friction of the fuel velocity and the plastic inner surface. KPS' 4" (110mm) piping also delivers a 933 litre/minute flow rate, making it ideal for fill lines (KPS piping is available in 1" to 4" diameters in single or double wall). KPS will also soon be releasing a 6" double wall product range.

Simple, safe underground infrastructure access.

Another contemporary product line seeing widespread global adoption by architects, design engineers and specifiers; to enable easy access to underground infrastructure, is Fibrelite's modular FRP composite trench/channel access covers. These are now often specified at the outset of new build data centre projects. Bespoke, modular and lightweight, Fibrelite covers are designed to be removed quickly and easily by two people using Fibrelite's ergonomically designed lifting handles, even where heavier load ratings are required (e.g. channels running between buildings with vehicle traffic). Due to their unique custom engineering capabilities, Fibrelite can manufacture access covers at all load ratings up to F900 / 90 tonne (A15, B125, D400, E600 and F900).

Traditionally, for the past 100 years, access covers have been made from concrete or metal which are 3-4 times the weight of Fibrelite covers, often requiring specialised lifting equipment to remove and replace. Fibrelite covers are also impervious to corrosion and have a unique anti-slip walking surface.

In many instances where Fibrelite access covers are adopted, companies choose to specify a bespoke option, custom-manufactured to specific requirements including size, colour, load rating, fittings (e.g. securing systems) and moulded identification of below ground services. Fibrelite has also undertaken projects where they have designed and manufactured retrofit replacements for previously installed heavy concrete or metal access covers.

Jo Stott, Marketing Director, OPW Global;

"We are proud to be involved in data centre projects across the globe, with our Fibrelite trench access covers facilitating easy safe access to below ground infrastructure, and our KPS piping providing a reliable fuel supply to backup generators. In many cases, we actually custom design and engineer bespoke products to fit each facility's requirements."

www.KPSpiping.com/datacentres

www.fibrelite.com/datacentres

SMARTFLEX™ just got BIGGER!

Full range of sizes now up to 315mm

Smartflex fuel pipework system by Nupi Industrie Italiane S.p.A. has been well known in the industry for its fully developed range of single and double wall pipes and fittings.

The typical service station installation uses sizes from 32mm to 110mm.

However, over the years we have seen a growing demand for bigger diameters, such as 160mm in the marina and airport sector, where a higher flow is requested (typically 1000l/min).

Smartflex already has lots of experience in this sector, with hundreds of installations around the world. These range from luxury mega yacht and cruiser marina ports, where we have delivered our full double wall system 160/225mm, to small fishing ports requiring smaller diameters.

But now we have taken a step further and developed a full range of 315mm pipes and fittings.

Heavy investment in R&D

Nupi has been listening to the demands of our customers for 50 years. We have invested heavily in research and development of the new products that are moving in line with demands in the market.

We now have four factories in Italy, two in the USA and several warehouses around the world, including the one in the UK; so we can provide our products and training at a competitive speed.

INDUSTRIE nupi ITALIANE

Smartflex is a complete multi-layer piping system for the transfer of automotive and aviation fuels, biofuels and hazardous fluids. A system with UL, EN, IP, Kiwa and many more approvals that is in use and approved by all major international petroleum companies.

Special approvals

SMARTFLEX piping system has been tested for special AVIO fuels such as JETA1 and AVGAS100 and has shown its suitability for marina and airport filling point applications.

SMARTFLEX has been qualified by such companies as TOTAL for airport applications, and has been approved for marina applications by the Florida Department of Environmental Protection amongst others.

SMARTFLEX™ is produced using the latest techno polymers that are bio-compatible and fully recyclable. The quality of the materials used and the strict quality controls in its manufacture allow NUPI to provide a product warranty of 30 years.

www.nupigeco.com

www.pumpislands.com

AdBlue®
Light Vehicle Refilling

ZVA AdBlue LV

AdBlue® is a registered trademark of VDA.

EURO 6 require most diesel passenger cars and vans < 3,5 t ('light vehicles') are designed to be refilled with AdBlue® urea solution.

The Elaflex **ZVA AdBlue LV** nozzle is perfectly suited:

- integrated misfilling prevention for ISO 22241-5 filling points
- flowrate up to 10 l/min
- no dripping when removing nozzle from fill point
- easy handling similar to other ZVA nozzles
- fulfills technical requirements of EN 13012 and ISO 22241
- ATEX approved for use on MPD forecourt dispensers
- prevents unnecessary waste, no need for bottles and container

elaflex.com/adblue-refilling

ELAFLEX

ELAFLEX Ltd.
Riverside House, Plumpton Road · Hoddesdon, Herts EN11 0PA
Ph. 01992 45 29 50 · E-Mail: sales@elaflex.co.uk
www.elaflex.co.uk

Driving down your fuel costs

The **Merridale** range includes fuel management systems, fuel pumps and dispensers, fuel storage tanks, tank gauges and fuel management software for client and web-based solutions.

Merridale systems are installed at over 4,000 sites throughout the UK, Ireland, Channel Islands and Holland.

Up to 400,000 vehicles fuel every day on a **Merridale** system.

Fuel Management
One Solution

- Highest build quality
- Designed to last a minimum of 10 Years
- Meets ATEX for diesel standards where applicable
- Optional reporting software
- Accurate, robust, reliable and up-gradable
- UK designed, developed and manufactured

MERRIDALE®
Fuel **Management** · One **Solution**

Merridale Ltd
Merridale Works | Lower Walsall Street | Horseley Fields
Wolverhampton WV1 2EU | UK

Sales
Tel. +44 (0) 1902 350 700
Email. sales@merridale.co.uk

Service and Support
Tel. +44 (0) 1902 350 701
Email. support@merridale.co.uk

www.merridale.co.uk

Marina refuelling – safety first!

Thousands of small boats are fuelled at marinas on our rivers, lakes and seashores. This article looks at the challenges faced by site owners and why choosing the right dispensing equipment is crucial for health and safety of boaters.

There are the usual health and safety considerations associated with storing and dispensing fuel, such as fire safety and environmental protection. However the very nature of refuelling, with the close proximity to water, creates additional hazards and increased environmental concerns. Additionally, many recreational lakes and rivers are also a source of drinking water and, as a consequence, require extra regulations for the refuelling points; to combat pollutants entering the waterways.

When forecourt fuel spills occur, a quick and easy clean-up can be actioned, usually in the form of sand being scattered over the affected area to soak up the fuel and later swept away for safe disposal. However, this is not the case for spillage at a marina refuelling point, as even a few small drops entering the water leaves a tell-tale iridescent, rainbow effect on the surface. Whilst unlikely to pose a contamination threat, it is extremely undesirable.

Guidance to help site owners ensure boaters' safety

- Any fuel dispensing equipment should be located a sufficient distance from other structures, to allow safe access of boats to be fuelled.
- Dispensers should be a minimum of 7.5 metres from any other marina activity not associated with the handling of fuel.

- Only approved dispensing units should be used, and may be located on open or solid-fill piers, wharves, floating docks or onshore.
- All nozzles should be fitted with a self-closing control valve (automatic shut-off) with a lever guard to prevent accidental dispensing.
- To prevent a trip hazard, it is advisable that extra-long fuel hoses are stored on a heavy-duty, retractable reel (preferably stainless steel, to avoid corrosion) and ideally have piping disconnects with automatic shut-off valves in case of breakage.
- Ensure a fire extinguisher is readily available.

Guidance to help boaters refuel safely

- Adhere to any marina guidance and rules regarding refuelling on the site.
- Ensure that no one is on the vessel during refuelling.
- Operate the dispenser by hand only. Do not attempt to jam the nozzle in the open position.
- To prevent petrol vapour pooling in the confines of the boat, close all windows, hatches, and doors. Also turn off all cooking appliances and other ignition sources before removing tank cap.
- Avoid decanting petrol from containers where possible.
- Maintain contact between the hose nozzle and filler neck to avoid static sparks.
- Only restart the engine when satisfied the boat is free from flammable vapours.
- Do not overfill the tank to avoid overflow, and use a drip tray to catch droplets of fuel.
- Do not smoke in the refuelling area.

Getting it right

TSG UK is here to guide marina operators through the exacting task of choosing the right equipment for their operation. Whilst environmental safety is always a priority, this should not mean sacrificing reliability and efficiency. TSG UK can supply, install and maintain dispensers from the Tokheim QuantiumTM range, that incorporate advanced metering and durable materials to provide long-lasting performance, even in the harshest conditions.

Quantium dispensers, ordered to marina specification, boast corrosion-proof, bright annealed, stainless steel outer panels; plus an optional epoxy resin coating for internal components, to provide long-lasting protection against saltwater and air.

Additionally, for unmanned marina fuelling points, TSG offers the Tokheim Crypto VGATM outdoor payment system, that facilitates the payment of fuel prior to dispensing and incorporates a robust set of anti-fraud mechanisms.

For more information about TSG UK and its products and solutions visit: **www.tsg-solutions.com/uk**

G.A.W. Washes:
specialists in the South West

GAW Washes have been supplying Jet Wash, Vacuum & Air equipment throughout the South-West since 2003, working in partnership with petrol filling stations, car sales and garages, retail stores, wash bay centres, and independent sites.

As well as outright purchase, equipment is available for profit-share, which means no capital cost to you - increasing profits. This removes your cost and invaluable time and allows G.A.W. Washes to deal with your wash equipment, allowing you to focus on your business. The range of benefits for this include:

- Free installation on all equipment
- Free 24/7 call out response
- Free labour & parts warranty
- Free service & maintenance cover
- G.A.W. Washes install and maintain the equipment themselves,
- Wash chemical supplied to you at no extra cost

Buy-time jet wash is an easy to use operation. We offer an eco-friendly inline water heater, energy saving, heating water on demand. Thermostatically-controlled blow down, frost protection & heating pack keep the jet wash going during those busy cold months.

Service: without doubt our backup and on-going maintenance programme will exceed your expectations, which is carried out every month and to the highest standards.

Equipment: 180^{0} rotational booms, keep hoses fully off the ground, with extralong 120mm hog's hair brush head. We use brand leading scented chemicals combined with our optional max foam output to give a professional finish.

30 Watt LED floodlight. Stainless steel cabinet vinyl wrapped with your colour of choice - site specific or generic signage available. Vacuum & airline revenue generating equipment available to perform alongside your jet wash.

GAW's founder, Keith Ellacott says;

"We will supply you with unrivalled car wash equipment and brand leading chemicals. We are committed to leave all our customers fully satisfied, loyal and frequent washers. You can rest assured when dealing with us. We are a proud, family run company who you can trust."

www.gawwashes.co.uk

Like clockwork

Why this marina in Switzerland chose Smartflex fuel pipework

SMARTFLEX was recently installed in a new marina service station at pier 7 on lake Zurich in Switzerland.

Corrosion and deterioration of traditional steel piping systems can cause serious and costly problems at marina filling points. SMARTFLEX multi-layer HDPE Marina Piping System can avoid these problems thanks to its durability, integrity of joints, resistance to corrosion and chemicals and reduced head losses if compared to metal pipes. The rusting, pitting and scaling that commonly lead to the failure of metal pipeline systems are eliminated with the use SMARTFLEX.

SMARTFLEX is ideally suited for these kinds of installations thanks to its electro-fusion welding system, that allows for greater protection and leak-tightness. The welding process is carried out at minimum voltages in compliance with accident prevention standards.

Precision

The precision at which Smartflex welding machine tends to each weld, assures the highest possible quality of the installation and provides 30 year product warranty.

All SMARTFLEX fittings, have a product bar code containing information about the welding parameters, type and size of the fittings, as well as traceability information. By scanning a bar code directly off a fitting, the welding unit reduces installation time and any potential installer error in entering the data manually.

An integrated thermometer measures the outside temperature and adjusts the welding time accordingly, so every single weld is performed to the best standard.

And lastly, the welding unit records every weld and gives a full welding and pressure test report, thus providing a quality report of the installation and the full traceability and higher reliability of the work.

Leak detection, no corrosion

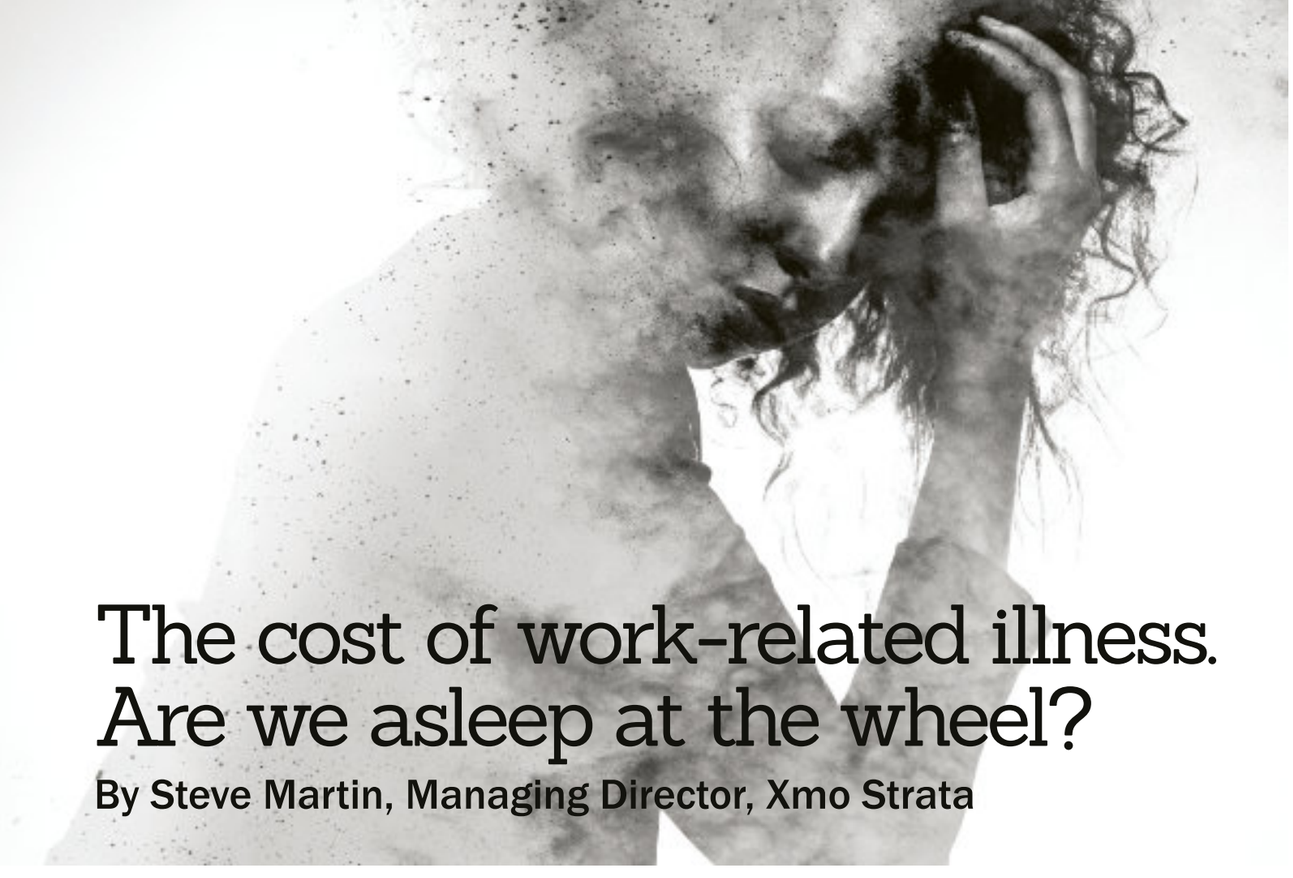
SMARTFLEX is recognised as a fully approved piping system, for fuel containment and delivery for marina applications, and is not subject to salt-water corrosion.

The use of coil pipe allows for longer runs and more flexibility with the water movement. Also its UV resistant properties and flexibility make it an ideal solution for marina applications.

In addition Smartflex pipework can be fully monitored by a leak detection system, providing an extra layer of security and peace of mind.

This is why Smartflex is a preferred choice when it comes to marina projects.

www.nupiindustrieItaliane.com



The cost of work-related illness. Are we asleep at the wheel?

By Steve Martin, Managing Director, Xmo Strata

In 2020, despite the fact that many of us were not even at work, off on furlough, there were 1.6 million cases of work-related illness, and 0.7 million workers sustained a non-fatal injury (UK Government figures).

38.8 million days were lost to work-related illness and non-fatal accidents, and there were half a million cases of work-related stress or anxiety, and 111 fatalities.

Many people, including me, will look at those figures and think in compassionate terms of the lives, childhoods and families traumatised, torn apart and impoverished.

But even if that isn't the first thing to cross your mind, the cost of that huge opportunity-loss is mind-boggling. Tolerating this situation isn't good business, good management, or good leadership.

Disproportionate mental illness

A disproportionately high percentage of the people made ill in their own workplace don't suffer chemical spills, falls, physical injuries or other more visible accidents, they suffer from mental illness.

The brain is an organ, like any other. But because mental illness is not as immediately visible as a severed arm, we're not as shocked by it, which makes little sense.

In 2018 the Chartered Institute of Personnel and Development surveyed 1,000 respondents, and 860 of them reported having witnessed "presenteeism" at work.

That means people who were at work, quite possibly for longer than they needed to be, but were not productive. They turned up for their working shift but were zombie-like and zoned-out; or they were present for long after their shift finished because they feared losing their job.

Employers were paying for them to be around, as opposed to paying them to produce any measurable outcomes.

Right now, one in six workers is experiencing anxiety, depression or stress, and one in four will experience at least one of these by the end of the year.

If you take the construction sector as an example, there are 2.1 million employees, so 350,000 construction workers are suffering in this way right now, and 525,000 will do this year.

If you have the right culture, some of these folks will talk to their line supervisor or manager, but most of them won't. Some will talk to the Samaritans or a similar call-centre based organisation.

If you have a modern Employee Assistance Plan there will be some provision for counselling.

Mental health first aiders

If you're enlightened enough to have Mental Health First Aiders in your workforce, that may provide the most likely safety valve.

Some companies will have some of that, and some won't have any of it. But isn't it time we all woke up to the fact that mental health problems in our workforce are costing us a fortune, and we really should do something about it?

I've been working on a cutting-edge app for the last three years, designed to help by providing entirely anonymous text-based contact with Mental Health First Aiders.

I've already given some details in earlier editions of this magazine, but we hope to be in a position to share more comprehensive information very soon.

www.matesinmind.org

UKIFDA Expo – Liverpool

After an absence of almost 3 years UKIFDA is really looking forward to returning to Liverpool on the 27th & 28th April for the renamed UKIFDA EXPO 2020 & Future Fuels conference, where there is a particular emphasis on getting back together and the future of the industry.

The last few years have been difficult for everyone due to the Covid-19 pandemic, but on top of that the industry has faced particular challenges due to the net zero & decarbonisation target. However, despite not being able to physically get together, the industry has moved forward during this time and has made great advances in finding and conducting trials on reliable alternatives to fossil fuels.

So, what can we expect in 2022?

Firstly, representatives from across the industry always attend UKIFDA EXPO, including leading distributors, manufacturers, software firms and equipment suppliers.

Phillips 66 Ltd is the headline sponsor, which is fantastic as the company has been a big part of UKIFDA history. Many tanker/trailer manufacturers are also exhibiting and UKIFDA are delighted to see the return of favourites like Magyar, Road Tankers Northern and Cobo tankers & services as well as first time exhibitors Nursan Trailers and Road Tankers Armagh.

One of the wonderful things about UKIFDA EXPO is our very loyal exhibitors who return year-on-year, including: Alfons Haar, Collins Youldon, Greenergy, Harvest Energy, Mechtronic, Meller Flow Trans Ltd, Scully and Touchstar Technologies to name but a few – as well as new exhibitors that include: EW Fuel Management Ltd, Commercial Fuel Solutions Ltd, DTec International & Merkland Tank Limited.

UKIFDA EXPO 2022 & FUTURE FUELS
April 27th & 28th | Exhibition Centre Liverpool

Sponsored by PHILLIPS 66

Two-day conference

Secondly, built on the success of last year's virtual event, there is have a two-day Future Fuels conference, where leading figures from Government and the industry discuss the key topics relevant to our businesses.

This year's conference is sponsored by Crown Oil Ltd, winners of last year's Green Award. As 2022 will be a pivotal year for the industry with many government policy announcements expected, there will be a lot of interest in the topics and speakers planned.

The conference will take place in the seminar theatre inside the exhibition hall and there will be an option to view the conference virtually, should you not be able to attend.

Thirdly, no reunion would be complete without a chance to relax, network and let your hair down. We have replaced the drinks reception that normally takes place at the end of day one with an informal Awards Dinner which has been sponsored by Aon.

The dinner will take place upstairs on the terrace at ECL, with stunning views across the Mersey. Due to the size of the terrace, tickets will be limited to approximately 230 people. There has already been a fantastic response to the event, so make sure you book your tickets now (contact ds@ukifda.org for more information).

Finally, we will be launching our conference App again using the "Whova" platform.

The app can be used to enhance your visit to UKIFDA EXPO, engage with exhibitors and other visitors. More importantly it is free of charge.

The features of the app include:

- Interactive exhibition map
- Timetable of events
- Presentation schedule
- Diary feature - make appointments, arrange meetings, or set your personal agenda
- Document share & note taking function
- Icebreaker & competitions

As you can see, UKIFDA EXPO 2022 & Future Fuels is gearing up to the industry event of the year, a place to reunite and looking forward to the future of the industry.

To register to attend please go to https://ukifda.org/ukifda-expo/expo-registration/

UKIFDA EXPO 2022 & FUTURE FUELS
April 27th & 28th | Exhibition Centre Liverpool

UKIFDA
@UKIFDAEXPO
ukifda.org/ukifda-expo

Register to attend NOW by visiting: ukifda.org/expo-registration

For more information, contact the UKIFDA team on:
+44 (0)7860 773952 *or* visit ukifda.org/ukifda-expo

Looking to sponsor or exhibit at the show?
Contact Alison Dickson on: +44 (0)7946 379997

Sponsored by PHILLIPS 66

Directory of PEIMF members

A & G Group Ltd
01579 344503
www.aggroupltd.co.uk
Electrical and tank testing, supply installation and servicing of pumps

A & R Pavelin Transport Ltd
01268 270470
Distribution & collection of pumps and forecourt equipment

AbFad Ltd
0191 543 7166
www.abfad.co.uk
Tank linings, leak detection, rope access

Adler & Allan Ltd
01992 657400
www.adlerandallan.co.uk
Tank cleaning & lining, VR testing, fuel polishing, sampling & analysis. Spill response

Aidan Strain Electrical Engineering Ltd
02830 888861
www.aseeltd.com
Electrical & mechanical generator installation contractors

Air-Serv
01942 722333
www.air-serv.co.uk
Air lines, jetwash, vacuums, servicing, chemicals

Alliance Inspection
01244 952531
www.allianceinspection.co.uk
NDT & asset integrity inspections

Andel Ltd
01484 845000
www.andel.co.uk
Pollution control, tank & fuel maintenance

Ancorra Environmental Services Ltd
0151 546 3012
www.ancorraenvironmental.co.uk
Forecourt maintenance, tank & vessel cleaning, foam injection

Andrew Simpson Electrical Services
01772 616826
www.andrewsimpsonelectrical.co.uk
Electrical contracting, maintenance on hazardous areas

Arnold Diggle & Co
01229 582769
www.arnolddiggleandco.co.uk
Tank cleaning, oil depot decommissioning/ demolition & remediation

Baltor Systems
02890 603232
www.baltor.co.uk
Design, supply & installation of fuel equipment

Broham Forecourt Developments Ltd
www.broham.co.uk
01206 210 455
Specialist principal contractors in retail forecourt & commercial fuel installation

Berrys Technologies Ltd
0121 558 4411
www.berrys.com
MIDAS, OP, USpump spares, pipework, tank lid assembly, forecourt equipment

Bulk Meter Services Ltd
01233 740134
www.bms-ltd.com
Supply, install & service bulk meters & registers for fuelling applications

Membership code of ethics

In addition to our complete review of the PEIMF constitution, we have also had a team dedicated to reviewing and updating our members' code of ethics.

All membership renewals will be accompanied by this document, as all member companies are expected to agree with, and adhere to, these principles:

OUR AIMS AT ALL TIMES ARE:

- To provide the best possible service to our clients and customers.
- To observe superior standards of conduct in our dealings with clients, customers and peers regarding integrity, fairness and honesty.
- To maintain a strict duty of confidentiality of our clients' affairs.
- To acknowledge that contracts should be fair to all parties and, where appropriate, to settle disputes by voluntary agreement or impartial arbitration.
- To continually strive to achieve best practices and methods relevant to our industry.
- To provide superior quality leadership, materials and workmanship to the best of our ability.
- To undertake to share best practices and learnings with other members thus promoting our 'Working Together' philosophy.
- To show that, by virtue of membership of the Petroleum Equipment Installers and Maintenance Federation, the members have and do signify their commitment to the above principles.

Centaur Fuel Management Ltd
0870 757 6323
www.centauronline.co.uk
Installers of fuel pumps, tanks & fuel management equipment

Centre Tank Services
0121 351 4442
www.centretank.com
Fuel dispensing, storage tank and AdBlue equipment, Piusi products and Husky nozzles

Clarke Construction Services Ltd
01543 361636
www.clarkeconstruction.co.uk
Civils, tank and pipe installation and maintenance, knockdown/rebuild

Commercial Fuel Solutions Ltd
02380 231007
www.commercialfuelsolutions.co.uk
DSEAR specialist in fuel storage & handling systems, bulk metering, management, AdBlue

Cookson & Zinn (PTL) Ltd
01473 825200
www.czltd.com
Above & below ground fuel storage tanks and pressure vessels

County Pumps Ltd
01295 780746
www.countypumps.co.uk
Installation repair and service of fuel systems, pumps & fuel monitoring systems

C P Installations Ltd
01702 544442
www.cp-installations.co.uk
Tank & pipework specialists, electrical services, site maintenance, decommissioning

DM Petroleum Services Ltd
07836 587291
Pump & pipework installations, line testing

DMCS Ltd
01244 289161
www.dmcslimited.co.uk
Calibration of bulk liquid storage vessels

Dover Fueling Solutions
01695 52175
Fuel management solutions for independent, hypermarket and multinational.

Durapipe UK
01543 279909
www.plxpipe.co.uk
Manufacturer of plastic pipework systems

D R Forecourt Services Ltd
01691 610733
Installation of all equipment on petroleum/dispensing stations

E & S Environmental Services Ltd
01993 852419
www.eandsgroup.co.uk
Tank cleaning & testing, site maintenance, fuel services

EdgePetrol Ltd
0203 865 8689
www.edgepetrol.com
Software start-up providing real-time visibility to petrol retailers

Elaflex Ltd
01992 452950
www.elaflex.com
Forecourt dispenser nozzles & accessories

Equipe Environmental
01744 731462
www.equipeenvironmental.co.uk
Supply, install & test tanks, gauges, covers, pipeworks, pump spares

ETTS
01437 532511
www.etts.co.uk
Electrical installations, maintenance & testing

Eurotank Service Group
0800 311 2149
www.eurotank.eu.com
A group of forecourt engineering service companies

Falcon Fuel (N.I.) Ltd
028 3884 2639
www.falcon-fuel.com
Engineering services for tanks, gauges, pipework, pumps, POS, fuel polishing, tank cleaning

Fast Fuel Services Ltd
07743 362050
www.fastfuelservices.co.uk
Fuel tank & pump maintenance, installations and service contracts.

Fleetsolve Ltd
0151 353 2870
www.fleetsolve.com
Biofuel combined heat & power systems

Forecourt Installation and Maintenance
028 3885 1491
Pumps & equipment service & installation

Forecourt Solutions Ltd
01278 428833
www.forecourtsolutionsltd.com
Manufacturers of lightweight composite covers and containment products

Franklin Fueling Systems
028 3885 2870
www.franklinfueling.com
Pumps & equipment service & installation

Fuelcare Ltd
01743 360784
www.fuelcare.com
Fuel polishing, testing, sampling experts

Fuelcom
02890 410655
www.fuelcom.com
Install & maintain pumps, pipework, tanks & gauges. Plus risk assessment in Ireland

FuelMii
07917 644599
Fleet mobile refueling service

FuelQuip Ltd
0845 838 1048
www.fuelquip.co.uk
Suppliers of fuel management, pumps, tanks, gauges & alarms

Fuellink Systems
01698 841888
www.fuellinksystems.com
Manufacturers of commercial fuel management systems

Fuel Storage Systems Ltd NEW MEMBER
01226 753160
www.fuelstoragesystems.com
Installation and maintenance of fuel systems, including fuel pumps, tanks and gauges

G.A.W. Washes
01566 781786
www.gawwashes.co.uk
Supply/service jet wash, vacuums, air towers & chemicals. Profit share & outright purchase

Gilbarco Veeder-Root
01268 533090
www.gilbarco.com/eu
Pumps, commercial and AdBlue dispensers, gauges, POS, OPT, service & maintenance

Greenchem Solutions Ltd
07793 258876
www.greenchem-adblue.com
AdBlue and AdBlue tank manufacturer

GripHero Ltd
01752 875640
www.griphero.com
Design, manufacture and supply dispensers of disposable hand protection on forecourts

GSS Training Ltd
0161 926 9510
www.gsstraining.co.uk
Health & safety, environmental and business training, inc. SPA passport & risk assessments

GT Forecourt Solutions Ltd
01268 780109
enquiries@gtforecourt.com
Forecourt maintenance, construction, pipework installation

Hazardous Area Technical Training
07484 517059
www.hatt.uk.com
H&S training & advisors, SPA passports, IOSH & confined space training

Continued on page 50

Continued from page 49

Htec Ltd
02380 689200
www.htec.co.uk
Epos, payment & loyalty solutions, back office, head office, installation & maintenance

Hunter Fuel Solutions
07766 807645
Fuel system installation, maintenance and servicing

Hytek (GB) Ltd
01279 815600
www.hytekgb.com
Fuel dispensing & management, lubrication products

Ideal Tanks & Pumps Ltd
01604 843359
admin@idealtanksandpumps.co.uk
Supply, maintenance & installation of tanks, pipes. Tank cleaning & decommissioning

IMF Solutions
07825 703936
www.imfsolutions.co.uk
Tanks, pipeworks (plastic welded, steel, mapress), SGB Class 1 monitoring systems, tank lining, coating, inspection and repair, tank, gauge installation and maintenance

Industrial Services
01334 838793
www.fuelworking.co.uk
Fuel equipment supply service and maintenance

Istobal UK Ltd
01299 826967
www.istobal.co.uk
Install, maintain & repair forecourt valeting equipment

Jackaman Ins Services Ltd
01474 557427
www.jackamaninsurance.co.uk
Specialist insurance services to the petroleum industry

James Blake & Co (Engineers) Ltd
0131 554 1646
www.blakegroup.co.uk
Storage tank manufacturers and steel fabrications

Judvia Construction Service Ltd
01594 806980
www.judviacs.com
Forecourt branding specialists, accident repairs and new companies

J W Hinchliffe (Tanks) Ltd
0113 263 5163
www.jwhtanks.co.uk
Tank cleaning, removal and disposal services

KC Pro Supply
01792 224003
www.kcprosupply.com
LPG installation & maintenance, inspections, calibrations, training and decommissioning on forecourts throughout the UK

Kidderminster Petroleum Services Ltd
01562 861636
www.kidderminsterpetroleumservices.com
Petrol forecourt Installation, maintenance and service

Ledbury Welding & Engineering Ltd
01531 632222
www.lweltd.co.uk
Bunded tank manufacturers, SuperVault modular filling station

Lees Industrial Services Ltd
01942 722244
www.leesindustrialservices.co.uk
Tank and Pipeline decommissioning using BritFoam, a resin based hardfoam

Leighton O'Brien
07377 360206
www.leightonobrien.com
Wetstock management services, tank testing /cleaning & fuel polishing

LCM Environmental
0808 1644 570
www.lcmenvironmental.co.uk
Fuel testing, polishing & uplifts; tank cleaning, installation

L.I.S (North Western) Ltd
01942 722244
www.lisgroup.co.uk
Tank cleaning, product transfer, tank removal, interceptor cleaning

LS Forecourts Ltd
07921 392577
www.lsforecourts.co.uk
Pumps, pipes, tanks, gauges, sales, service, installation and repair

M&E Services (NI) Ltd
02830 878259
Installation of diesel generators, remote fuel tanks and pipe work, DC control systems. Commissioning generator and fuel control systems

M & Co Construction
01299 890348
Drainage specialists, groundwork and civil engineering

MDM Services (Cardiff) Ltd
01633 277277
www.mdmservices.co.uk
Installation and maintenance of forecourt and commercial fuel products

Merridale Ltd
01902 870037
www.merridale.co.uk
Fuel management systems for commercial diesel supplies

Merkland Tank
0141 440 6130
www.merklandtank.co.uk
Storage Tank Cleaning and Maintenance Services throughout the UK

Northern Pump Distributors
01924 275318
www.npd.uk.com
Forecourt installations & associated services

North West Pumps Ltd
01942 927219
www.nwpluk.com
Pump servicing, installation & maintenance. Gauges, POS configuration, vapour testing

Nupi Industrie Italien S.p.A
07736 751161
www.nupigeco.com
"Smartflex" complete multi-layer pipe system

OAMPS Hazardous Industries
01372 869700
www.ohes.co.uk
Specialist insurers for the petroleum industry

O'Connell Site Services
0151 546 9888
Tank installation, demolition, decommissioning, pump calibration

Octane Holding Group
0113 201 2460
www.octane.uk.com
Pumps, tanks, environmental and technical services

Oil Tank Supplies Ltd
01386 853409
www.oiltanksupplies.com
Fuel storage systems including hire and industrial tanks

On The Level
0780 0731489
www.ontheleveluk.co.uk
Installation & service of tank gauges, DCDs and associated equipment

OPW
01756 799773
www.opwglobal.com
Manhole covers, underground enclosures, tank & dispenser sumps

Panks Engineers (Castle Hill) Ltd
01603 620294
www.panks.co.uk
Water specialists, dirty water, bore hole drilling, treatment and installations

Pennine Pump & Tank Company
01254 679099
www.penninepump.co.uk
Pumps, fuel management systems, tank, pipe and electrical testing

Petroassist
0131 440 5810
www.petroassist.uk
Fuel dispensers and forecourt technologies

Petrol Sign UK Ltd
01302 346968
www.petrol-signuk.com
Supply & install brand signage, sister company to Global MSI

The Petrol Tank Company Ltd
01283 820213
www.thepetroltankcompany.co.uk
Manufacture small above ground petrol tanks

Petrotec
01442 219733
www.petrotec.uk
Distribution of fuel dispensers, car wash equipment, fleet management systems

PFS Fueltec Ltd
01376 535260
www.pfsfueltec.com
Specialist suppliers of fuel equipment to contractors owners/operators

Power Post Ltd
0800 085 6746
Petrol pump services and suppliers

Premier Forecourts & Construction
01792 310600
www.premierforecourtsandconstruction.com
Specialists in PFS fuel systems, construction & maintenance

Project-A International Ltd
07785 570185
www.project-a.uk
AdBlue consultancy, project management, compliance auditing, process engineering and environmental management

Propel Finance plc
01633 415222
www.propelfinance.co.uk
Specialist asset finance in the forecourt and convenience market

Protego UK Ltd
01543 420660
www.protego.com
Safety valves and tank accessories

Pumpwatch Ltd
00353 458 92155
www.pumpwatch.ie
Carbon fibre test measures for checking the accuracy of fuel dispensers

Risbridger
0845 644 2323
www.risbridger.com
Forecourt products to protect the environment and make forecourts safer.

R M Pumps (Cumbria) Ltd
01768 892444
Forecourt maintenance, installation, decommissioning & servicing

Safefill
01782 414526
www.safefill.co.uk
Suppliers of refillable LPG cylinders

Scotia Forecourt Services Ltd
01382 828576
www.scotiaforecourt.com
Manufacturing, refurbishing, and servicing forecourt valeting equipment

SDM Fuel Solutions
023 8063 4746
www.sdm-fuelsolutions.com
Engineering services, fuel sampling, cleaning, uplifts, emergency response

Southern Tank Services Ltd
01722 714514
www.tankservices.co.uk
Domestic & industrial oil tank replacement, removal and general services. Fuel polishing, water services

South Midland Installation Ltd
01296 422039
www.smiltd.com
Design & build tank and pipe installations, pipelines, decommissioning

SR Electrical Services Ltd
01562 750804
www.srelectrical.com
Design, install, test & inspect electrical systems in hazardous areas

STA Technical Ltd
0203 004 9326
www.statechnical.com
Bespoke engineering specialists for the forecourt industry

Suresite Group Ltd
01772 790901
www.suresite.co.uk
Providing health and safety (risk assessments and compliance audits) card processing, training & wetstock services

T.P.I (Ireland) Ltd
0771 5207168
www.tpi-ni.co.uk
Pump & tank installations, tank / pipeline testing, decommissioning and maintenance

Tanks & Pipework Ltd
01474 855587
www.fassuk.com
Tank / interceptor cleaning, inspection, relining. Fuel polishing, uplifts, transfers

TLM Technologies
0330 4339 620
www.tlmtechnologies.co.uk
New Tatsuno dispensers, OPT supply and support, tank gauge sales & maintenance, meter calibration, pump maintenance/refurbishment

Toureen Retail Ltd
0208 424 7999
www.toureenretail.co.uk
Specialists in PFS construction, fuel systems, fit out maintenance, groundworks & signage.

Transflo Instruments Ltd
0844 257 8181
www.transflo.co.uk
Fleet fuel management systems, including pumps, gauges and software

TSG
0333 015 3001
www.tsg-solutions.com/uk
Tokheim & Wayne Dispensers, Karcher Car Wash, EV Chargers, EPOS, Hydrogen/CNG Equipment

The Triscan Group
0845 225 3100
www.triscansystems.com
Onsite commercial fuel management solutions, including tanks, pumps, gauges & software

United Pipework Services Ltd
01922 722737
www.united-pipework-specialists.co.uk
Forecourt construction & pipework services

Vectec Ltd
01296 624548
www.vectec.co.uk
Diesel fuel dispensing, storage & management

Western Forecourt Services
01446 736900
www.wales-and-west.co.uk
Supply, installation, maintenance of fuel dispensing equipment. Contract service work

Western Global Ltd
01454 227277
www.western-global.com
Manufacturers of static and transportable above ground storage tanks

Westfield Services (UK) Ltd
01924 477324
www.westfieldservicesuk.com
Contractors for pumps, pipework, electrical and building work

West Fuel Systems Ltd
NEW MEMBER
01709 296767
www.westfuelsystems.co.uk
A comprehensive & professional fuel system installation & maintenance service

Worcester Petroleum Services Ltd
01905 620053
Forecourt, commercial, marine, petroleum installations and servicing

Yara UK Ltd
01472 889250
www.yara.co.uk
Suppliers of the Air1 AdBlue Solutions

THE SIN BIN

No longer PEIMF members:
Orbis Tech Ltd

OPW 21 Series Nozzle

European Style. World-Renowned Quality.

Designed For Petrol, Vapour Recovery, Diesel & AdBlue.
A True Quality Handshake With Your Customers.

CONTACT OPW TO LEARN MORE:

www.opwglobal.com/21
enquire@opwglobal.com
+44 (0) 1756 794 963

OPW
a DOVER company

TÜV