

A unique industry, with unique companies and unique news

elements

In this issue:

Announcing the winners at CNW Awards 2019

- Testing UK REACH IT
- Expansion at Libra
- Emergency response services



Supporting sustainably safe and profitable operations.

Most would agree that good business performance is linked to good operational and process safety performance, built on sound practices and procedures.

At HFL Consulting, we provide a unique blend of leadership, management, consulting, engineering and training services, that makes us the natural partner of choice for many of the UK's most prominent chemical manufacturing and chemical using companies.

Find out more about how we can help improve your performance.

T 0161 304 5902 **E** info@hflconsulting.uk **W** hflconsulting.uk

People Plant Process Productivity

elements is published by
Chemicals Northwest
The Innovation Centre
Sci-Tech Daresbury
Keckwick Lane
Daresbury
Warrington
WA4 4FS

The Chemicals Northwest Team is:

John Roche

Operations manager
Email: RocheJ@cia.org.uk
Mobile: 07885 831615

Alex Abraitis

Member service & events manager
Tel: 01925 607050
Email: alex.abraitis@chemicalsnorthwest.org.uk

Advertising sales: John Roche
Email: RocheJ@cia.org.uk

Designed and Printed by:



2co Limited

www.2-co.com
Email: info@2-co.com

CIA | Chemical
Industries
Association

Chemicals Northwest is part of the
Chemical Industries Association

Disclaimer

Chemicals Northwest or 2co Limited cannot be held responsible for any inaccuracies or errors that may occur, individual products or services advertised or late entries. No part of this publication may be reproduced or scanned without prior written permission of the publishers.



Sponsor

This edition is sponsored by RAS RISK & HAZARD MANAGEMENT

Contents Spring 2019

4 Welcome and About us

7 From our members

- Libra's new betaines manufacturing plant
- RAS - Making a difference with process safety leadership
- XCellR8 partners with The Body Shop on non-animal testing
- The ACTA Group - Impact of EPA amendments on TSCA inventory for chemical importers
- New best practice whitepapers issued by BPE
- Smithers Viscient appoints new MD
- STFC supports Chemical Intelligence in waging war on superbugs
- Symmetry Law - Delayed changes to OPRA replacement, CCS

11 CNW 2019 Awards

17 Events

- Brexit – guidance for “no deal”
- REACH – testing the new UK REACH IT system
- CNW returns to Catalyst to hear about new projects

27 Spotlight

- Envigo
- Derwent James
- AB Risk
- Vynova
- RMG
- Studley Engineering

31 Directory

Membership

Would your company benefit from joining an organisation that supports and promotes the chemistry-using sector in the Northwest? Do you want to understand more, and contribute to, the industry issues within the region?

If you are a manufacturer, chemical user or offer products and services to the sector, why not join us today? See over for details or please contact:

Alex Abraitis - Member services and events manager
alex.abraitis@chemicalsnorthwest.org.uk or visit:

www.chemicalsnorthwest.org.uk/membership/membership_benefits/

2019 - 2020 rates

Micro corporate membership (1 - 10 employees)	£434+VAT
Standard corporate membership (11-100 employees)	£755+VAT
Large corporate membership (100+ employees)	£961+VAT

Our membership year runs from 1 April to 31 March. A pro-rata basis usually applies to joining at other times in the year and we'd be happy to discuss on application.

Welcome

It's that time of year again! What a night on 28 March when 11 accolades were issued to great success stories from the chemicals sector in the northwest. A closer look at the winners is included in this issue and we thank our sponsors for helping us stage the 2019 dinner at the Imperial War Museum North. We sincerely hope all guests enjoyed the evening.

The dinner of course occurred 24 hours before the original date of the UK leaving the EU. After many months and years of uncertainty the deadline has been deferred and 'no deal' is still a possibility. The Government has already produced some 'no deal' guidance for the public and businesses and in future editions of elements, we will highlight developments and experiences of members.

Over recent months Government departments have held a series of stakeholder events around the country, very popular as they were, we will continue to help the key departments share their feedback with member companies. REACH and Brexit overlap closely and both CNW discussion groups met earlier in the year to hear updates on political and economic developments, as well as feedback on the UK REACH IT system.

The new UK Chemistry Council was launched in London last November. Formerly known as Chemistry Growth Partnership, innovation, energy and supply chains, remain top priorities and the Council's plan is to submit a new sector deal to government later in the year.

Some good news also for CNW members as NCEC announces a discount on its telephone-based emergency response services, see page 24.

As we continue into the 21st year of CNW, we thank all for your support and look forward to working and engaging with all our members. As always we welcome any feedback you wish to give and any ideas you may have for improvements.

Visit Chemicals Northwest at UK Chemical Industries Expo & Conference "CHEMUK 2019" 1 and 2 May 2019 at Harrogate. Why not join us and find out more about our network and how your business can benefit. See page 19.

John Roche - Chemicals Northwest

About us...

Chemicals Northwest is an established business network wholly owned by the Chemical Industries Association.

With around 160 members we actively promote this important regional sector and our objective is to help membership to grow through;

- **facilitating** networking events, common interest groups and interactive workshops, all aimed at covering topical industry issues.
- **supporting** projects and programmes that identify and enhance business performance and generally support continuous improvement across the sector.
- **promoting** science and engineering based skills, helping to address the region's future needs.
- **improving** the image of the industry overall, including generating a positive reputation, through communicating achievements and success.
- **contributing** to the industry's strategic voice and the national growth agenda aligned to the work of the Chemical Industries Association.
- **connecting** the community of chemistry-using businesses and the vital supply chains here in the Northwest.

Chemicals Northwest really does bring people together! It is an essential feature of successful networking strategies used by many organisations. We coordinate a range of meetings and events to enable 'face to face' networking for the benefit of all members. Every successful business networking organisation also needs effective communications channels.

As a result of gradual development over recent years, getting messages across, promoting member companies and reporting news, Chemicals Northwest has reached new levels of topicality and quality. Here are the the main features and benefits of membership...



Annual Awards Dinner - During the annual CNW awards programme we are privileged to witness the many achievements made in our local sector. Culminating in a great night of celebration each year's awards are a fantastic way your company can support the region's chemicals sector and help raise your own profile. Up to 300 guests from across the industry gather on the night and everyone can see for themselves the amazing achievements made by our people and organisations.

"Focus 50" - This recently named series of seminars and networking events is becoming ever more popular.

Over the years CNW has focused on a range of highly topical and relevant business issues. Technical, regulatory and operational insights have been delivered by experts in their fields. These events ensure good practices are shared and all gain new knowledge. As businesses get to grips with the changing landscape there will always be new issues for members to analyse.



Breakfast Networking - Chemicals Northwest is gaining a growing reputation for high quality breakfast networking events. With no specific theme, delegates are encouraged to make new contacts and some will make short pitches about their company, its products and services plus news announcements! The breakfast meetings have proved to be very popular and currently run on a 2 monthly basis attracting an average of 40 people each time. New contacts can lead to new opportunities and new business. All are welcome.

Common Interest Groups - Chemicals Northwest's **REACH** group has followed closely the developments within this complex and long term piece of legislation. The initiative allows the sharing of experience, best practice and knowledge between manufacturing, supply chain and support service providers, all with a keen interest in REACH. The group meets three times a year and now has a membership of over 50 companies.

CNW started the **Brexit** user group straight after the referendum in 2016 and it is gaining more and more support from membership. Whilst there is still uncertainty, many businesses will be looking to the future impacts, so we are enabling all interested parties to meet and discuss in more detail their common issues and concerns. Up to date information, expert insights and reports form the basis of each agenda, which will run parallel to the national work carried out by CIA.

elements magazine - CNW produces an informative quarterly magazine called elements which contains the latest round up of member news, specialist features and 'spotlights' on new member companies. This is a great opportunity to establish an association between your organisation and important sector issues, by contributing free editorial and press releases. Companies who do business in the chemicals sector may also wish to look at advertising options. The CNW sector directory is now integrated into elements.

Website - Visits to the CNW website have almost doubled in the past 12 months. The website is regularly updated with industry news and the events programme. Companies are increasingly using it for enquiries and advertising. There is an efficient "e-shot" function which allows direct messaging to our contacts list. Viewers of the directory pages can search the whole of our supply chain providers to find where to buy products and services.

LinkedIn - The Chemicals Northwest LinkedIn group was created in the latter half of 2010 and has an ever increasing membership, with over 1300 members now connected. The group provides the opportunity for chemical industry professionals to share ideas and knowledge.

Twitter - The CNW Twitter account is growing, so to hear about the latest news from CNW and the wider sector, why not follow us.

In addition we'd be happy to re-tweet any news or updates that members themselves tweet.





Our Strategy for delivering chemistry-fuelled growth of the UK economy was launched on 15 November

KEY MESSAGES

Our revised strategy – **Sustainable Innovation for a better world** – shows how the UK can accelerate a ‘Create and Make’ culture. **Creating** world class innovation and **Making** the next generation of products and solutions.

- In the not too distant future, products that respond to the sustainability challenge will be the preferred solutions for all, representing a golden opportunity for our sector.
- We will commercialise our sector’s innovation, reinforce our supply chains and develop our regional presence and infrastructure to strengthen the UK economy and deliver benefits for society.
- Working with Government and others, we will develop solutions to the grand challenges of:

Future of mobility | Clean growth | Ageing society | Artificial Intelligence and Data

Contact Simon at MarshS@cia.org.uk for more details

First shipment of betaines leaves Libra's new, state-of-the-art, multifunctional manufacturing plant

The first shipment of Cocamidopropyl betaines (Librateric CAB 30) has now left Libra Speciality Chemicals' new state-of-the-art, multifunctional manufacturing plant, bound for export markets in Africa.

Having recently opened in Manchester, UK, Libra's dedicated plant is now manufacturing a new series of 30% and high active betaines, serving its global customer base with a broader offering of top-quality amphoteric surfactants. Over just 18 months, the multi-million-pound plant has been designed and built to include a distillation column and two custom-made alkylation reactors – one of 35,000 litres and another (which is unique to Libra) of 60,000 litres. This set-up equips Libra with an impressive production capacity of over 32,000 t/pa of amphoteric surfactants, supplied in either 200 kg drums, 1,000 kg intermediate bulk containers, or full-bulk tankers, in line with customer requirements.

The new range of Librateric products offers everything that might be expected from a top-quality betaine – stability over a wide pH range; compatibility with anionic, non-ionic and cationic surfactants; and high-foaming capabilities (even in high-electrolyte solutions) – all at a competitive price, and with market-leading manufacturing and sustainability standards.

Libra CEO Graham Royle said: "This

first shipment from our new plant is a landmark moment for Libra, and for the UK chemical manufacturing industry as a whole. I am extremely proud that we continue to drive innovation and investment in the local chemical industry, while maintaining our reputation for combining market-leading quality with the world-class service that our global customers have come to know and expect."



Find out more...

Explore the benefits of Libra products or request a technical data sheet by contacting the Libra team:

- o Enquire online
- o Tel: +44 161 775 1888
- o Email: sales@librachem.co.uk

Visit Libra Speciality Chemicals Ltd online at www.librachem.co.uk

Chemistry Council launches strategy

Delivering innovation-based growth is at the heart of the Chemistry Council's new strategy for the chemicals sector, which was launched on 15 November 2018.

The UK Chemistry Council, jointly chaired by Steve Foots, the Chief Executive of Croda International plc and Business & Industry Minister, Richard Harrington, has published a new strategy "Sustainable Innovation for a better world".

Drawing on unique UK strengths in the field of innovation and linking it to the Industrial Strategy, the chemical industry sets out a series of proposals to form the basis of an agreement with Government on the way forward.

The strategy targets a 50% increase in production, increases in turnover, in exports and annual investment climbing by 68%. On top of this, the industry sees a 35% climb in jobs, ensuring a great future for this vital sector.

Business & Industry Minister Richard Harrington said "This is a great example of our modern Industrial Strategy in action. Chemicals is one of the largest manufacturing sectors in the UK, generating billions for our economy and we are determined to put the sector on course for growth".

Croda International plc Chief Executive, Steve Foots said "I passionately believe in the UK's innovation strength. As we look to capitalise on our knowledge based economy, we will deliver a world class 'create and make' culture".





RISK & HAZARD MANAGEMENT



"We cannot solve our problems with the same level of thinking that created them." Albert Einstein

Understanding and facilitating the effective management of risk is our core business. Our expertise covers the full range of risk assessment and management services across:



Safety Risk



Business Risk



Environment Risk

Only when the risk facing an organisation is well understood can it be effectively managed. Key to the successful identification, assessment and management of risk is engagement with the right people, using the right processes at the right time. We believe we are different to many of our competitors and our approach is distinctive, we don't always walk the well-trodden path but look at each client's particular risk context and develop a tailored solution, working in partnership with our client.

We work across all aspects of risk, from Quantitative Risk Assessments and Predictive & Consequence modelling, through to the 'softer' risks which may affect an organisation's reputation.

Making a difference with process safety leadership

We wrote last year that 2019 was to be the year of leadership and shared a handful of key messages that organisations should bear in mind as the topic is brought into focus. Now, as the regulatory year is edging closer, we explore how the principles of process safety leadership can be used to improve safety not just within an organisation, but throughout industry as a whole.

November last year saw the launch of 'Solutions for Our Future', a programme about the UK's chemical industry produced by the Chemical Industries Association in partnership with ITN Productions. RAS Ltd were lucky enough to be involved and used the opportunity to deliver our message on leadership, focussing on four key themes that should help organisations embed the principles of leadership into their operations. The principles start within the organisation, but it is important to appreciate how our combined efforts will create a safer industry.

Managing process safety hazards

The decisions of leaders have a direct impact on the safety of their establishment. Without an understanding their major accident hazards, leaders cannot allocate the right resources or instil a culture that prioritises safety.

With this in mind, organisations should ask themselves how many people on their board know about process safety management, and how confident they are that the depth of their knowledge allows safety to be at the root of all decisions. A competent leader who understands the hazards at their establishment and how the PSM system links together will appreciate that productivity is a by-product of safety. When you invest in safety, you invest in equipment integrity, wellbeing and morale and high reliability processes; pillars of successful operations.

Monitoring performance

Making investments in safety is most effective when focussed in the right places; places which will inevitably change over time. The key to prioritising is collecting data on how existing people, plant and processes are performing. A tiered approach considering process areas at a high level right down to plant items that are individual barriers can provide a clear picture. Being transparent and reporting results to the right people will secure the focus of those who can make a difference.

A Board member will need to know where the big investments should be made, but an engineering manager can make an immediate difference with inspection results from their plant area.

Publishing performance details

The paragraph above illustrates that what is being measured is being managed, but this doesn't just apply internally. Sharing and collaboration is a key principle of leadership, and publishing details on performance creates a benchmark; something that will drive improvement forward by sharing ideas and lessons learnt. Associations like the CIA and TSA enable us to talk more openly with government, the regulator and our peers. It doesn't have to be a mechanism for naming and shaming; good results boost the confidence of the public, the regulator and stakeholders, encourage engagement and increase morale.

Sharing best practice

When people work together, they can draw attention to issues and be the starting point for change. Sharing best practice through trade associations like those named above can result in the regulation, standards and guidance that facilitate a consistent approach across industry; one that works practically for operators. Beyond this, what can we learn from other sectors? The principles of risk are the same no matter what the industry is, and it is worthwhile considering how lessons from others should be implemented.

Furthermore, industry and academia have much to gain from one another. The latest knowledge from academia can be applied in practice by the operator. For example, what insight can psychologists provide to safety culture and behaviour, and how can software engineers help us to streamline operations and improve on safety? Embracing the work of others gives us the best chance to drive the industry forward.

The year of leadership is an opportunity not only to inspire even greater standards of process safety management, but to create a cross-sector culture that incorporates safety into existing systems and to demonstrate why the UK's chemicals sector is something to be proud of.

Authors: Carolyn Nicholls (carolyn.nicholls@ras.ltd.uk) & Jennifer Hill (jennifer.hill@ras.ltd.uk)

XCellR8 welcomes partnership with global beauty brand

The Body Shop has appointed XCellR8 to provide the company with skin and eye irritation tests for cosmetic ingredients and formulations across The Body Shop's product portfolio.

Celebrating their shared visions to be a force for good, both companies firmly believe there is no scientific requirement for animal testing in the beauty industry. XCellR8 is the only lab globally to make its tests entirely animal-product free in a regulatory environment; eliminating all animal components from their tests.

Together with The Body Shop the companies are also working together to lobby for a worldwide ban on animal testing. Most recently, XCellR8's founder, Dr Carol Treasure attended the UN's 18th general assembly with The Body Shop, to speak at an event during the SDG Media Zone. The UN is working to achieve 17 Sustainable Development Goals (SDGs) and the team spoke on the topic of #SDG12 – Responsible Production and Consumption. As one of The Body Shop's testing partners, XCellR8 was able to explain how animal-free safety tests have now become the default choice thanks to scientific innovations in human cell culture techniques.

Jason Matthews, International Director of Regulatory at The Body Shop International commented on the appointment: "The Body Shop has been campaigning against animal testing in cosmetics for more than 30 years, and we are pleased that since the EU ban, there's been great industry progress in animal-free alternatives.

We've recently started working with XCellR8 because it's an innovative, women-founded, British, animal-free testing business. We both share a strong commitment to animal testing alternatives and we're passionate about the scientific and ethical advances in this field."

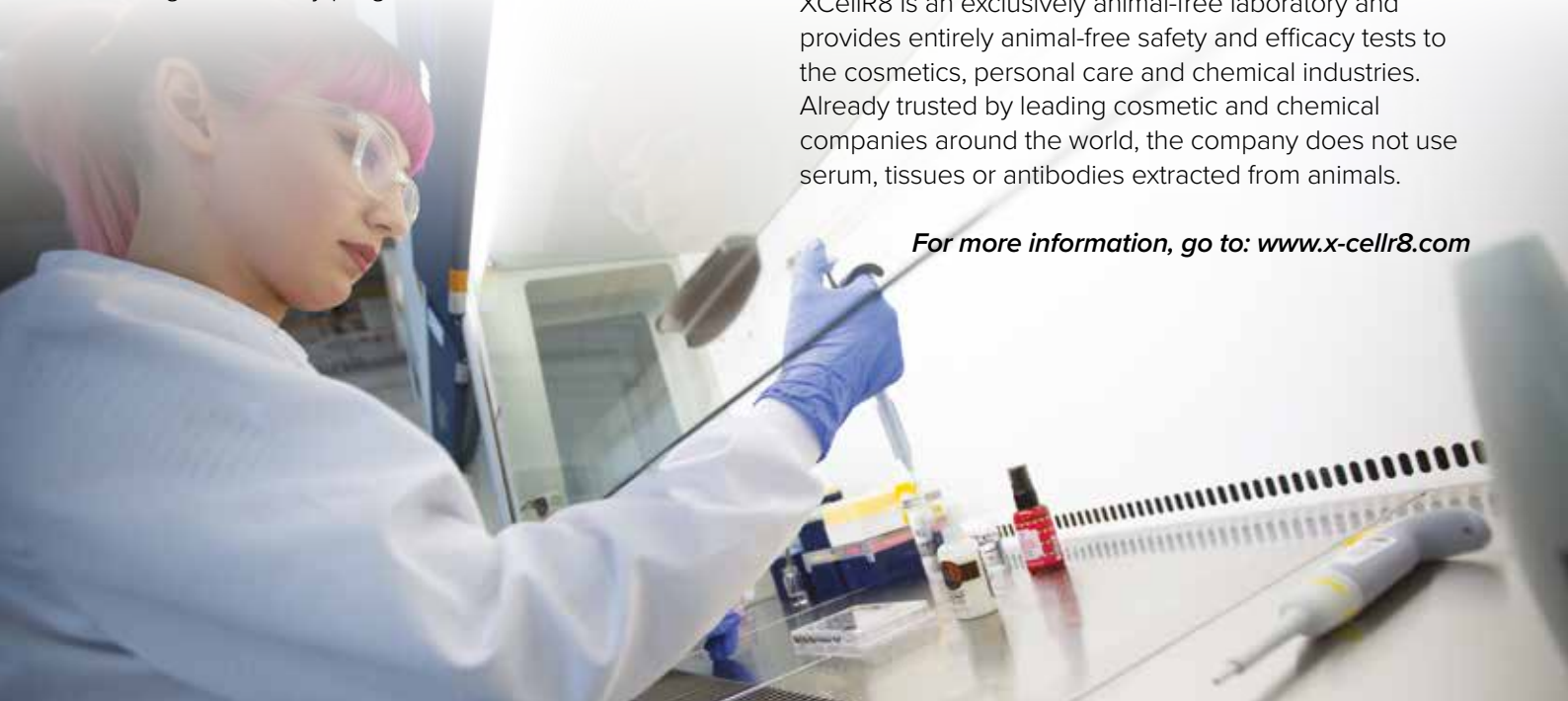


Founders Dr. Carol Treasure and Bushra Sim

Dr Carol Treasure said of the partnership: "Our aim is to become the global leader in animal free testing. Our in depth, academic understanding of physiology and how chemicals react with the body, mean that more accurate and reproducible results are achieved when tests are conducted on human skin cells instead of animals. Partnering with The Body Shop has been the icing on the cake of a fantastic year for XCellR8 and our continued investment in innovation, research and development keeps us at the forefront of cosmetic science."

XCellR8 is an exclusively animal-free laboratory and provides entirely animal-free safety and efficacy tests to the cosmetics, personal care and chemical industries. Already trusted by leading cosmetic and chemical companies around the world, the company does not use serum, tissues or antibodies extracted from animals.

For more information, go to: www.x-cellr8.com



Chemicals Northwest Awards 2019

celebrating success in the region!

The ninth Chemicals Northwest Awards dinner took place on the 28 March 2019 at the Imperial War Museum North in Manchester. The annual awards programme is open to all organisations and once again we had a fantastic response with some excellent entries from around the region. Our entertaining host was broadcaster, actor and former Masterchef champion; Alexis Conran.



Stephen Elliott CEO of Chemical Industries Association and chair of Chemicals Northwest welcomed all guests to the event and in his speech he reminded everyone of the imminent challenging times for our sector, this region and for the country;

“I am always proud to visit this region and my

job brings me here most weeks. Proud of the contribution of our sector, of each business and each workforce. Yes, these are challenging times for our sector but, as evidenced by all of you here tonight... every year sees our industry respond to those challenges.”

In relation to Brexit Steve added:

“Much of our focus over what has now in fact been the past four years - before, during and after the referendum - has been about Brexit. Well I can tell you that our sector and this region has from the day after the referendum called for three things: tariff-free, frictionless trade; regulatory consistency and access to skilled people.”



“Now if there is a bonus to all that seemingly unproductive use of time and energy, it is that this industry

is now firmly at the top of the Brexit agenda. We are quoted at least weekly in Parliament, sometimes daily. We have a Chemicals Exiting the European Union Body that has three Government Ministers and industry leaders, addressing our key priorities.

The challenge ahead is, of course, to build on that profile - both for the future Brexit negotiations and for all our other issues that affect the competitiveness of our trade and investment. Especially a meaningful Industrial Strategy for our sector. And we will. But the hard work on Brexit has not even started. Wherever we end up - hopefully in the next days - it is what follows that really matters. This is where our three issues - tariffs, regulation and people - need to be part of the future relationship with the European Union. This industry, everyone here tonight and beyond, needs to be ready - sometimes at extremely short notice - to support the negotiators in getting this future relationship right.

While it feels like Brexit is the only job each day, we have actually done much more at regional and national level, with Chemicals Northwest playing a key role in our work to grow the sector. These are exciting as well as challenging times and the newly formed national Chemistry Council - under joint ministerial/business leadership - is now looking to build on its' recently published growth strategy by placing innovation at the heart of a transformational sector deal investment partnership between government and industry. Northwest chemical and chemistry-using businesses will rightly be at the heart of these projects, reflecting the region's consistently strong performance, with an innovation spend of over £3 billion each year.”

The ceremony proceeded with the winners announced as follows:

The **'Manufacturing company of the year'** award, sponsored by **Biochemica UK Ltd** was won by **Bitrez Ltd**, Standish. Bitrez has developed 'Curaphen' as an alternative to 'Bisphenol A' based on cutting edge chemistry that meets regulatory guidelines. From early process development to full commercialisation, the new product is providing safer specifications and sales in many packaging applications worldwide. The result has been a doubling of UK manufacturing capacity and a move to 24/7 operation.



GSK, Ulverston was the winner of the **'Health & safety'** award, sponsored by **Livent**. A comprehensive collection of health & safety improvements



that has enabled the Ulverston site to take its performance to a new level. Examples include enhanced; root cause analysis courses, loss of containment indexing and change control processes.

The **'International trade'** award was presented to **Libra Speciality Chemicals**, for a new strategic approach to exporting as the company has fundamentally changed the way it works with existing customers. More face to face relationships and country-based regulatory and trade support, has led to new business and a 25% increase in the number of overseas markets.



SRG sponsored the Young talent in the chemical industry award, which because of the very high calibre of nominations was re-shaped into two separate categories.

Chemical engineering graduate **James Chatterton** of **Libra Speciality Chemicals Ltd**, won the **'Young Talent in a Technical Operations role'** award. James took on



All our 2019 Chemicals Northwest Awards Winners!



a senior operations role early in his career, overseeing the design, construction and commissioning of a new plant at the Irlam site. He has added business value through effective cost management and proactive contractor engagement.



As EHS apprentice **GSK's Lois Viney**, won the award for **'Young Talent in an Operations Support role'** playing a leading role in building a structured health, safety & environment performance monitoring system at Ulverston and supporting senior management in ensuring products are REACH compliant.



Mark Carter is a research & development chemist at William Blythe and he received a 'highly commended' in this category. Mark also made an immediate impact by developing a production route for a new product requested by a customer. This new processing technology for which Mark has become a global expert, has led to the company becoming market leader.

Simon Hargraves, IT manager at Hibiscus plc received a 'highly commended' in this category for the development of novel Safety Data Sheet software. This



makes document production easier and quicker for manufacturers, as well as the production of datasheets for delivery to international poison centres.



Marks & Clerk LLP sponsored this year's *'Innovation'* award which was won by **William Blythe Ltd**, Accrington. The company carried out a strategic review of the way they approached innovation. A significant cultural change based on more customer-focused innovation and assisted by additional investment in R&D resource, have helped the company achieve sustainable financial success.



The *'Charity of the year 2019'*, sponsored by **Valtris Specialty Chemicals** went to **Catalyst Discovery Centre**, Widnes. This was for a major re-invigoration



of an established science education and industry heritage centre. The new vision uses informal science learning to attract underserved and under-represented audiences, from those

experiencing mental health difficulties and dementia to deprived school children who wouldn't otherwise have the opportunity.

Veeva Systems UK sponsored the *'Operational excellence'* award and in winning it for the third year in a row, **Vertellus Specialties**,



Widnes has demonstrated the importance of continuous improvement in its business operations. Operational improvements over the past year included: optimisation of a crystallisation system, more reliable safety critical equipment and cost savings through improved LEAN work flows.

The *'Sustainability'* award sponsored by **INOVYN** went to **Peak42 Ltd**, Daresbury.



It was awarded for a case study that involved a partnership approach to employing the concepts of Industry 4.0 and Big Data analytics to an existing chemical process for the

initial purpose of compliance with the Industrial Emissions Directive. Peak42's innovative process control software enhanced the human/process interface resulting in safety risk reduction and the elimination of off-site waste disposal.

'Engineering firm of the year', sponsored by REACHReady was won by **Studley Engineering & Electrical Ltd**, Liverpool. Building



on last year's win the company has broadened its engineering capabilities and range of services to the chemical industry. Combining the Mechanical and Electrical arms of the business it now delivers a more focused approach to the industry's needs along with an integrated EHSQ management system. They now employ 80 apprentices.

The national trade body representing the UK chemical and pharmaceutical manufacturers, **Chemical Industries Association**, sponsored the final award; *'Supplier to the chemical industry'*. Recruitment company **SRG** was the winner! Understanding the skills needs of the chemical industry, establishing a strong network of potential candidates and building the links with universities is at



the heart of SRG's business strategy. Having a scientific degree, technical knowledge and experience are pre-requisites of recruitment managers.

Labelling and safety documentation provider **Hibiscus plc** was awarded a 'highly commended' in this category based on a case study that related to an urgent requirement of a NW chemical manufacturer. Its rapid response made not only enabled a consignment to be completed in time, but also improved the quality of labelling information.

Thanks went to the producers of the evening's award trophies who once again were the BA Fine Arts students at **Wirral Metropolitan College** and sponsored by **Solvay Intertox Ltd**. Special thanks went to **Hosokawa Micron Ltd** for sponsorship of the drink's reception and **Manntek AB** for once again sponsoring the Awards dinner brochure for the evening.

Finally Chemicals Northwest wishes to thank all of the award entrants, sponsors and guests who attended the event for helping to make the 2019 awards dinner one of the best ever!

Designing the Trophies at Wirral Met College 2019

This is the seventh year that Chemicals Northwest have invited students from the BA Fine Art course at Wirral Met College to design the trophies for the awards. Each year the challenge adopts a different character for our students.

This year a group of five second year students have split the task between them. Laura Jones, Lauren Pugh, Phoebe Weaver, Zoë Roberts and Helon Conning. Working on a real project provides our students the professional experience that is a key element in their training. However, the design and making process can be a challenge. Working in a group to produce a coherent design is often a very difficult task and the rejection and modification of individual ideas requires maturity and diplomacy.

We have always started from the assumption that by commissioning student designs, Chemicals Northwest are looking for innovation, creativity and a unique product rather than an 'off the shelf design'.

At the very beginning of the design process many ideas

are introduced and discussed. Much design work had already been undertaken when the decision to use glass was introduced. Many modern artists such as Henri Matisse (Chapel of the Rosary, Vence 1951), and more recently David Hockney (Westminster Abbey, London 2018) have been commissioned to make designs for stained glass windows. So with this great tradition in mind the group decided to learn a whole set of new skills and techniques. The qualities and material characteristics of glass meant the designs had to be radically altered. The designs became more regular and abstract with strong colour and regular shapes. The forms evoke the image of sailing boats on the Mersey. With this technique the glass becomes fused together to form transparent blocks. We think this use of high temperatures and material transformation makes chemical processes the heart of this year's designs.

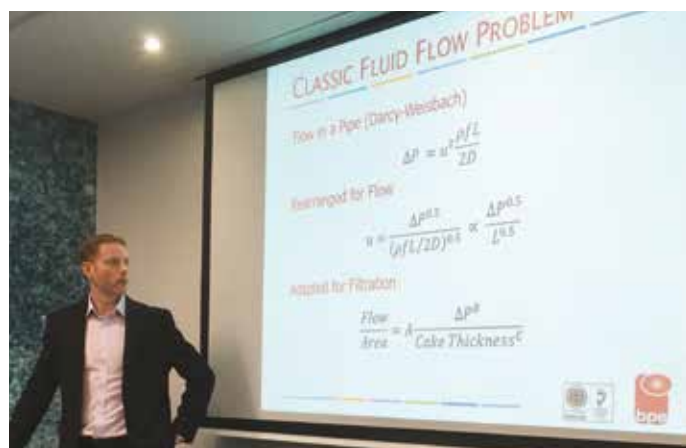
The students involved in this year's trophy designs for Chemicals Northwest are Level Five Sculpture Option students: The group have been supported by tutor Karon McGunigall with technical support from Tanya Dennis.

Vincent Lavell
Course Leader
BA (Hons) Fine Art

Seminar shines a light on hot process industry topics

People working in the worlds of process engineering and manufacturing had the chance to learn about some of the latest developments affecting the industries last week. BPE, one of the UK's leaders in chemical and biochemical engineering, held a breakfast seminar to look at some of the key issues and trends affecting the industry. It also shared some of its latest findings from its series of free whitepapers, which aim to share best practice.

Among the topics under the spotlight were: continuous reactor modelling, filtration scale up and LOPA and high containment. Jon McGeehan, who heads up BPE's North West office where the event was held, said: "The event provided a fantastic opportunity for us to share our current technical developments with our customers, partners and the wider community. We were particularly pleased to share our recent whitepapers, which have been proving popular since the series was launched."



Noel Quigley, BPE's managing director, added: "We firmly believe that sharing best practice helps to move the whole industry forward and we'll certainly be looking to run more of these events in 2019. It was fitting that last week's event was held at our North West office, marking almost exactly two years since we opened our second location."

All of BPE's whitepapers are available to download for free at <https://www.bpe-ds.com/about-us/bpe-whitepapers/>

To register your interest for future events email Olivia.M@bpe-ds.com

EPA Updates the TSCA Inventory: Impact on chemical importers

On February 19, 2019, the U.S. Environmental Protection Agency (EPA) released a much anticipated “updated” Toxic Substances Control Act (TSCA) Inventory. The updated TSCA Inventory now lists chemicals that are “active” versus “inactive” in commerce in the U.S. This development has important legal and transactional implications for foreign companies importing chemicals into the U.S. This column explains why.

Background

When Congress amended TSCA in 2016, a key goal was to “update” the TSCA Inventory. Recall all industrial chemicals not otherwise exempt must be listed on the TSCA Inventory as a predicate to commercial production, distribution, and use. In other words, if a chemical is not listed on the TSCA Inventory and not otherwise exempt from TSCA notification, EPA would be of the view that this chemical substance cannot be made or distributed in commerce for a commercial purpose.

It was widely thought for years before 2016 that only a subsection of the 86,228 chemicals listed on the TSCA Inventory were in fact “in commerce.” Under new TSCA, EPA was required to initiate a rulemaking to “reset” the TSCA Inventory by requiring that listed chemicals be designated as “active” or “inactive.” After EPA completes the TSCA Inventory reset process, companies that intend to manufacture or process chemicals identified as inactive must notify EPA prior to their manufacture or processing.

The February notice truth tested what was widely believed to be the case, namely that less than half of the total number of chemicals listed on the current TSCA Inventory (47 percent or 40,655) are currently in commerce. More than 80 percent (32,898) of the chemicals in commerce have identities that are not Confidential Business Information (CBI), increasing public access to additional information about them. Readers will appreciate that EPA is developing a rule outlining how it will review and substantiate CBI claims seeking to protect the chemical identities of substances listed on the confidential portion of the TSCA Inventory.

Why is this important to European entities?

The reset TSCA Inventory has important implications for domestic and foreign chemical stakeholders. Most importantly for present purposes, the term “manufacture” is defined under TSCA to include “import into” the U.S. Under the final TSCA Inventory notification rule, a substance is not officially designated as an “inactive

substance” until 90 days after EPA publishes the initial version of the Inventory with all listings identified as active or inactive, or in this case by 20 May 2019. If a substance is listed as “inactive” that is currently being manufactured or processed, entities have 90 days (or until May 20) to file a Notice of Activity (NOA) Form B so that they can continue their current activity. Manufacturers and processors that intend to manufacture or process an “inactive” substance after May 20 must submit an NOA Form B before they start their commercial activity.

So the take-home message is this: chemical stakeholders need to understand that after 20 May 2019, it will be impermissible to manufacture, import, or process a substance that is designated as “inactive” on the TSCA Inventory without first submitting an NOA Form B to EPA. If entities are now engaged in commercial activities regarding chemicals designated as “inactive” on the TSCA Inventory, now would be a good time to submit an NOA Form B to continue the commercial activity.

Discussion

The recent notice from EPA tells us several things. First, the updated TSCA Inventory confirms that less than half of the over 86,000 chemicals listed on the TSCA Inventory are currently active in commerce. This represents a profound shift over the past 40 years, as it is clear that many of the approximately 62,000 chemicals on the original TSCA Inventory and the over 30,000 commenced new chemicals were commercially bypassed as technological, commercial, policy, and regulatory drivers emerged and produced significant changes in the global chemical economy.

Second, the notice adds a temporal element to the significance of a chemical being identified as “inactive” on the TSCA Inventory. In short, after May 20, entities wishing to manufacture, including import, a chemical substance identified as “inactive” on the TSCA Inventory must first submit an NOA Form B to EPA. European-based entities that import non-exempt chemicals should be aware of the reset TSCA Inventory, be mindful of the implications of any “inactive” designation, and take steps now to ensure commercial transactions remain uninterrupted. Failure to understand the consequences of the reset TSCA Inventory could prove commercially disruptive.

The public version of the February 2019 update of the TSCA Inventory, which includes information on active and inactive chemicals, is available on EPA’s TSCA Chemical Substance Inventory web page, as well as general information about the TSCA Inventory, tips on how to access the Inventory, and policy and guidance materials.

**Author: Lynn L. Bergeson
President, ACTA Group**

'No deal' guidance and options leading up to deadline

As people talk more about Brexit, the possibility of a “no deal” has been gaining traction. CIA’s recent engagement with government was highlighted at the latest Brexit group meeting held at Sci-Tech Daresbury on 13 February 2019.

This included reference to the HSE website guidance which has now been updated with the main actions that businesses need to take if they are manufacturing, importing or using chemicals under REACH; <http://www.hse.gov.uk/brexit/brexit-no-deal-guidance.htm>

Recent Brexit guidance has jointly been issued by CIA and CEFIC, that outlines advice on:

- maintaining access to EU single market considerations for UK based businesses,
- considerations for EU based companies with UK supply and trade relationships and
- implications of a future UK REACH for UK and EU27/EEA companies.

This can be found at: **Brexit: Preparing for a future UK out of REACH scenario** There was also reference to the updated guidance from ECHA; <https://echa.europa.eu/-/act-now-to-stay-on-the-eu-market-after-the-uk-s-withdrawal>

UK companies have invested possibly up to £600 million to comply with REACH, and the industry welcomed that regulation. Therefore, the concept of a UK REACH being introduced and asking UK companies to pay again for re-registration, did not make sense. The UK’s possible role in the ECHA also needed to be discussed. The European chemicals federation, CEFIC, said the British and EU chemical sectors were strongly interconnected, and from the onset of Brexit negotiations it had stood united in favour of an agreement for frictionless trade in chemicals, calling for the UK should be included in the EU REACH regulation and in the ECHA. A ‘no deal’ needed to be averted.

Over 40 EU FTA agreements were recently reviewed by DIT when considering the Department’s hopes to transition (deal or ‘no deal’), with progress being made in striking agreements with South Korea, Canada and Switzerland. The industry’s commercial interests in the most important markets with regard to chemical imports or exports are also to be shared with DIT.

The Environment Agency, realising that sites may be prepared for Brexit by stockpiling raw materials, suggests companies also consider key critical spares that may have delays reaching the UK? Equally, if stockpiling raw materials, regulators have asked sites to please remain mindful of the COMAH thresholds and the hazardous consent limits which apply. The HSE is running five roadshows around the country aimed at engaging with chemical companies on EU exit, they are proving to be very popular!

The meeting welcomed Dr Kathryn Simpson, associate professor in political economy at the Future Economies Research Centre, Manchester Metropolitan University who gave a comprehensive analysis of the recent political developments on Brexit. This included the various parliamentary options and the possible eventual outcomes that the UK faces, including “no deal”.



In relation to the Irish backstop, the UK wants to keep all of UK not just Northern Ireland in a customs union and single market for a limited time period, that is not to be indefinitely locked-in. However, the EU Wants a backstop to be only applicable to Northern Ireland although the EU recently agreed the backstop can apply to all of the UK with additional assurances to prevent a hard border in Northern Ireland. Any backstop must apply unless and until it’s no longer needed and cannot have a time limit.

Kathryn says Brexit is treated as mono-causal, it’s not: “politics trumps economics”. The Current UK Government strategy appears to be ‘running down the clock’, hoping for approval of Withdrawal Agreement in the house of commons at the 11th hour, or until the EU budges. Progress has been made but the Withdrawal Agreement is only the first stage in a marathon of UK-EU relations.

1ST & 2ND May 2019 Yorkshire Event Centre, Harrogate, Yorks



CHEMUK 2019

The brand new UK Chemical Industry
Supply Chain Expo & Open Conference

2 packed days
Unique supply chain expo
Leading technology & solutions
Industry partners & solutions
Free technical conference
Industry keynotes
Hottest industry topics
Skills clinics



**FREE
ENTRY &
PARKING!**



Supporting Partners include:



www.chemicalukexpo.com

BASF, CIA, Brenntag, AstraZeneca and Siemens amongst headline speakers at new CHEMUK 2019 EXPO launching in Harrogate this May

Industry professionals from all sides of the UK's chemicals sector are set to descend on the Yorkshire Event Centre, Harrogate, Yorkshire on May 1st & 2nd 2019, for the brand new, free to attend CHEMUK 2019 UK supply chain expo & speaker programme.



Image courtesy of Loadtec Engined Systems (Stand M20)

Supply Chain Expo

CHEMUK 2019 will provide visitor groups with a diverse and impressive showcase of **170+ specialist exhibitors** showcasing latest **plant, equipment, materials & services supporting the chemicals industries**, driving operational performance, efficiency, future-proofing, safety, compliance and more..

Speaker Programme

The 2-day speaker programme will deliver some 20+ hours of free to attend expert intelligence, best practice and tech-insight 'snapshots', to inspire and assist next level investment & operational strategies for attending industry groups across the UK chemicals & chemical product sectors.

Keynote speakers will seek to address the BIG topics influencing & affecting Chemical industry businesses e.g. Chemical Industry 4.0, Green Chemistry, Brexit & Regulatory landscape, Supply Chain Management, Disruptive Technologies & Transformational strategy, Process Safety.. and more.

Harrogate Venue

Hosted at the recently completed Yorkshire Event Centre in Harrogate (Leeds City Region), CHEMUK 2019 is located to be equidistant between the crucially important North West, Humber & Teesside chemical cluster regions. In addition, providing easy access for the important Yorkshire-based chemical & bio industries plus good central UK positioning. With **FREE ENTRY** into all exhibits, features & presentations, plus on-site **FREE PARKING**, as well as easy access by Rail & Air, the venue provides an easy experience for all visitor groups.



Image courtesy of Suurmond UK (Stand E8)

Who should visit?

CHEMUK 2019 reaches out to ALL key chemicals/chemical product & chemical using industries, targeting Chemical Process Engineers, Operational, HS&E, Control & Instrumentation, Test & Inspection, Manufacturing, Formulation, Logistics, Procurement & Supply Chain, R&D & Scientific professionals plus Chemical industry business teams.

Dates for the Diary

CHEMUK 2019 takes place on Wed 1st & Thur 2nd May, 2019

Venue: Yorkshire Event Centre, Harrogate, Yorkshire

Opening Times:

Day 1: 9.00am – 5.00pm

Day 2: 9.00am – 4.00pm

FREE PARKING for all visitors. Register NOW for your **FREE entry badge** at www.chemicalukexpo.com

Steve Elliott, Chief Executive, Chemical Industries Association
David Wright, Director General, United Kingdom Lubricants Association
Ian Elsby, Head of Chemical Industry GB&I, Siemens Plc
Rohit Banerji, Managing Director, Accenture Digital
Dr Geoff Mackey, Corporate Affairs & Sustainability Director, BASF plc
Ingo Legermann, HSE Manager, Brenntag EMEA
Dr Zsuzsanna Gyenes, Deputy to the Director, IChemE Safety Centre
Dr Sarah Hickingbottom, CEO, Biovale
Dr Mojgan Moddaresi, Director, Personal Care Regulatory Ltd
Dr Darren Budd, Commercial Director, BASF Plc
Caroline Raine, Chairman, BADGP
Peter Devine, Technical Manager, VEGA Controls
Rob Munro, Associate Industrial Fellow, The Institute for Manufacturing, University of Cambridge
Phil Pease, CEO, The Industrial Packaging Association
Dr Richard Elsmore, Partner & Global Lead Biocides, ERM
James McIntosh, Head of CATCH Skills
Dr Paul Ferguson FRSC CChem, Associate Principal Scientist, AstraZeneca Pharmaceutical Technology and Development
Dr Steven Raw FRSC CChem, Associate Principal Scientist, AstraZeneca Separation Science
Martyn Willis, IPI Global Ltd
Neil Smith, Head of Workforce Development, Cogent Skills
Martin Atkins, CEO, Green Lizard Technologies
Dr Mark Gronnow, Process Development Unit Manager, Biorenewables Development Centre
Mohaimin Chowdhury, Jr. Incubator Lead at AkzoNobel
Lorna Williams, Executive Officer & General Secretary, BASA
Peter Brown, Director, Maelstrom Advanced Process Technologies Ltd
Rudi De Koninck, CPI Business Development Manager, Edwards Vacuum
Dr Carlos Miguel Fazendeiro, Managing Director - ONLY CORE CHEM, UNIP. LDA
Dr Peter Colman, Partner, Simon-Kucher & Partners
Ewart Cox, Managing Director, Assentech Ltd
Ian Baxter, Technical Manager, Cat Tech International Ltd
Tom Higley, Technical Sales Manager, CALGAVIN
Carolyn Nicholls, Operations Director, RAS Limited
Dr Jack Turner, Research Scientist, Promethean Particles
Dr Caroline Ladlow, Safety Services Manager, Kindlow Safety Services
Raymond Gransby, Technical and regulatory consultant, Aromatherapy Trade Council
Julian Spadaccini, Field Sales Specialist, Emerson Automation Solutions
Craig Thomson, Associate Director, National Chemical Emergency Centre
Andy Shearer, Director of Sales, Industry, GRUNDFOS



Hazards29

In association with the Mary Kay O'Connor Process Safety Center

22–24 May 2019, Birmingham, UK

Hazards 29 is IChemE's annual process safety conference, the leading event of its kind in Europe.

It will share good practice, latest developments and lessons learned in process safety, promoting safer working practices and helping to make good practice common practice.

Hazards 29 will cover every major aspect of process safety and bring together hundreds of practitioners from around the globe. It is the perfect place to learn from others' experiences, keep up-to-date with good process safety practice, and network with the international process safety community.

What's going on?

- Around 100 oral presentations and posters from industry practitioners, researchers and regulators
- Invited plenary speakers from industry
- Panel discussion
- Workshop sessions
- Trade exhibition of process safety related products and services
- Welcome drinks reception and social event

Programme themes

- Human Factors
- Hazard Assessment
- Design Engineering
- Environment
- Case Studies
- Dispersion Modelling
- Safety Culture
- Cyber Security
- Incident Investigation
- Education & Training
- Process Safety Management
- Systems & Audit
- Integration of Process Safety Data
- Risk Assessment
- Safety Cases
- Pipelines & Transport
- Lessons Learned
- Hazard Management
- Process Safety Futures
- Offshore Safety

Plenary speakers



Mike Bell
Walt Disney Parks &
Resorts, US



Dame Judith Hackitt DBE
Chair, EEF, UK



Mark Neate
Sellafield Ltd, UK



Tracy Whipple
BP, US

Find out more and register at www.icheme.org/hazards29

Conference partner



IChemE ADVANCING
CHEMICAL
ENGINEERING
WORLDWIDE

Testing the UK REACH IT system

The latest CNW REACH discussion group took place at Sci-Tech Daresbury on 13 March 2019 and Jenny Butcher, chemicals policy executive at CIA provided an update on recent developments starting with the House of Commons debate on the UK REACH Statutory Instrument.

There were two positives; an extension of the deadline to submit initial registration information from 60 to 120 days as well as the intent to grandfather UK registrations held by UK Only Representatives. The final vote did result in a majority approving the draft SI, but several MPs were concerned over the failure to reassure the House on a functioning REACH IT system by 29 March if needed.

A two-week testing period ran from 25 February 2019 – 7 March 2019, concentrating on the key scenarios that need to be functioning on day 1 of Brexit. Basic functionality was found in grandfathering, downstream user notification, inquiry and new registration. Other issues were fed back to DEFRA, such as; a query on better communication between registrants, the invoicing feature being separate to the IT system itself and the downstream user notification not accepting PDF format. The system needs to have a user-friendly interface – as in EU REACH and many people also felt it would be good if DEFRA ran another IUCLID testing workshop. Alun Williams from the EU Exit Chemicals unit at DEFRA confirms the UK REACH IT system aims to replicate the ECHA IT and Government will continue to develop and build on it after Brexit, focusing on the critical functionality. ECHA's guidance on how to transfer your UK REACH registrations prior to the UK withdrawal (February 2019) can be found at: https://echa.europa.eu/documents/10162/13552/how_to_transfer_uk_reach_registrations_en.pdf/1fb443ce-79de-6596-aae5-3f1033f1a5fb

ECHA's strategic plan for 2019-2023 was adopted by the management board at the end of December 2018. The priorities are defined as identification and risk management of substances of concern, safe and sustainable use of chemicals by industry and sustainable management of chemicals through the implementation of EU legislation. ECHA's compliance priority for 2019 is to ensure registration dossiers that they receive, include all of the required information and the Agency encourages companies to update their dossiers with better hazard information and safe use information.

Alun outlined the Government's on-going programme of engagement with industry and stakeholders, involving; further guidance on UK REACH, the new UK REACH IT "model office" exercise and its business readiness campaign. The UK proposals of July 2018 for the Future

Economic Partnership reflect industry priorities and aim to minimise regulatory burdens:

- The UK would be an active participant in ECHA, albeit without voting rights, which would involve making an appropriate financial contribution.
- UK businesses would continue to register chemical substances directly with ECHA, rather than working through an EEA-based representative.
- The proposal for a 'common rule book' would include all chemical regulations where ECHA has a role, including REACH, CLP and Biocides.

With regards new REACH registrations for the EEA market, UK companies must register with ECHA via an EEA based customer or Only Representative. For the UK market, UK companies set up an account on UK REACH IT and register the new chemical. Registration requirements will be as close to ECHA's current system as possible to reduce burden on industry. For example, UK REACH will require exactly the same IUCLID dossier as ECHA, so industry would send the same information to both agencies. EEA companies rely on UK-based customer or appoint a UK-based Only Representative. Applications for authorisations would need to be submitted to the UK Regulator as well as ECHA.

Existing EU authorisations held by UK manufacturers, importers and Only Representatives will be grandfathered into the UK. Authorisation holders will need to provide some data to the UK Agency. UK companies that have submitted authorisation applications to ECHA, and ECHA have not yet submitted an opinion to the EU, would need to resubmit their dossier to the UK Agency.

For authorisation applications awaiting EU decision following ECHA, and ECHA's (RAC/SEAC) opinion, applicants will be required to notify the UK Agency of the application and provide copies of the application and any other information that led to ECHA's formation of its opinion.

Further guidance is provided on: www.hse.gov.uk/EUExitREACH If you have any further queries or wish to receive occasional updates related to EU Exit and chemicals, contact:

REACH-IT@defra.gov.uk



Process Safety

Process safety is a vital part of any operation but the knowledge and expertise to achieve it may not always be available in house. At Kindlow Safety Services your process safety is our number one priority. We understand that it is necessary to control hazards and potential hazards such as dust explosions, thermal decomposition and runaway chemical reactions in order to achieve safe operating conditions. Our dedicated team have decades of experience originating from industry and can provide expert knowledge and advice to support you in achieving your safe working parameters; whilst our fully equipped laboratory can provide the test data required to meet legislation.



TESTING

Our fully equipped laboratory can perform a full range of process safety testing including;

- Chemical reaction hazards
- Dust explosion testing
- Regulatory testing
- Aerosol safety testing

CONSULTANCY

Based on decades of science and experience our experts can offer specialist consultancy and advice to assist with your process.

TRAINING

Tailored training courses designed to increase your staff's skill levels and breach any knowledge gaps.



“Very quick to respond to queries we had and when we sent the sample the turn around time for the final results was very quick. We look forward to working with you again in the future.”

H2 Compliance

“Excellent report, fast results and a good price.”

BASF

“Excellent communication, good price, no complaints.”

PX Limited

Our mission...

"TO BE THE PREFERRED SUPPLIER OF PROCESS SAFETY TESTING GLOBALLY."

Returning to Catalyst for a tasty breakfast!

Catalyst Science Discovery Centre was the venue for Chemicals Northwest latest breakfast networking meeting on 5 March 2019. Things really have moved on for the educational charity in terms of new funding and ambitious projects.

Director, Jayne Edwards described the work that is now being undertaken at the former soap-works building in Widnes. A £1m match-funded grant from the Inspiring Science Fund announced last year, will help deliver; 'Catalyst for a future generation'. The project will explore ground-breaking thinking about the relationship between science and wellbeing.

In summary this money will be used to renovate the work studios, re-launch the "Scientrific" exhibition space and the educational theatre. Improvements to the café, shop and entrance also appear in the plans. The aim is to be a community engagement hub, focusing on community well-being, providing more opportunities for disadvantaged children to engage and support for adults who are isolated or have physical disabilities.

The group was also introduced to the new chair of trustees at Catalyst: Dr Diana Leitch. Research chemist Diana, has many years' experience working in the chemical industry and has been involved with the centre for many years, including recently as a trustee.

Delyth Edwards represents **STFC ITAC** (Innovations Technology Access Centre) which is based at Daresbury and is part of the UK Research & Innovation group. In order to deliver a project, companies can either lease their own exclusive, self-contained laboratory or opt for access to a 'hot lab' with multi-user areas available on an hourly, daily, weekly or monthly basis. All self-contained labs are either class 1 or 2 with shared facilities, including fume cupboards, de-ionised water, gases and analytical services.

Advanced engineering services include new product developments such as 3D printing, SEM and electron beam machines. Flexible occupation arrangements such as short-term project space and "pay as you go" are available, reducing up-front capital costs and allowing clients the time to invest where it is more needed.

Derwent James Ltd was formed in 2009 and owner Neil Finney has over two decades of experience in providing safe sampling equipment and expertise to a wide range of companies in the chemical, petrochemical, oil & gas, nuclear, energy, pharmaceutical and engineering sectors,

that is any place where hazardous chemicals/substances are processed. Representing Dutch manufacturers Dopak, the company's products make the 'in-process' sampling of hazardous liquids and gases, much safer, minimising the risks of loss of containment and spills. The company also offers consultancy and advice in finding the right sampling solutions that benefit its customers and the environment.

Preparations are well underway for the international Chemspec 2019 exhibition which is being held in Basel, Switzerland on 26–27 June 2019 and **Department for International Trade** is encouraging UK chemical companies to take part. Last year there were 380 exhibitors from 22 countries. Bohdan Ratycz based in the DIT NW office explained the Departments' plan to organise a trade mission under the Northern Powerhouse banner. There will be a UK pavilion stand with room for 15 companies. This is a great opportunity for NW manufacturers to network and meet possible new customers, representing agents and distributors. There will be a £200 grant available to help with travel.

Graham Reynolds representing new CNW member and global energy distribution and management company, **COMECA Group**, provided some background to the historical changes in ownership over the years, including the past links with Alstom and Westinghouse, COMECA's diverse portfolio includes; low and medium voltage switchboards (OEM), electrical solutions for HVAC, automation, monitoring and control command and cabling solutions. The company's dynamism and adaptability have enabled it to become one of the leaders in the electrical equipment industry. Located in Stoke the company is keen to build its presence with new installations in the northwest.



L-R: Neil Finney, Graham Reynolds, Delyth Edwards, Bohdan Ratycz, Dr. Diana Leitch.

Minimising the impact of incidents in the chemical industry



For over 45 years, the National Chemical Emergency Centre (NCEC), part of Ricardo, have been working with companies throughout the chemical supply chain to protect people, the environment, assets and reputation (PEAR) during chemical and non-chemical incidents.

NCEC provide telephone-based emergency response advice to over 550 companies globally, receiving more than 8,000 calls a year on their emergency lines. Their chemically qualified emergency responders (ERs) provide technical advice on the product, based on information from 2.6 million safety data sheets (SDS) held in their bespoke databases and contextualising this to the circumstances at the scene, the size and nature of the incident, and the capability of the caller to safely implement the advice. Their service is delivered in line with the European Chemical Industry Council's (CEFIC) guidelines for telephone-based emergency response providers (available from the NCEC website: the-ncec.com).

The type and style of the advice given can vary significantly depending on the caller and the incident. For instance, a road traffic incident resulting in a chemical release from a tanker on the motorway would involve NCEC's ERs working with the UK Emergency Services. NCEC are the front-line responders of the national Chemsafe scheme, which is funded by the UK's Department for Transport and Chemical Industries Association. NCEC would provide risk assessment and management advice to prevent the situation escalating, and evaluate the feasibility of immediate actions, like 'snatch recues' of passengers, etc., before considering mitigation and resolution options.

Contrasting this type of incident, NCEC also receive calls via their commercial emergency response service. They work with product manufacturers and distributors (with emergency numbers on SDS, product labels, etc.), and may be providing advice to a member of the public reporting possible exposure to a recently fertilised field. The advice and approach under these circumstances is focused on reassurance and whether immediate medical attention is required, with advice typically posed as direct instruction.

NCEC also work with companies who use chemicals in the manufacturing process, where there may have been a release within the company's site. Typically, calls of this nature are to provide additional detail and context from SDS / risk assessments, and to sense check and validate the response plan. As well as risk to personnel during these incidents, a poor response can also result in lost production. This can be supported by NCEC's training and preparedness services, enabling first responders and spill response teams to identify risk and develop robust response plans.

NCEC also manage the incident notification phase for all types of chemical and non-chemical incidents globally, on behalf of their customers, through to corporate crisis management and incident response teams. Once a corporate crisis management team has been notified of an incident their ability to respond effectively depends on how experienced they are in managing a critical business crisis. NCEC work with organisations at the strategic and operational crisis management levels to ensure that their policies and procedures are suitable for the organisation, and that their crisis and leadership teams are well trained and practiced responding to incidents.

NCEC's team of regulatory consultants also work with companies across the world to comply with emergency response and chemical supply regulations including European REACH (and arrangements for the implications of BREXIT), European Poison Centres, and the Classification, Labelling and Packaging (CLP) and Global Harmonised System (GHS) regulations.

Chemicals Northwest (CNW) members can benefit from a 25% discount on NCEC's telephone-based emergency response services. To be eligible, members must make NCEC aware of their membership as part of any initial enquiry. Note that this is not available in conjunction with any other offer / discount.

NCEC are also currently working with the Industrial Managers Resilience Forum (IMRF) in the North West to put together a workshop on managing chemical incidents which is planned for the morning of the 20th June, with the kind support of ESSAR, at Stanlow Oil Refinery. If you are interested in attending, or finding out more, please contact Dave Dowling IMRFnw@gmail.com.

To discuss this, or any other part of this document, please contact NCEC directly on ncec@ricardo.com or +44 (0) 1235 753 654.

Year-long celebrations for award-winning Cheshire headhunting company kick-off with Northern Powerhouse partnership

In partnership with

**NORTHERN
POWERHOUSE**

As RMG (Recruitment Management Group) celebrates its' silver anniversary this year it remains focussed on its ambitious growth plans for 2019 and beyond.

RMG are sector specialists and headhunters who find exceptional people for our healthcare, chemicals and wider science, technologies, engineering & manufacturing clients and they are delighted to have been announced as a Northern Powerhouse partner.

This partnership underlines the company's commitment to deliver the shared objectives and to continue to support the innovation and growth of healthcare and life sciences businesses, whilst advocating the continuous need for STEM development for succession planning, through the attraction and retention of exceptional talent.

RMG joins an ever-growing network of almost 200 Northern Powerhouse businesses in the region. These businesses are committed to working collaboratively with local leaders and central Government to boost the local economy by investing in skills, innovation, transport and culture to help the region reach its full economic potential. Effective use of devolved powers by locally elected mayors will ensure decisions for the North are made by the people and leaders of the North.

Giles Hampson, Managing Director said of the partnership, *"We are delighted to have our work in the region recognised through our partnership with Northern Powerhouse. This comes at a key stage of RMG's 5-year growth plan, where we are yet again looking to achieve double-digit growth in both revenue and headcount, allowing us to positively impact the region from an economic and employment perspective, thus delivering on our obligations as a high-growth northern-based business."*



Minister for the Northern Powerhouse, Jake Berry, MP said *"It's clear Recruitment Management Group (RMG) has a strong track record of building the pool of talent for key high-value industries in the North, so I'm delighted to welcome them to the Northern Powerhouse Partner Programme."*

"This network of businesses has a pivotal role in realising the Government's vision for the Northern Powerhouse and I believe RMG's membership will make a great contribution to our shared ambition to boost jobs and economic growth across the North, to rebalance the economy and build a Britain fit for the future."

"21 Stories 21 Chromosomes": Catalyst Science Discovery Centre and Positive You

POSITIVEYOU

17th – 24th March 2019 was World Down Syndrome Awareness Week. Every year for a week during March across the globe communities celebrate the achievements of people with Down syndrome, telling their stories and platforming their voices. It is also the opportunity to challenge misconceptions about Down Syndrome and to call for society to be more inclusive.

During the 18 - 24 March 2019, Catalyst Science Discovery Centre hosted a pop-up display "21 Stories, 21 Chromosomes" curated by Leah Jones. Leah, born on Mersey Road where Catalyst is located, is a self-advocate, running her own company 'Positive You'. She says:

"As a person with Down Syndrome, throughout my life I have become a part of a wonderful community of people with Down Syndrome. Down Syndrome is a genetic condition from birth where there is a third copy of chromosome 21 in a person's DNA. With this in mind, I

have asked 21 local people who have Down Syndrome to share their success stories. When you look out from Catalyst's beautiful observatory with panoramic views over Halton, be inspired by their stories and remember - it's only an extra chromosome!"

About Positive You

Founded in 2013, Positive You is an organisation which aims to support people with learning disabilities to have good confidence and self-esteem. Positive You works with people using arts and crafts, supporting them to express themselves in their own special ways, transforming attitudes and promoting positivity along the way. It offers a fun and creative four-week training programme, as well as public workshops, arts exhibitions and awareness campaigns.

Funded by Wellbeing Enterprises.
<http://www.positiveyouwithleah.com/>

Smithers Viscient Europe appoints Ian Siragher Managing Director

Smithers Viscient, a global contract research organization (CRO), today announced on 24 January 2019 the appointment of Ian Siragher to the position of Managing Director.

Siragher will assume operational responsibility for the Smithers Viscient European site in Harrogate, UK. His experience includes high technology start-ups, running SME business, sales, marketing and regulated industry programs within the analytical, pharmaceutical and drug delivery industries. He brings a wealth of entrepreneurial experience with proven strengths in scientific knowledge, operational and strategic planning, coupled with a strong client focus.

“We are delighted to welcome Ian to our business,” said Susan Shepherd, President, Smithers Viscient. “Ian is an excellent appointment for us; he is a proven operational leader having spent much of his career

running a range of businesses.” Shepherd continues, “He brings an exceptionally strong global positioning and planning background, which is vital as we continue to grow our portfolio. His proven experience, vision and his ability to think strategically makes him an excellent choice in support of our clients around the globe.”



Siragher joins Smithers after 12 years as Managing Director and founder with Concept Life Sciences, formerly Agenda 1 Analytical Services Ltd. He holds an MBA, a Bsc (Hons) in Psychology and is an Associate of Chartered Institute of Bankers (ACIB). He has relocated to Harrogate to take up the position.

For more information please contact: Fiona Brook-Rogers, Marketing Manager Europe: 01423 532710

Chemical Intelligence – waging war on superbugs with game changing anti-microbial technology

Every year, more than 300,000 patients acquire infections in hospitals and GP surgeries in England, many of which are resistant to antibiotics and extremely difficult to treat. At STFC’s Daresbury Laboratory, start-up company Chemical Intelligence is developing revolutionary technology that is set to play a key role in preventing the thousands of potentially life threatening antibiotic-resistant infections each year.

The company’s internationally patented technology, which was developed in association with the University of Nottingham, involves a unique anti-microbial molecule that is activated when it comes into contact with light and oxygen. The technique prevents the spread of bacteria to and from surfaces and people, killing deadly microbes including E.coli and the MRSA superbug. Last year the company launched the world’s first medical examination gloves to have built-in anti-microbial technology that can kill up to 99.9 per cent of bacteria in less than five minutes of contact.

Chemical Intelligence is the latest company to take advantage of the world-class R&D facilities for start-ups at Daresbury Laboratory, where it is now looking to further the development of this completely unique anti-microbial technology for use in other high volume, disposable, consumable medical devices.

Founder and CEO, Rob Gros said: “With the emergence of new resistant bacteria and superbugs, the need for innovation to help prevent the spread of infections is only going to grow. Our mission is to make our anti-microbial medical examination gloves an industry standard in hospitals across the world, whilst we continue to develop this technology for other medical products. For Chemical Intelligence, carrying out our essential R&D at Daresbury Laboratory provides us with valuable access to a technologically sophisticated research environment within which we can innovate as quickly and cost-effectively as possible as we work towards achieving our business goals.”

Delyth Edwards, business incubation programmes manager, at STFC, said: “Chemical Intelligence is developing technology that has the ability to both save lives and relieve the financial burden on health care authorities. However, developing innovative new products for healthcare applications can be a long and challenging process, and I’m thrilled that Daresbury Laboratory is providing the right R&D environment and support for Chemical Intelligence as it takes its exciting new technology to the next level.”

**For more information, contact Delyth Edwards
delyth.edwards@stfc.ac.uk**

Envigo

Envigo provides essential research services, models and products for biopharmaceutical, crop protection, and chemical companies as well as universities, governments, and other research organizations. Our business is founded on a dedication to customer service and the expertise and experience of our 3,800 people. With over 50 locations worldwide we are committed to helping customers realize the full potential of their research and products as we work together to build a healthier and safer world.

Specific services include: consultancy, in vitro safety assessment, ecotoxicity, environmental metabolism, genetic toxicology, endocrine disruptor screening, product chemistry, REACH and regulatory affairs. Our customers can be confident that Envigo is dedicated to understanding their challenges;

appreciating their perspectives and helping them achieve their goals.

Envigo is a privately held global company with corporate headquarters in the United Kingdom and headquarters for its research models and services business in the United States.



Contact:

Mark Terry
Regional Director of Sales EMEA
CPC

Woolley Road
Alconbury
Huntingdon
Cambridgeshire
PE28 4HS

T: 07802 854245

E: mark.terry@envigo.com

W: envigo.com

Derwent James Ltd

Derwent James Ltd was formed in 2009. Owner and founder Neil Finney has over two decades of experience in providing safety equipment and expertise for a wide range of companies in a wide range of sectors and industries, including chemical and petrochemical; oil and gas; nuclear; energy; pharmaceutical and general engineering.

We provide outstanding safety equipment, consultancy and expertise. We are the exclusive UK agents for Dopak sampling systems with over two decades experience in the design and supply of safe manual sampling systems for chemical liquids and gases. Our consultancy and expertise extends also to the supply of mechanical trapped key interlocks, lockout tagout and portable valve drives. Giving hazardous industries peace of mind by offering outstanding, cost-effective safety solutions, consultancy and equipment which not only benefits the company but also

the staff and the environment.

We feel that it's good for you to know that at Derwent James Ltd we can call on not just our expertise, but also the vast knowledge and experience of our partner companies ensuring that the products you select are the right ones for your application. We can work on-site or remotely, regular communication is key to a successful project so there are many ways to keep in touch with us through the usual channels and via social media or direct message.

Derwent James Ltd is based right in the heart of the country, in Derby – close to the M1 and the river Derwent (hence the company name), with an excellent rail network and international airport on our doorstep Derwent James Ltd are perfectly placed to offer the safety solutions that your company needs, wants, and deserves.



Contact:

Neil Finney
Owner

13 Littledale Close
Derby
DE21 2TS

T: 01332 673700

M: 07968 512311

W: www.derwentjames.co.uk

WhatsApp: 07968 512311

Facebook Messenger:

<http://m.me/derwentjamesltd>

AB Risk Ltd

AB Risk is the trading name for Andy Brazier. Andy is a Chemical Engineer with over 20 years of experience working as a risk consultant specialising in human factors and process safety. His particular expertise includes safety critical task analysis, staffing assessments, alarm management, control room design, procedure development, training and competence, human factors engineering in capital projects, and input to safety reports.

Andy's combination of engineering and human factors experience means he is particularly able to take a systems view to address the full range of technical, process and people risks. He has a reputation for being able to assess complex situations and for developing practical and effective solutions.

Andy's experience spans the full range of process industries including upstream

and downstream oil and gas, chemical and petrochemical manufacture, power generation and metals refining. He has worked at many operating facilities and at all phases of new projects including concept, front end engineering and detailed design. He has assisted many operating plants to understand their risks during times of plant and organisational change.

Engaging with AB Risk means you will benefit directly from Andy's wide and varied expertise. All services are delivered in a flexible way to ensure your specific requirements are properly understood and fulfilled. Whilst the focus is on safety, improving the way you manage human factors can create significant benefit improvements.



Contact:
Andy Brazier
Owner

T: 01492 879813
M: 07984 284642
W: www.abrisk.co.uk

Vynova Runcorn Ltd

Vynova is a leading European PVC and chlor-alkali company. Our products play a key role in manufacturing numerous industrial products and consumer goods that improve our quality of life. With production sites in five countries and 1,200 committed employees, we generate annual sales of nearly 1 billion euros.

At our Runcorn site, we produce chlorine (Cl₂) and ethylene dichloride (EDC), two essential intermediates for the production of PVC. Another key product that Vynova Runcorn produces is caustic soda or NaOH, which is a basic chemical our customers use to make a wide range of end products for daily life.

Chlorine is produced by passing an electric current through a solution of brine (common salt dissolved in water). At Vynova Runcorn, the conversion of brine into chlorine takes place in a state-of-the-art membrane electrolysis

plant, operated in a 50/50 joint venture with Inovyn.

At Vynova's EDC Manufacturing Asset, ethylene (supplied directly by pipeline) and chlorine are used to produce EDC, which is then shipped to other sites within the Vynova Group and to external customers. EDC is used to produce vinyl chloride monomer (VCM), the basic building block to make PVC.

Situated on the bank of the River Mersey, Vynova's Runcorn site is connected by waterways to the Irish Sea and is close to the UK Motorway infrastructure (M56/M6), providing it with excellent access to logistic facilities and export markets. Vynova Runcorn is proudly certified for ISO 9001 (2015) quality management standards and ISO 14001 (2015) standards for environmental management.



Contact:
Irene Robertson
Site manager

Runcorn Site HQ
South Parade
P.O. Box 9
Runcorn, Cheshire
WA7 4JE

T: 01928 51 4054
E: irene.robertson@vynova-group.com
W: www.vynova-group.com

Twitter: twitter.com/Vynova_Group
LinkedIn: www.linkedin.com/company/vynova-group

RMG (Recruitment Management Group) Ltd

RMG – Recruitment Management Group are sector specialists and headhunters who find exceptional people for our chemicals, chemical-using, healthcare, life sciences and wider science, technology, engineering and manufacturing clients.

Although celebrating its' silver anniversary this year, following an MBO in 2016 by its' MD Giles Hampson, the company remains focussed on ambitious growth plans, and has recently been announced as a Northern Powerhouse partner, joining an ever-growing network of companies in the region.

As a Chemicals NW Award winning business and Finalist in the CIA Awards, RMG has provided dedicated search (headhunting) and advertising-

led solutions to a diverse range of companies in the Chemicals sector across the UK and internationally for over 12 years, many who are Chemicals NW members. We manage tailored retained campaigns for our clients, across all functional disciplines at Board, senior and mid Management levels. We recruit for specific key roles, or ones 'difficult to fill' as your close, trusted partner, rather than seeking to be a 'volume' recruiter.

We take pride in placing outstandingly-talented individuals who make a significant and lasting impact in our clients' businesses.

Next time you are about to recruit for a role that you feel could benefit from our proven and successful approach, why not give us a call to find out how we could help you, before making your choice.

"Anita is a highly professional individual who has been honest and direct with me, but most importantly has excellent communication skills and ethics." - Engineering Manager at a Top COMAH Chemicals company



Contact:

Anita Caldwell
Principal Consultant - Chemicals & STEM sector specialist

Eleven Abbots Park
Preston Brook
Cheshire
WA7 3GH

T: 01928 711800

E: anita.caldwell@rmg-uk.com

W: www.rmg-uk.com

Twitter: @rmgchemicals

LinkedIn: <https://www.linkedin.com/company/rmg-recruitment-management-group->

Facebook:

<https://www.facebook.com/RMG.RecruitmentManagementGroup>

Studley Engineering and Electrical Ltd

Studley Engineering and Electrical Ltd (SEL) has become one of the most reputable and reliable safe contractors in the North West. Our reputation is built on close client relationships based on understanding the customer's needs, retaining site knowledge and providing personal attention that ensure every project, large or small is completed on time, safely and to the highest possible standard. Our comprehensive, skilled workforce can be tailored to suit each and every one of your needs.

Our success to date has resulted from our business philosophy of always seeking to work in partnership with our customers, coupled with our commitment to continually drive improvements in health, safety, environmental and quality standards.

SEL services can be contracted individually or as an integrated solution, reducing risk, costs, delays and interfaces for our customers. We can offer mechanical, piping, electrical, instrumentation, power distribution, site installation, test and inspection and maintenance.

Supporting customers with their daily requirements, working alongside client's maintenance teams during daily activities such as, repairs to running equipment, small to large projects and safety upgrades on various facilities.

With a direct workforce of circa 400 employees, we serve a range of industrial market sectors across the UK, including chemical, food and beverage, energy, petrochem, nuclear and pharmaceutical.

Our highly skilled and trained operatives provide effective support at various stages throughout the asset life cycle, from construction, projects, turnarounds and maintenance. Should you have any opportunities you would like us to look at please do not hesitate to contact me.

neil.corrigan@studleyelectrical.co.uk



Contact:

Paul Brierton
Marketing Manager

3 Hornhouse Lane
Knowsley Industrial Park
Liverpool
L33 7YQ

T: 0151 236 7825

D: 0151 363 1195

E: paul.brierton@studleyengineering.co.uk

W: www.studleyengineering.co.uk

Delayed changes to OPRA replacement, the Compliance Classification Scheme (CCS)

Two years ago we reported on the Environment Agency's (EA) plans to replace Operator Risk Appraisal (OPRA), which purportedly rates sites operating under an environmental permit according to their environmental risk.

OPRA has been widely criticised, and EA has recently acknowledged certain shortcomings which have left some operators paying much higher subsistence fees than were justified where the level of regulatory effort to regulate the site was low; while others had been presented as higher risks to the environment than was actually the case because of the way minor emission limit value (ELV) exceedances could be double counted.

Since then, the EA has consulted on the associated Compliance Classification Scheme (CCS) that is used to produce an annual compliance score for each site, something that has a significant influence on the subsistence charge payable. The consultation paper appeared last autumn, and responses confirmed that there was strong agreement for a number of changes to be made. To avoid unfairness, for example, some ELV breaches should be consolidated, and the maximum

period for suspending the counting of breaches should be more than six months where complex non-compliances legitimately needed to be addressed.

For reasons which are somewhat opaque, EA has decided not to proceed with these proposed changes at present, with no fixed start date. This leaves some permit holders in a frustrating position where they are paying over the odds for EA regulation and are being unfairly branded as presenting a higher environmental risk than is actually the case, a situation that EA recognises but has yet to deal with.

Following the outcome of the 2018 consultation exercise a new policy paper has appeared, Assessing and scoring environmental permit compliance, which replaces earlier CCS guidance, the OPRA scheme and elements of the EA's charging scheme. It applies from this calendar year and explains how non-compliances are now being scored, how the overall annual score determines a site's A-F compliance band and how that in turn affects the subsistence fee payable for the financial year commencing in the April of the following year.

For further information please contact:
paul.bratt@symmetrylaw.co.uk
victoria.joy@symmetrylaw.co.uk



Symmetry Law

tel: 0161 883 1000
0152 425 1613

www.symmetry-law.co.uk
contact@symmetry-law.co.uk

our services

regulatory
environmental
nuclear
commercial
construction
tax & green incentives
litigation
employment



Supply Chain
Charter for Nuclear
Decommissioning
Sites Signatory

Supplying to the Chemical Industry

Knowing your local supply chains is important, and suppliers of expertise, solutions and great products are right here in the northwest. CNW members have a strong association with and many years of experience supplying to the chemical industry. The companies listed in this directory cover a wide range of products and services. They have established customers in the sector, with proven track records. Many will be well known, long-standing firms and there will also be new and innovative businesses that you may not have heard about. Effective supply partnerships, delivering success for all! For more details, the websites for the listed companies and organisations can be found at:

<https://www.cia.org.uk/chemicalsnorthwest/Membership/Our-Members/>

Distribution, logistics & chemical handling

2M Holdings Ltd

Chemical distribution and related services of sample management, storage and blending. Provision of AdBlue, Samsol products, packed chlorine and TRIKLONE & PERKLONE chlorinated solvents. Markets served include: automotive, precision cleaning, coating, oilfield & refineries, flavours, fragrances, surfactants for personal care, household and industrial cleaning and pharmaceuticals.

Actikem Ltd

An ISO9001 certified business, specialising in a range of chemical processes and manufacturing services, including mixing, storage and re-packaging. We provide toll and custom manufacturing services for SMEs as well as blue-chip organisations, and supply customers with on-tap production facilities, offering them potential cost-savings and greater flexibility.

BakerCorp UK Ltd

Provision of rental products for transfer, storage and treatment of liquids. Specialising in liquid management solutions for demanding operations, with focus on the tank, pump and filtration product lines. From a single-product storage project to setting up an integrated multi-product solution. Initial chemical compatibility checks, 'job walks', CAD drawings and rigorous equipment maintenance schedules.

Brenntag UK & Ireland

Connects chemical manufacturers and chemical users in a value-adding partnership through tailor-made distribution solutions. Offers specific application technology, extensive technical support and value-added services (i.e. just-in-time delivery, product mixing, formulation, repackaging, inventory management and drum return handling). High safety standards and strives to make served industries sustainable.

Hosokawa Micron Ltd

Integrated powder processing technologies including: size reduction, air classification, mixing, drying, containment equipment such as glove boxes and downflow booths. Contract processing services for 1kg to multi-tonne lots. Remote monitoring solutions that include: condition monitoring, analytics for improving product quality and energy efficiency and on-line diagnostics for predictive maintenance and improved plant availability.

Innovative Packaging Solutions Ltd

A top tier COMAH operation offering many handling services: re-packaging of any class liquid chemicals from bulk isotankers, road tankers, IBCs and drums. Decanting, dosing and sampling. Packaging: HT pallets, strapping and shrink wrapping. Labelling of receipts and despatches. Storage services including: inside, outside or temperature controlled.

Kanon Liquid Handling Ltd

Design and manufacture of drum, IBC and container filling systems ranging from fully automated robotic systems to simple manual machines. Full range of marine, road and rail tanker loading/unloading and safe access

equipment. Distributor for Mann-Tek couplings, with repair facility and a 'return to base' option.

Warrant Group Ltd

Freight and logistics services and a founder member of EURTEAM, a dynamic, chemicals network specialising in international supply chain solutions for the chemical sector. CDI accredited and hold AEO status. Customer service staff hold hazard familiarisation certificates. Diverse chemical sector client portfolio, each with different complexities and a bespoke solutions requirement.

Education, training & skills

All About STEM

Lots of different projects to bring exciting Science, Technology, Engineering and Mathematics to schools across the region, linking them with business and industry expert volunteers inspiring the next generation of STEM specialists. Building and maintaining relationships with our schools, businesses, industry, colleges and universities so that we can strategically match-make opportunities with need.

Catalyst Science Discovery Centre

An independent charitable trust playing a pivotal role in promoting science across the Northwest. Catalyst works in conjunction with industry partners to excite young people about all STEM subjects and careers available within the science sector. Companies can also sponsor a local school to visit and attend industry days.

Centre for Industry Education Collaboration

CIEC supports companies in making credible and sustainable links with primary schools, in order to inspire the next generation of scientists and engineers. We train STEM professionals to improve their communication skills, and develop industry-focused activities for use directly by teachers or by ambassadors visiting schools.

Chemistry with Cabbage

We work with students of all ages, demonstrating through practical experiments, the relevance of chemistry in solving problems. Research shows that children make career choices very early on, so capturing their imagination early is important. Chemical companies are welcome to support our hands on work in primary schools.

EngineeringUK

Not-for-profit organisation promoting the contribution made by engineers to society. We partner business and industry, government and the wider science & engineering community, producing evidence of the state of engineering. Sharing of knowledge and inspiring young people to choose a career in engineering.

Manchester Metropolitan University

Vocational training and applied research. The Division of Chemistry and Environmental Sciences trains undergraduate and postgraduate students in chemical, environmental, pharmaceutical and polymer science and technologies. Con-

tinuous professional development, consultation services and contract research facilities.

SEERIH

The Science & Engineering Education Research and Innovation Hub positively influences the experience of young people in science and engineering. Expertise in curriculum and teacher development, applied research and creation of innovative projects related to primary science and associated STEM disciplines. Inspiring excellence in teaching and learning in science education.

The Outward Bound Trust

An educational charity that uses the outdoors to help develop young people. Experts in the development of early talent and specialising in providing experiential learning and development programmes for apprentices and graduates. Identification, development and change of people behaviours in line with organisational needs.

TTE Training Ltd

Engineering training and apprenticeships focused on whole person development and bridging the sector's skills gap. The learning environment will be one which is welcoming, safe and inspiring, appropriate to the subjects and responsive to the needs of the learner.

University of Chester

Faculty of Science & Engineering offers new degrees in chemical engineering, electronic & electrical engineering, mechanical engineering, natural sciences alongside established degrees in mathematics and computer science. Close links to local chemical companies with student placements and collaborative research projects.

Wirral Met College

Provision of education and training, supporting innovation and development. The College is pioneering SIP traineeship programmes with local employers, preparing young people for science apprenticeships. New STEM Centre opened in 2016.

Engineering products & services

Altrad Services

An international leader in the provision of critical industrial services principally to the energy, infrastructure and natural resources sectors. The multi-disciplinary service includes access systems, insulation, specialist coatings, passive fire protection, engineering services, refractory linings, environmental services, oil and gas storage tanks and heat exchanger replacement and refurbishment.

Chem Resist Group Ltd

Design, manufacture and installation of corrosion resistant process plant. A wide portfolio of thermoplastic process plant, an extensive range of pumps and ancillaries and complete pipework installations, upgrades and repairs. Aggressive and corrosive applications for pumps (1m³/hr to 1000m³/hr, heads to 100m) valves and level controls.

Know your supply chains

Derwent James Ltd.

Providing outstanding safety equipment, consultancy and expertise for your company. Exclusive UK agents for Dopak chemical sampling systems. Over two decades experience in the design and supply of safe manual sampling systems for chemical liquids and gases. Consultancy and supply of mechanical interlocks, lockout tagout and portable valve drives.

DHD Cooling Limited

Design, installation and maintenance solutions for industrial cooling. Our service extends to cooling system inspection, testing, service, maintenance and new equipment capability. Regulatory and reliability assessments, thermal performance improvements, turnkey projects and carbon footprint reduction.

Dron & Dickson Ltd

The supply and maintenance of hazardous area electrical equipment. Working together with our clients, our Engineering Services Management and Wholesale divisions are able to offer bespoke solutions incorporating the very latest industry standard and safety legislation. From initial concept, incorporating the latest products from the leading manufacturers with tailored maintenance solutions.

Glacier Energy Services

Onsite Machining; design and manufacture of equipment for precision pipe cutting and onsite machining. Heat Exchanger design, manufacture, repair and refurbishment. Welding. NDT services performed by highly qualified technicians. Provision of turnkey solutions in respect of surface and subsea production equipment. Great customer value, highest standard of service and best-in-class HSEQ performance.

HTS Engineering Group Ltd

Process safety and safety instrumented systems, delivered with a high level of engineering and expertise with cost efficiency. Four key engineering services that can be tailored individually or as one complete solution: process control & software engineering, engineering & design, site installation and inspection services.

Laker Vent Engineering Ltd

Supply, fabrication and installation of process and utility piping systems. Project management, detailing, procurement, on and off-site fabrication and installation of pipework and coded welding. Associated steelwork supporting and mechanical installation of plant and equipment. Testing and handover. Pipework and steelwork is fabricated to specific customer-needs and conforms to all appropriate ISO, BS EN and ASME standards and specifications.

Lokring Northern (UK)

Special mechanical fitting system that produces a permanent weld equivalent pipe connection, eliminating the need for hot work, NDT and associated health and safety issues. Lokring fittings are code qualified to ASME B31.1, B31.3 and other industry standards. A proven cost saver compared to traditional welding and fabrication methods.

Manntek AB

Supply of safety dry disconnect and safety breakaway couplings. Comprehensive range of specialist dry quick release couplings to suit 99% of known chemical applications. Bespoke solutions with a size range of ¾" to 8" nb. Dry disconnect couplings are made to NATO standard Stanag 3756.

Oranmore Environmental Services Ltd

Full turnkey solution for above and below ground infrastructure, ranging from structural surveys to full repair and maintenance of drainage systems, chambers, sumps, pipes, tanks and associated assets. Minimum downtime and disruption for our clients.

Perry Process Equipment Ltd

Buying and selling of high quality used processing plant and equipment. Savings of up to 70% on the cost of process equipment, full mechanical and electrical refurbishment and equipment immediately available from stock. Centrifuges, dryers, evaporators, filters, heat exchangers, mills, mixers, reactors, separators, tanks.

Studley Engineering Ltd

A multi-disciplined mechanical and electrical engineering contractor, Providing a comprehensive service to the process industries in disciplines including: steelwork, welding, maintenance, site services, pipework, tanks and vessels. Over time we have gained an enviable reputation as a reliable, responsive, motivated contractor that delivers safe, high quality, cost effective work.

Swagelok Manchester

Fluid system solutions, products, training and services. Supply of over 7000 fluid system components including; fittings, hoses, tubing, regulators, equipment servicing and custom fabricated solutions. Provision of practical information, know-how, tools and speciality services needed to purchase, manage and apply them successfully.

Engineering project management & energy

Clarke Energy

Specialists in the engineering, installation and maintenance of reciprocating engine-based Combined Heat & Power (CHP) plants. Offering ranges from supply of an engine through to turnkey installation of a multi-engine power plant. Our facilities deliver fuel efficiency, dramatically lower energy costs and help reduce carbon emissions. Carbon dioxide can also be recovered.

Comeca

Energy distribution and management and associated services. Automation & control commands, cabling solutions, low & medium voltage switchboards, HVAC solutions, electronics and power electronics. We are a solid and innovative business partner, with strong knowledge of the major trends in the energy market such as energy efficiency, renewable energy sources and infrastructures for electric vehicles.

E.ON Energy Solutions

As experts in Combined Heat & Power (CHP) we take the time to understand your core business drivers to shape an economically optimised energy solution that supports your long-term strategy. We're at the forefront of energy markets, driving change in response to global mega-trends, including digitalisation, decentralisation of generation, the de-carbonisation of heat and power, and Industry 4.0

Fichtner Consulting Engineers Ltd

International engineering and project management. Provision of mechanical, electrical, process and chemical engineering design services. Strong focus on thermal combustion and full range of processes associated with power applications. Recent growth in renewable energy sources such as: solar, anaerobic digestion and onshore wind projects.

Otto Simon Ltd

Diverse engineering consultancy and project delivery organisation. Initial consultations, technical and commercial due diligence and front end design and definition. Feasibility studies through design, supply, erection, and commissioning services using in-house and licensed technology. Services for complete plants or upgrades. Procurement, construction management, start-up and operation & maintenance expertise.

PM PROJEN

A multi-disciplined engineering, design and project management business working across a range of market sectors for a diverse mix of clients from SMEs to multinational blue-chip companies. Part of PM Group, a 2,200 strong, employee owned company operating across Europe, Asia and the USA.

WorleyParsons Resources & Energy

A professional services company delivering, concept, prefeasibility and feasibility studies, FEED and Detail Engineering, Procurement and Construction. We also offer a wide range of advisory services. We support the chemicals, hydrocarbons, infrastructure and minerals & metals sectors over their full lifecycle, providing end to end services.

Engineering, IT & process consultants

ABB Ltd

ABB delivers high value consulting and lifecycle services to help companies in the global high hazard industries achieve operational excellence. Offering expertise in: inspection, integrity management, maintenance and reliability, obsolescence management, process safety, project services, late life and demolition, technical engineering, software and technical training. Benefitting customers by reducing risk, optimising cost and improving efficiency.

BPE Design and Support Ltd

Progressive and innovative process engineering consultancy. Extensive process development and scale-up experience and process modelling and simulation is a core expertise. Early stage concept and feasibility studies as well as subsequent design, commissioning and qualification stages. Independent HAZOP chairing, ATEX/DSEAR assessments and SIL/LOPA studies.

Gexcon UK Ltd

Safety and risk management and advanced dispersion, explosion and fire modelling. Unique expertise and shared knowledge on how to prevent explosion accidents. Carrying out accident investigations and dedicated facilities for physical testing. Ventilation and dispersion modelling also available. Hazardous area classification and quantitative and qualitative risk analysis and assessment.

HFL Consulting Ltd

A unique blend of leadership, management, consulting, engineering and training services is offered to the chemicals industry. A forerunner in sustainable process safety management combined with proven business improvement capabilities enables delivery of practical solutions to promote safety and efficiency in design, operation and maintenance of complex hazardous facilities.

Peak42 Ltd

Process control, industrial automation systems and manufacturing analytics. A unique combination of automation projects,

consultancy, and performance improvement services delivered by experienced teams. FEED, process control projects, legacy asset replacements, control room and operational technology, modern manufacturing analytics solutions.

Reliable Manufacturing

Reliability-based change management consultancy. A pragmatic approach delivers improved asset availability, reduced operating costs, improved HSE performance and increased employee motivation and satisfaction. Support with implementation of operations and maintenance best practices which facilitate organisational cultural change. A unique range of effective workshops, tools and masterclasses, help get the messages over.

Siemens Digital Factory & Process Industries and Drives

Productivity and efficiency requirements continuously increase in the field of process automation. A comprehensive range of process automation and Drives products as well as an award-winning range of training and support services.

Environment, health & safety risk management

AB Risk

Human factors and process safety risk consultancy for process industries. Expertise includes safety critical task analysis, staffing assessments, alarm management, control room design, human factors engineering in capital projects, safety reports. Engineer with extensive human factors experience taking a systems view, assessing complex situations and developing practical and effective solutions.

BakerRisk Europe Ltd

Dedicated to help predict, prevent and mitigate hazards and explosions, fires and toxic releases. Specialising in process safety and risk management, we help clients understand their risks and offer cost-effective risk management solutions. Success is delivered through proven knowledge and experience, innovative research and unique engineering capabilities.

Chemical and Industrial Consultants Association

An association of independent consultants with extensive experience, many having worked in the chemical industry, across various fields. Provision of technical and business advice on almost every aspect of chemical manufacture, development, marketing and management.

HSD Safety Ltd

Valued experience in providing accurate analysis of hazards, identification and assessment of controls and pragmatic advice for further improvements. Services include: hazard identification (PHA, FTA, FEMA, HAZOP, LOPA/SIL, QRA), fire risk assessments, COMAH/Seveso support, bespoke training and legal representation.

RAS Ltd

Expertise that covers the full range of risk assessment and management services across; safety risk, business risk and environmental risk. Carry out Quantitative risk Assessments and Predictive & consequence modelling, through 'softer' risks affecting an organisation's reputation.

RPS Group

Provision of specialist consultancy to help those with responsibility for health and safety achieve compliance. With particular expertise in the chemicals sector, we provide support from plant development through to operation. Core services include: ATEX/DSEAR, asbestos, BowTie analysis, CDM, COMAH support, fire safety engineering, functional safety, hazard identification, Legionella, occupation health and risk assessment/analysis.

Facilities, finance and other business services

ChemQuest Ltd

Sourcing and procurement solutions for research and development. Expertise in biochemical, chemical, nanotechnology, cell cultures, equipment, consumables and sundries. Streamlining and simplification of importing and purchasing processes.

Deloitte UK

Provision of the full range of financial and business services including: auditing & assurance, mergers & acquisitions, global business tax and strategic capital and human consulting. Expert risk advice is available in the areas of finance, operations, cyber security, regulatory and reputation.

Department for International Trade – Northwest

Operational support for British exports as well as facilitating inward and outward investment activity. Support is given to first-time exporters or established exporters requiring more help with accessing more difficult markets or putting strategic alliances in place. Access to expert advice, trade services, training and events.

Falck Fire Services UK

A leading, global and dedicated emergency services provider and fire-fighting specialist to high risk industries. Tailored outsourcing contracts and a high quality integrated fire protection system. Incident fire training courses for emergency response teams, including practical scenarios. Consulting services specialising in fire and explosion hazard management.

Grant Thornton UK LLP

One of the world's leading organisations of independent advisory, tax and audit firms. We help dynamic organisations unlock their potential for growth by providing meaningful, forward looking advice. Provision of assurance, tax and advisory services. A dedicated Innovation practice that has an enviable track record of working with successful and dynamic companies to realise their ambitions for growth.

Halton Borough Council

World renowned research facilities such as Sci-Tech Daresbury and The Heath alongside many companies at the cutting edge of science, technology and advanced manufacturing. We oversee capacity in terms of land, buildings, people and business support creating a world class location.

Pen Underwriting incorporating OAMPS

Specialist Insurance services to high hazard manufacturing and haulage industries. Motor fleets, property, liability and transit policies. We

help clients minimise risk through proactive risk management and a range of training and response services to assist companies in planning for and dealing with incidents and emergencies.

Sci-Tech Daresbury

We are a national science and innovation campus, and enterprise zone providing a range of office, laboratory and workshop accommodation for technology companies (from a desk to large laboratory and office units). Companies have access to a range of facilities covering material analysis, virtual design & simulation, and rapid prototyping.

STFC Innovations Technology Access Centre

A unique, fully equipped space for innovation, research and development. Providing flexible access to laboratory space, "hot labs" and scientific equipment. Ideally suited to start-up companies, smaller and medium size enterprises and R&D team from established companies.

TW Languages Ltd

Provision of a professional and reliable multi-lingual translation service delivering high quality translations. We specialise in business, technical and scientific translations into 250+ language combinations. We provide certified translations for legal purposes. We are full members of the ATC & EUATC and ISO 17100 Translation Services certified.

Laboratory products, testing and services

Chilworth Technology Ltd

Process safety testing services aimed at helping companies avoid major incidents such as fire, explosion or loss of containment. Combining process safety engineering and management expertise with the use of test data allows us to help clients achieve the most effective and practical approaches to safe and efficient processes.

Envigo

Envigo provides essential research services, models and products for biopharmaceutical, crop protection, and chemical companies as well as universities, governments, and other research organizations. Our business is founded on a dedication to customer service and the expertise and experience of our 3,800 people.

Kindlow Safety Services

Provision of process safety testing and consultancy. Understanding of needs to control hazards such as dust explosions, thermal decomposition and runaway chemical reactions. Fully equipped laboratory and experienced team help achieve your safe operating conditions. Other services include: HAZOP, aerosol safety, REACH testing and process safety training.

Labtex Ltd

Suppliers of leading laboratory products and process scale-up equipment. The list includes: HUBER liquid temperature control systems, DIEHM glass reactors to 100 l, PREMEX and AMAR high pressure autoclaves, POPE wiped film or short path evaporation and distillation, Nutsche filter dryers and many more.

Know your supply chains

Smithers Viscient

Environmental testing and regulatory services, carrying out environmental, consumer safety contract research and regulatory services. Plant metabolism, aquatic ecotoxicology, avian toxicology, environmental fate, honeybee and pollinator testing, endocrine disruptor testing, residue, analytical and product chemistry.

XCellR8 Ltd

A world leader in animal-free testing. Our GLP accredited laboratory provides ground-breaking in vitro safety tests for the chemical and personal care industries. We are passionate about delivering testing strategies that are both scientifically advanced and ethically sound. Our award-winning work is recognised at a regulatory level by the OECD and ECHA.

Legal & patents

Appleyard Lees LLP

Patent and trademark attorneys. Aim to obtain the best possible patent protection for clients. Experience of product clearance against competitor patents and in due diligence for mergers and acquisitions. Advice on licensing issues and collaboration agreements relating to IP.

Bawden and Associates

A legal firm providing professional services across all IP matters. Drafting and prosecution of patent applications, handling opposition and appeals in the EPO and in litigation in UK and international courts. Business led and strategic approach to generate assets of real commercial value.

E3 employment Law LLP

Specialising in employment law. The resolution of the full range of employment law and industrial relations issues to suit individual businesses. Delivering employment law advice which provides outstanding commercial value.

Marks & Clerk LLP

Intellectual property services, advising start-ups, SMEs and multi-nationals with large global IP portfolios. Comprehensive range of IP services covering patents, trade marks, designs and copyright. Obtaining protection worldwide, portfolio management, strategic and commercial advice, licensing, enforcement, due diligence, valuations and litigation.

RW Legal Ltd

Provision of pragmatic legal advice to companies in the chemical sector. Particular expertise in drafting and negotiating commercial contracts. Managing legal risk through early involvement to save time and resources in the long run. Competitive rates and flexible fees without sacrificing quality.

Squire Patton Boggs (UK) LLP

Global legal company providing legal, regulatory and advocacy assistance to the chemical and performance material industries. Expertise that emphasises areas that mean the most to industry such as environmental, mergers and acquisitions, commercial finance, construction, litigation, IP, public policy and international expansion.

Symmetry Law

Specialist law practice structured to provide “partner” level experts at “junior” level prices, with a focus on the ‘high consequence’ end of the spectrum. Legal services include: environmental, safety, regulatory, contracts, tax, construction, green incentives, litigation.

Withers & Rogers LLP

A leading UK and European intellectual property law firm with five offices including London and Munich. We offer a range of IP services including obtaining UK, European and worldwide patent or trade mark protection, the handling of contentious matters, advice surrounding licensing arrangements and issues including validity of patents and “freedom to operate”.

WP Thompson

Intellectual property attorneys providing high quality advice to start-ups, SMEs or FTSE 100 companies. Team of experienced IP attorneys specializing in chemistry and life sciences, with first degrees and PhDs in these fields. Securing the most appropriate, cost effective and commercially valuable protection for your intellectual investment and innovation.

REACH and chemicals services

Baytouch Ltd

Internet-accessed subscription based services that support regulatory compliance in the global chemical industry. Solutions include: ProductTraQ – substance volume tracking and supply chain management, PSMonitor – workplace safety management software for high hazard facilities, ReachSuite – SIEF management and other REACH compliance features. Innovative software-as-a-service solutions.

Dr Knoell Consult Ltd

An independent service provider for the chemical and related industries. Globally the Knoell group has over 450 employees covering all aspects of regulatory compliance for industrial chemicals, agrochemicals and biocides: e.g., strategic planning, dossier preparation, exposure assessment, SDS preparation, and from REACH to K-REACH!

GlobalMSDS

A complete safety data sheet/literature and regulatory service for your entire product communications in any language, style and format required. HazMix® is a new ‘pay as you go’ web-browser product that is setting a new standard in SDS authoring. A Solutions service that also provides technical advice.

Intertek Regulatory Services

Health, environmental and regulatory services for implementation of chemicals management. Worldwide registration of chemicals, food contact compliance and notification, global chemicals compliance, design/optimisation of toxicological and eco-toxicological studies, hazardous substance management, EU cosmetic and biocidal products compliance, classification & labelling, SDS consulting.

SIAM (Soluciones Informaticas Ambientales)

Information technology and software solutions. Includes the software for the generation of SDSs,

labels and transport documents in relation to European legislation. Assisting companies in compliance with regards REACH, CLP, GHS, etc.

Stewardship Solutions Ltd

Provision of chemicals regulatory services to organisations across many industry sectors and throughout the world. REACH and CLP compliance is a primary focus, and REACH registrations programmes are a core strength. The company has achieved significant savings in the costs of REACH compliance on behalf of many of its SME clients. Stewardship Solutions is a REACHReady-approved service provider.

The ACTA Group

Assisting companies with complex compliance issues under multiple regulatory schemes, including N American, EU, S American, Asian and Pacific rim regulatory programmes. Expertise in product approvals, product review and REACH compliance. Provision of REACH registration dossier submission, lead and joint registrations.

Recruitment

Airswift

Provision of international workforce solutions to the energy, process and infrastructure industries. Placing candidates into their ideal role; rehiring a contractor from one project to the next; mobilising people around the world quicker; searching and selecting a senior executive to fill a key position; or implementing an agile workforce strategy.

Hybrid Search

A search firm that can achieve outstanding results across commercial, engineering, operations, supply chain and procurement disciplines. Consulting practice delivering: team assessments using competency based assessment and psychometric testing, career transition workshops that provide guidance and job market intelligence and talent mapping & pipelining for future talent planning.

RMG

RMG is an award-winning headhunting consultancy with a difference - we make it our business to search and understand who's who in the Chemicals and STEM sectors and have the know-how to find talented people who will deliver lasting impact and add financial value to your organisation.

Science Recruitment Group

Experts in the recruitment of scientific, regulatory, quality, engineering and technical professional across all areas of the industry. Support in recruiting temporary, contract or permanent staff for your team.

TransitionPlus Ltd

Executive search for science based organisations, talent development, outplacement and career transition support. Experienced chair, NED, coach and business development consultancy. The “Plus” is to ensure that considerable attention and investment is given both before and after the recruitment to ensure that company culture and “fit” are clearly understood.

We've got it covered



Environmental Fate



Plant & Animal
Metabolism



Residue Chemistry



Endocrine Testing



Terrestrial
Ecotoxicology



Risk Assessment
& Modelling



Aquatic
Ecotoxicology



Analytical & Product
Chemistry



Regulatory
Services



Avian, Wildlife &
Mammalian Toxicology



Global Chemical
Notification



Pollinators

www.smithersviscient.com
info@smithersviscient.com

Helping members to manage their **Climate Change Agreements**



CIABATA

Key elements of CIABATA's role include:

- Helping new entrants to join the chemical sector CCA
- Working with participants to support their compliance with CCA obligations including collecting and reporting data on performance against targets to EA
- Negotiating with Department for Business, Energy and Industrial Strategy (BEIS) to agree CCA targets for the sector and its participants
- Helping members to manage their Climate Change Agreements and save on energy tax

www.cia.org.uk

CIABATA is the subsidiary company of the Chemical Industries Association, which manages and administers the chemical sector climate change agreement (CCA) with the Department for Business, Energy and Industrial Strategy (BEIS) and the Environment Agency (EA) on behalf of participating members.