

# WELCOME



## NEPIC Best Practice in Industrial Asset Management Conference & Expo 2023



Programme sponsor



# NEPIC Best Practice in Industrial Asset Management Conference & Expo 2023.

## What to expect.

During the event we will demonstrate transferable lessons from across the manufacturing spectrum, that Production and Engineering Managers can apply to their own operations, as well as showcasing the broad range of asset management capabilities that are available within the region.

## Contents.

5

**Useful information.** Everything you need to know, from wifi passwords to lunch arrangements.

6

**Event agenda.** Including speaker names and presentation titles.

9

**Our speakers.** Find out more about each of this year's fantastic line-up of speakers.

25

**Exhibitors.** Find out more about each of our exhibiting companies.

36

**Floorplan.** Please refer to our floorplan to enable you to maximise networking opportunities.

# This is Maint.ai

Reducing opex while delivering unrivalled asset reliability through data-driven solutions and proven global experience.

Maint.ai combines artificial intelligence, expert domain knowledge, and decades of global experience with the power of asset data to reduce maintenance effort by 30% and operating costs by 20%, while assuring production reliability.



wood.

## Useful info.

<b>WIFI</b>	Search for <b>Hardwick Hall Corporate!</b> and enter the password: <b>01Password!</b>
<b>NETWORKING</b>	Please refer to the agenda on pages 6 & 7 for networking break times.
<b>REFRESHMENTS</b>	Complimentary tea & coffee will be served alongside timetabled breaks.
<b>LUNCH</b>	Lunch will be provided to all registered delegates and exhibitors and served between 13.10 - 14.20.
<b>TOILETS</b>	Toilets are located within the Coleman Suite.

## Event agenda.

<b>09.20</b>	<b>Welcome &amp; Introduction</b> Ryan Siddall, Head of Technical, NEPIC
<b>09.30</b>	<b>Kevin Stewart, Wood</b> Unlock The Power of Your Assets Data Through maint.ai
<b>09.50</b>	<b>Philippa Kendrick, Frazer-Nash Consultancy</b> Development of Asset Management Maturity at the UK's leading LNG Importation Terminal
<b>10.10</b>	<b>Ian Nelson, Endress + Hauser</b> Innovative network-based asset collaboration in equipment-intensive manufacturing industries
<b>10.30</b>	<b>Martin Graham, Piramal</b> Effective Engineering Maintenance Strategies and Capital Investment Plans
<b>10.50</b>	<b>Ben Caley, Siemens</b> Asset Management and Cyber Security in the Chemical Industry
<b>11.10</b>	<b>Morning networking break &amp; Exhibition area browsing</b>
<b>11.50</b>	<b>Dr Alan Mahoney, PPCL</b> Optimizing Energy Usage with Geometric Process Control
<b>12.10</b>	<b>Christine McKie, px Energy Solutions</b> Net Zero – An Assets Journey

## Event agenda.

<b>12.30</b>	<b>Cyrus Sorab, IFS</b> How Intelligent APM helps asset owners achieve their New Net Zero ambition.
<b>12.50</b>	<b>Joao Vasques (PhD), DNV</b> Adding value through RAM analysis: Performance Forecasting for the process industry towards a Net Zero future.
<b>13.10</b>	<b>Lunch, Networking &amp; Exhibition Stand Browsing</b>
<b>14.20</b>	<b>Matt Cloran, Kluber Lubrication</b> Best practice in asset management and energy efficiency through lubrication
<b>14.40</b>	<b>Rob Johnson, Axiom Engineering Associates</b> Nursing Assets to Shutdown
<b>15.00</b>	<b>Matthew Waller, RVA Group</b> Asset End of Life and Decommissioning Plans
<b>15.20</b>	<b>Joe Hodgson, BPI Auctions</b> Disposal of Assets
<b>15.40</b>	<b>Event Wrap Up</b> Ryan Siddall, Head of Technical, NEPIC

# Our speakers.

## Find out more.

Read on for further details on each of this year's presentation topics and our speakers' backgrounds within the industry.

## Our speakers.



### Kevin Stewart

Operations Manager & Product Owner  
for Maint.ai  
Wood

**Presentation Title:** Unlock The Power of Your Assets Data Through maint.ai

Assets are being challenged to transform performance and extend operational life by dramatically reducing operating costs and emissions, while improving both safety and production throughput and availability. At the same time, value is being lost due to production shortfall and unforeseen costs. Experienced skilled labour is in short supply and our businesses need to focus on transformational projects which support a safe, secure & stable energy transition.

Wood's intelligent asset optimisation specialists have been working closely with clients, including the Wood-operated CATS Terminal on Teeside, to understand and address the main causes of these issues, deploying advanced analytics and embedding them client side to transform equipment maintenance and end-to-end operations.

### About Kevin

A Chartered Fellow of the Royal Society of Chemistry, Kevin Stewart has a consistent track record in employing best business practices that improve facility efficiency and reduce operating costs while improving asset integrity. Kevin is the Product Owner for maint.ai & leads delivery of the programme for Wood.

Kevin is a highly accomplished operations and maintenance leader with over 10 years of service at Wood & 15 years in the oil and gas industry. Kevin led the decommissioning of the Jacky platform and also spent several years as part of the Beatrice Field Duty Holder Team managing a large operating hub, several NUIs, wind turbines and onshore terminal. He was instrumental in extending the field life of these ultra-late life assets and managing their transition through late and ultra-late life, cessation of production and decommissioning.



# Maximise the value of Enterprise Asset Management software for chemicals companies

Anthesis can unlock the value of IFS Cloud software to help you understand the complete view of your assets, improving availability, reliability and energy usage. Monitor the health of assets, drive predictive maintenance and quickly repair failures without impact to productivity.



## Our speakers.



**Philippa Kendrick**  
CEO Senior Consultant  
Frazer-Nash Consultancy

**Presentation Title:** Development of Asset Management Maturity at the UK's leading LNG Importation Terminal

Many operators across the process sector own and operate assets of varying vintages, often with an asset management strategy that is focussed on “operate and maintain”. This presents a number of challenges when trying to validate the assets as “fit for service” for continued use and, in parallel, develop a strategy for transition to Net Zero.

Frazer-Nash recently undertook a project with National Grid's Grain LNG site in Kent to help address these challenges. The presentation will outline the approach taken and how the project delivered not only a strong foundation on which multiple re-life projects have been based, but has also improved the maturity of asset management thinking across the organisation.

### About Phillipa

Philippa is an accomplished engineering consultant with experience of delivering multi-disciplinary asset management projects across varied business sectors. Notably, she recently worked on an asset re-life project for Grain LNG, a major Liquefied Natural Gas terminal here in the UK. The site operates a range of assets of varying ages, some dating back to the 1970's.

Using asset management principles, Philippa led the initial study to understand where to put the effort in and when. She then went on to help Grain LNG deliver the large programme of projects recommended during the initial study.

## Our speakers.



**Ian Nelson**  
Industry Manager - Chemical  
Endress+Hauser UK

**Presentation Title:** Innovative network-based asset collaboration in equipment-intensive manufacturing industries

Endress+Hauser and key customers in the process manufacturing industry are sharing structured and unstructured data, such as equipment maintenance strategies and manuals, spare parts data, performance analysis and feedback, in a cloud-based business network that helps them avoid manual information exchange, costly system integrations, and data aggregations. This digital twin of Endress+Hauser equipment consolidates multiple information channels into one.

The presentation will look at: Why SAP Master Data Integration?

- From an OEM as well as User's perspective
- From a maintenance perspective
- From a user perspective
- Procurement in SAP Business Network for Asset Management

### About Ian

Ian has 30 years' experience in process control, with over 17 years working at Endress+Hauser.

Now specialising in the Chemical Industry, he the experience gained directly at customer sites and works closely with the company's production centres to ensure Endress+Hauser delivers products, services and solutions of value to customers.

## Our speakers.



**Martin Graham**  
Director of Engineering, Piramal  
Piramal

**Presentation Title:** Effective Engineering Maintenance Strategies and Capital Investment Plans

In a very competitive world and escalating costs it's even more important any capital investment is prioritised and focused in the right areas and all assets are maintained and monitored effectively to minimise any unnecessary expense.

At Piramal new strategies have been introduced around Maintenance Management Systems, Capital Investment Prioritisation and Energy reduction.

The presentation will focus on the approach and adoption of these strategies in a real life example.

### About Martin

Over 30 years' experience in engineering having been responsible at senior level for managing diverse complex facilities with full P&L accountability for global organisations such as RioTinto Alcan, Philips Electronics, and Corning Glass. Working in industries such as Electronics, Power Generation, Mining, Smelting, Glass Manufacture, Food manufacture, Maritime Industry and now Pharmaceuticals.

As Director of Engineering, Facilities and IT he leads a diversified technical team of over 60 staff in the development and delivery of what is the best-in-class maintenance programs, effective management of capital expenditure and a technical robust IT infrastructure strategy.

## Our speakers.



**Ben Caley**  
Product Manager - Industrial  
Communications and Cyber Security  
Siemens

**Presentation Title:** Asset Management and Cyber Security in the Chemical Industry

This presentation will look at OT Cyber Security in the Chemical Industry, encompassing:

- The OT Cyber Security Landscape
- The importance of asset management in cyber security
- Standards, legislation and directives

### About Ben

Ben Caley heads product management for Siemens Digital Industries' Connectivity and Cyber Security business in the UK. With a background in industrial automation, IoT and cyber security, Ben's focus is to support the adoption of cyber security and networking best practices into industrial environments.

## Our speakers.



**Dr Alan Mahoney**  
Operations Director  
PPCL

**Presentation Title:** Optimizing Energy Usage with Geometric Process Control

Geometric Process Control (GPC) comprises novel multivariate visualization and machine learning (ML) modeling techniques that can be applied by process and process control engineers without complicated mathematics.

This presentation looks at applying these techniques to agile process operation under changing energy landscapes, showing how operational targets can be synthesized visually from past operating data, then continuing to show the greater rewards possible with dynamic real-time targets based on full multi-dimensional operating envelopes.

Case studies showing potential savings from both off-line and on-line optimization are included.

### About Alan

Alan Mahoney received his BS in Chemical Engineering from the University of Illinois at Urbana-Champaign and his PhD from Purdue University looking at Population Balances and Model Predictive Control. He has had a diverse career in industry and academia and is currently Technical and Operations Director at PPCL.



## Our speakers.



**Christine McKie**  
Managing Director  
px Energy Solutions

**Presentation Title:** Net Zero - An Assets Journey

px Energy Solutions is part of px Group, the leading provider of services in the process, energy, and high-complexity industrial sectors and a company that has a rich history of working with clients to optimise their energy assets and decarbonise their processes.

Our vision is to deliver net zero and stakeholder success through elite performance in the safety, availability, reliability and efficiency of energy infrastructure, industrial processes and related commercial activities – unlocking value for our customers as a trusted partner.

### About Christine

Christine McKie, Managing Director of px Energy Solutions is responsible for and oversees all elements of the business, including commercial strategy, on-site execution, and post-installation and development work.

Christine joined px Group nearly 25 years ago and knows all aspects of the px Group business. Christine first joined px Group in its Information Technology team but has also worked in energy trading, procurement, commercial, project development, business development and financial roles prior to commencing the role of Managing Director, px Energy Solutions in 2022.

## Our speakers.



**Cyrus Sorab**  
Principal Architect - EAM  
IFS

**Presentation Title:** How Intelligent APM helps asset owners achieve their New Net Zero ambition.

In this presentation, we will talk through the positive impact APM has on an organisation's ESG objectives. Energy Consumption is a key cost driver and yet is sometimes overlooked when considering an Assets TCO & ROI. We will highlight the tangible benefits of effective Energy Monitoring, providing real world examples of where insights from Energy Monitoring/Reporting have led to significant improvements in the drive towards "Net Zero". We will discuss how today's energy crisis has driven awareness of the need to manage our Assets energy consumption & pressed home the importance of energy monitoring/reporting at an asset/asset class level. Energy usage & carbon emissions have always been tightly coupled so let's examine how we can turn green into gold by understanding our assets better. A more effective understanding of how the energy they consume, not only effects an asset's ability to deliver against "Net Zero" objectives but also helps improve the Asset owner/operator's margins.

### About Cyrus

Cyrus's has spent the last 24 years helping organisations improve their application of technology, working practices & bottom line. His first exposure to the world of EAM was at Blue Circle/Lafarge Cement UK, joining, and eventually leading, the IT Business Systems team for Manufacturing, Inventory & Procurement, He spent the next 10 years helping customers understand the benefit of EAM and demonstrating the role technology can play. Cyrus joined IFS at the start of 2022 as their Principal Architect, EAM. He is passionate about helping customers from around the world deliver & realise value from the effective use of technology.

## Our speakers.



**Joao Vasques (PhD)**  
Senior Consultant  
DNV

**Presentation Title:** Adding value through RAM analysis: Performance Forecasting for the process industry towards a Net Zero future.

The purpose of this presentation is to provide more detail on the Reliability, Availability and Maintainability (RAM) analysis methodology, and how its implementation can benefit both traditional and upcoming Low Carbon Applications.

A RAM analysis is a proven quantitative technique for Plant Reliability modelling in the asset management sector. The analysis comprises the development of a model representation of the asset(s) under investigation and forecasting through event-driven Monte Carlo-based simulations how parameters such as reliability, maintainability and operational philosophies influence overall performance and availability.

As a forecasting tool supporting projects in either design and operational phase, RAM allows identification of areas of potential improvement and permits the investigation of the true quantifiable benefits of alternative design, maintenance, operational or sales strategies.

### About Joao

Joao Vasques is a Senior Consultant at DNV, working within the UK's Performance Forecasting Team. Core competences include supporting customers through the delivery of quantitative-based Performance Forecasting assessments. Asset Management solutions are therefore provided through the use of a Reliability, Maintainability and Availability (RAM) modelling approach, which allows the definition and performance optimisation of a wide range of assets in the Energy and Processing sectors.

## Our speakers.



**Matt Cloran**  
Area Sales Manager  
Klüber Lubrication Great Britain

**Presentation Title:** Best practice in asset management and energy efficiency through lubrication

Klüber Lubrication is one of the world's leading manufacturers of specialty lubricants, supplying virtually all industries worldwide with high-performance solutions that increase efficiency, reduce costs, and improve your carbon footprint.

Without specialty lubricants, our highly engineered world would come to a standstill: cars, trains and ships wouldn't move, machines would breakdown, no water would come out of the tap and even the clocks would stop...it would also be dark and cold because electrical installations, heating systems and energy suppliers are similarly reliant on lubricants.

The chemical industry contributes approximately 20 percent of the world's greenhouse gases (GHG) total, but specialty lubricants and meticulous monitoring can benefit industrial applications found in the chemical industry such as compressors, gearboxes, heat-transfer systems, and exchangers.

### About Matt

Matt Cloran is an Area Sales Manager for Klüber Lubrication, a leading manufacturer of specialty lubricants. In his role Matt predominantly focuses on the Chemical and Process Industries. Matt is keen to share ideas on Lubrication Management, Energy Efficiency, and Total Cost of Asset Ownership.

## Our speakers.



**Rob Johnson**

Director

Axiom Engineering Associates

**Presentation Title:** Nursing Assets to Shutdown

When an asset is inspected and an in-service damage is found, what often follows is a fitness for purpose (FFP) assessment. This is to quantify the nature of the damage in relationship to the item's structural integrity. For pressure systems, this often involves applying well established FFP techniques, using recognised codes and standards. The aim is to help the client determine which of the three R's to action: Retire, Re-rate or Repair.

But one question that often arises is, what can be done to 'keep it going,' especially until a more convenient time can be found to act. This time usually being a future planned shutdown. The equipment in question is usually a critical plant item, where taking it out of service would affect the viability of the whole plant operation. Nursing assets to shutdown is then an endeavour which requires a multi-team approach, to ensure if a critical plant item is to remain in service, it can be done safely and reliably, without loss of containment.

The following presentation talks through factors to consider when this request is made, particularly so owner operators know the risks and expectations of them in nursing their assets to shutdown. A number of case studies are included to demonstrate the points raised.

### About Rob

Rob is a Chartered Engineer and Fellow of the Institute of Mechanical Engineers. Rob presently sits on the Institute's pressure systems committee. Rob is also a business owner and Director of Axiom Engineering Associates Ltd and has been involved in pressure system design and asset life management for the majority of his thirty-years in industry.

## Our speakers.



**Matthew Waller**

Operations Director

RVA Group

**Presentation Title:** Asset End of Life and Decommissioning Plans

Whilst the term 'Asset Management' is routinely focused on optimisation of production, the eventual decommissioning of an asset is part of its overall lifecycle and should be considered as early as possible, and if not during the design and commissioning stages, then certainly as part of its production phase. Addressing the end game early, adds value in the longer-term; it assures the achievement of EHS excellence and minimises cost.

This presentation will outline a front-end engineered approach, that will enable operators to plan and make soundly based business decisions for when the time comes to decommission, looking at:

- Financial provisioning and feasibility studies - cost and options
- Preparing for demolition (decommissioning & isolation strategy and implementation)
- Building the team and retaining critical knowledge
- Decommissioning Quality Assurance - to achieve it
- Procuring contractors - a look at the supply chain
- Managing the process and the pitfalls of that

### About Matthew

Matthew is a mechanical engineer by profession and has been working with RVA in the decommissioning, dismantling and demolition (DDD) industry for almost 15 years and the high hazard process sector for 20 years. As Operations Director for RVA Group, Matthew leads the RVA Team to deliver successful projects for major blue-chip clients. He is passionate about combining best practice in DDD project management with best practice in safety to achieve projects with safe execution 'built-in'.

## Our speakers.



**Joe Hodgson**  
Director - Industrial Division  
BPI Auctions

**Presentation Title:** Disposal of Assets

Supporting both businesses and individuals, we exist to help our customers achieve corporate objectives ranging from environmental targets, space utilisation and cash flow generation.

Our bespoke disposal solutions enable us to offer support for businesses of all sizes and individuals. Clients benefit from our unrivalled turnaround times, free marketing strategy & specialist account managers within your market sector.

We offer a broad selection of items spread across multiple categories, which can be bid on through our industry-leading, timed auction platform. We are industry leaders in Construction, Plant & Machinery, Tools, Catering, Cars, Commercial Vehicles, Engineering, Site Accommodation & Industrial Site Closures.

### About Joe

Joe has worked within the oil, gas, chemical and process industries for over 15 years, developing a wide ranging experience in the construction and engineering areas of the sector. Joe has recently moved to BPI to lead their Industrial Division with a focus on asset disposal in the circular economy.

## Our sponsors.



The Central Area Transmission System (CATS) is a natural gas transportation and processing system that transports gas from the Central North Sea to Seal Sands, Teesside. CATS, which comprises a riser platform, pipeline and processing terminal, is owned by CATS Management Limited, a subsidiary of Antin Infrastructure Partners. The pipeline and terminal are operated by Wood. Gas producers connect directly to CATS via the riser platform or at any of the subsea tees along the pipeline. At the terminal, the pipeline gas is treated to remove contaminants, and is metered before being routed to either the CATS gas processing trains, or to the adjacent Teesside Gas Processing Plant (TGPP).



Established in 2009, Anthesis is a Gold Channel Partner for IFS, a leading Global ERP Software company. We specialise in releasing the value of Enterprise Applications through the implementation and support of IFS Cloud to Chemicals, Asset Management and Regulated Manufacture industries. Our projects are deployed in over 25 countries, delivering 20,000 consultancy days per year to our customers through a delivery team made up of over 150 certified functional and technical experts.



Jackson Hogg is a leading specialist recruitment and outsourced people services partner focusing on Science, Technology, Engineering and Manufacturing industries, internationally. Our team of discipline experts provide high quality, innovative recruitment and people services solutions to organisations seeking to find, train and retain exceptional talent across all functions. We offer a personal and tailored service that ensures you secure the right people for your organisation for the long term.

# Our exhibitors.

## Find out more.

To complement our packed agenda, we have secured a fantastic group of exhibiting companies.

Find out more about each company to ensure you make the most of your networking opportunities.

## our exhibitors.



**2M Holdings.** Fully confidential outsourcing of your whole supply chain. From storage, packing, blending, QC testing, transportation to Samples Management: All provided by the 2M Services Company, all confidential. We provide customers with flexible solutions to their outsourcing needs. Outsource your entire supply chain to 2M Services and obtain more business with greater ease. 2M Services brings together SampleRite UK, SampleRite China and MP Storage and Blending together under the 2M Services umbrella.

[www.mpstorage.com](http://www.mpstorage.com)



**Anthesis.** Established in 2009, Anthesis is a Gold Channel Partner for IFS, a leading Global ERP Software company. We specialise in releasing the value of Enterprise Applications through the implementation and support of IFS Cloud to Chemicals, Asset Management and Regulated Manufacture industries. Our projects are deployed in over 25 countries, delivering 20,000 consultancy days per year to our customers through a delivery team made up of over 150 certified functional and technical experts.

[www.anthesis.co.uk](http://www.anthesis.co.uk)



**Atlas Copco Rental.** At Atlas Copco Rental we team up with our customers to provide state-of-the-art temporary air, power, steam and nitrogen solutions. Our passionate experts have extended application and equipment knowledge. We understand our customers' needs and can provide a total solution for any industry. Our global network of rental depots in more than 50 countries can meet any planned or emergency project. By constantly developing innovative products for the modern industry, we offer exactly the right quality of compressed air to meet your diverse requirements.

[www.atlascopco.com/en-uk/Rental/Rental-Locations/UK-Newcastle](http://www.atlascopco.com/en-uk/Rental/Rental-Locations/UK-Newcastle)

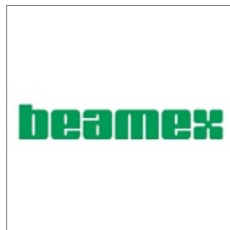


## our exhibitors.



**Axiom Engineering Associates.** Axiom Engineering Associates is an award-winning engineering consultancy formed in 2003 with a proven track record of delivering high value services to our clients. Acting as an Inspection authority to a number of blue-chip companies, we uniquely combine our UKAS accredited expertise in this field with our Materials and Mechanical services. Operating globally, we are highly experienced across a range of sectors including chemicals and petrochemicals, bulk storage and related industries. Our Mission is to provide outstanding engineering services that maximises our client's assets ensuring they operate profitably with minimal risk whilst protecting their people, the environment and the community.

[www.ax-ea.co.uk](http://www.ax-ea.co.uk)



**Beamex.** Our business is calibration.

Since technology continues to rapidly progress, companies need to be more efficient with less resources. At the same time, new regulations put constant pressure on manufacturing operations to maintain a high level of plant safety and product quality. With these in mind, we are here to help our

customers to find a better way.

We exist to provide a better way to calibrate. That was our founding principle and it still guides everything we do. Originally, the "better way" related to developing calibrators that better serve users' needs.

Since the beginning, it has grown into many other things, such as a better way to generate pressure, a better way to calibrate temperature or pressure, a better way to manage calibration data and even a better way to implement calibration process changes.

[www.beamex.com](http://www.beamex.com)

## our exhibitors.



**Bilfinger UK.** Bilfinger UK supports industrial services customers across the oil & gas, energy & power, nuclear and chemical/pharmaceutical sectors, enhancing the efficiency of assets, ensuring a high level of availability and reducing maintenance costs.

We aim to be the trusted engineering and services partner of choice, delivering intelligent solutions to blue chip clients in process industries across the UK.

Our services cover all life cycle phases from planning and design through to development and construction as well as commissioning, maintenance, modification and decommissioning. With a highly skilled workforce of over 2,500 employees operating from eight UK offices, we uphold the highest standards of safety, compliance and quality.

[www.uk.bilfinger.com](http://www.uk.bilfinger.com)



BPI exists to help businesses buy and sell industry items in the smartest way possible. We are known for our expertise across multiple sectors and help businesses, from small independents to multinational corporations, realise the value of assets, create space, and generate revenue.

Our bespoke disposal solutions enable us to offer support for businesses of all sizes. Clients benefit from our unrivalled turnaround times, tailored marketing strategy & specialist account managers within your market sector.

We offer a broad selection of items spread across multiple categories, which can be bid on through our industry-leading, timed auction platform. We are industry leaders in Construction, Plant & Machinery, Tools, Engineering, Site Accommodation & Industrial Site Closures.

[www.bpiauctions.com](http://www.bpiauctions.com)



# Find your



# people

Our reputation is built on finding, training and retaining the best people for STEM businesses in the UK, Europe and the USA.



## our exhibitors.



**Durham University.** Durham is a leading research university and is ranked in the top five of UK universities and in the top 100 globally. Our science research is world leading, a large proportion is interdisciplinary in nature and is supported by flagship Research Institutes. Durham University provides world-class innovation, research capabilities, and business solutions to help our partners achieve the results they want.

Our Centre for Sustainable Chemical Process represents researchers with diverse research interests including hetero- and homo-geneous catalysis, high-pressure reactions, fluorine, flow and aqueous chemistry.

[www.dur.ac.uk](http://www.dur.ac.uk)



**Emerson.** Emerson is a global technology and engineering company providing innovative solutions for customers in industrial, commercial, and residential markets.

Emerson focus on the Chemical Industry is reflected in a comprehensive portfolio of tailored services and solutions. Our leading edge technology and industry experts can help improve reliability and efficiency throughout your process plant.

[www.emerson.com](http://www.emerson.com)

## our exhibitors.



**Endress + Hauser.** Endress+Hauser is a global leader in measurement instrumentation, services and solutions for industrial process engineering.

We provide process solutions for flow, level, pressure, analytics, temperature, recording and digital communications, optimising processes in terms of economic efficiency, safety and environmental impact.

Our customers come from various industries, including chemical, food & beverage, life sciences, power & energy, primaries & metal, oil & gas and water & wastewater.

[www.uk.endress.com](http://www.uk.endress.com)



**Flexitallic.** Engineering compliance and Zero Leak performance – Flexitallic utilise the European Standard EN1591-1 Calculation method, reviewing the performance of gaskets in dynamic mode, key for thermal cycles or external loadings. Its purpose is to ensure structural integrity and control of leak

tightness.

Situated in Middlesbrough on the Riverside Park Industrial Estate, Flexitallic North East's 3,500 sq ft Service Centre is ideally situated to service the needs of customers across Teesside and the North East. With a presence in Teesside for over 25 years, Flexitallic is dedicated to support the Industrial Sealing and Gaskets needs across all industry types - Process - Chemical, Biofuel, Pharmaceutical, Power, OEM, Storage Tanks, etc. The service centre also encompasses the unique Flexitallic - Training Academy - offering ECITB and ICHIME approved training courses, delivered in house or at clients premises, local facility with latest innovative strain gauged piping rigs, and experienced training instructors with extensive site experience.

[www.flexitallic.com/teesside](http://www.flexitallic.com/teesside)

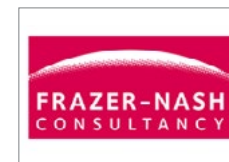
## our exhibitors.



**FoCul.** FoCul is unusual for an IT company. FoCul was started in 2000 by practising Engineers who were frustrated at the lack of good software for managing knowledge and collaborative processes. Our whole approach is around our team of experienced Engineers and IT Developers delivering the excellent service and solutions that we would

have wanted as manufacturing professionals. We understand what it is like to be you and how to deliver projects into your busy environments. We also understand that our role is as a long term partner ensuring that your software solutions continue to be both effective and efficient as your needs change.

[www.focul.net](http://www.focul.net)



**Frazer-Nash Consultancy.** Frazer-Nash excels in solving complex industrial challenges, especially relating to the management of ageing, high value & critical assets.

With >20 years' experience across high hazard, highly regulated industries we understand what's important to our customers – high quality results, complete reliability, value for money and business resilience.

We gain a comprehensive understanding of our clients' problems and then deliver the right combination of intellect, experience and innovation. We care passionately about delivering real solutions for our clients, often where conventional methodologies have failed or are not applicable.

We always see the bigger picture and we're not afraid to explore new ways of doing things.

[www.fnc.co.uk](http://www.fnc.co.uk)

## our exhibitors.



**Jackson Hogg.** Jackson Hogg is a leading specialist recruitment and outsourced people services partner focusing on Science, Technology, Engineering and Manufacturing industries, internationally. Our team of discipline experts provide high quality, innovative recruitment and people services solutions to organisations

seeking to find, train and retain exceptional talent across all functions. We offer a personal and tailored service that ensures you secure the right people for your organisation for the long term.

[www.jacksonhogg.com](http://www.jacksonhogg.com)



**MCE Group.** MCE Group are ideally located to assist with valve and valve servicing requirements in the North-East, and beyond. We specialize in the service/overhaul of Control, Relief and Isolation Valves including actuation.

As well as offering on-site valve servicing and diagnostics, we have a 19,000 sq ft state of the art service facility for outages. All work undertaken is recorded in our bespoke, in-house designed Valve Management Database.

A distributor for ValvTechnologies, we stock a range of severe service, zero-leakage isolation valves, which are proven to save site energy. Setting the standard for the next generation of valves for industry.

[www.mceplc.com](http://www.mceplc.com)

## our exhibitors.



**PPCL.** We tackle some of the most complex and challenging issues faced by process plants worldwide. PPCL strives to improve the business efficiency of process plants worldwide, through the research, development and delivery of innovative end-user applications based on its unique Geometric Process Control (GPC)

technology. PPCL solutions are a driving force amongst process change and allow tightly controlled, financially savvy product.

Since the advent of parallel coordinate transformation, PPCL have been working hard to apply their research and innovations to the process industry. The hope is that this research will take you to new levels of process understanding and allow you to tackle KPI's, alarm management, PAT and QbD with newfound insight.

[www.ppcl.com](http://www.ppcl.com)



**px Group.** Over the past 25 years px has gained extensive knowledge, experience, competence and insight across the whole hydrocarbon energy chain by operating and maintaining some of the UK's most hazardous and high risk industrial facilities. These installations range from off-shore infrastructure, top tier COMAH sites such as gas

processing and fuel storage terminals through to thermal and renewable energy plants.

In addition to providing competent and professional O&M solutions the group has also developed a strong engineering capability and 24/7 energy trading platform for both gas and power. All px services are provided on either a fully contracted or consultancy basis and if we can be of assistance please make contact.

[www.pxlimited.com](http://www.pxlimited.com)

## our exhibitors.



**Rembe GmbH Safety + Control.** With more than 45 years of worldwide experience, we can support you with Consulting, Engineering, Products, Service.

With manufacturing exclusively in Germany, we are the specialists for customer-specific solutions. Our eight own subsidiaries and a worldwide network of sales partners guarantee our customers constant quality in products, consulting, and on-site support.

On our website [www.rembe.de](http://www.rembe.de), you will find lots of useful information about rupture discs, explosion safety systems and accessories.

Prompt and professional, we'd be happy to talk to you in person.

[www.rembe.co.uk](http://www.rembe.co.uk)



**Sesys.** SeSys is the leading manufacturer of digital high-quality camera systems in the UK, providing turnkey, rapid deployment, hazardous environment and IoT camera solutions for a wide range of purposes.

The rapid deployment CCTV camera range encompasses our award-winning, self-contained 4G Torch Camera that is easy to use - deploy, switch on, view! These mobile CCTV cameras are ideal for use in the areas of security surveillance, disaster response, incident monitoring and public order situations to name a few.

[www.sesys.com](http://www.sesys.com)

## our exhibitors.



**Veolia Water Technologies UK.** Veolia Water Technologies UK is part of Veolia Water Technologies, a subsidiary of Veolia. Veolia Water Technologies specialises in delivering water purification systems and service support for a wide range of industrial and pharmaceutical applications.

Our knowledge and understanding of your production is key to providing cost effective and sustainable water treatment solutions. Our systems incorporate the latest technologies to help meet the increasingly strict environmental requirements and economical pressures facing industries today. We can support your water treatment system through our AQUAservice contracts with 4, 8 or 24 hour response. We also offer short/long term hire of mobile water solutions to provide independent supply of process water to support you during plant shutdown.

[www.veoliawatertechnologies.co.uk](http://www.veoliawatertechnologies.co.uk)

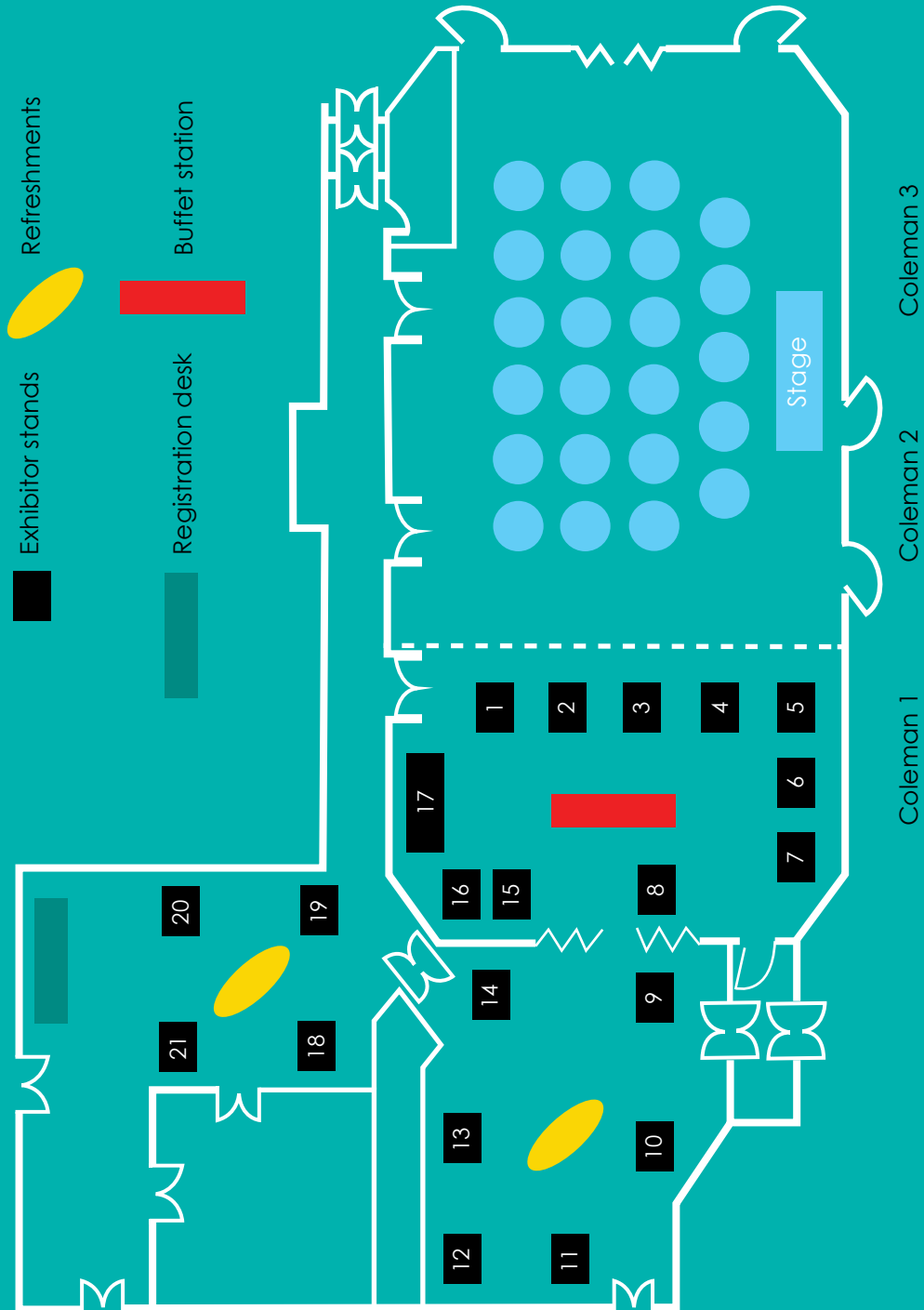


**Wood.** The Central Area Transmission System (CATS) is a natural gas transportation and processing system that transports gas from the Central North Sea to Seal Sands, Teesside. CATS, which comprises a riser platform, pipeline and processing terminal, is owned by CATS Management Limited, a subsidiary of Antin

Infrastructure Partners.

The pipeline and terminal are operated by Wood. Gas producers connect directly to CATS via the riser platform or at any of the subsea tees along the pipeline. At the terminal, the pipeline gas is treated to remove contaminants, and is metered before being routed to either the CATS gas processing trains, or to the adjacent Teesside Gas Processing Plant (TGPP).

[www.woodplc.com](http://www.woodplc.com)



## our exhibitors.

Stand Number	Company Name
1	Axiom Engineering Associates
2	Jackson Hogg
3	Anthesis
4	MCE Group
5	BPI Auctions
6	REMBE Process & Safety
7	Endress + Hauser
8	Atlas Copco CTS
9	Sesys
10	Frazer-Nash Consultancy
11	Beamex
12	FoCul
13	Veolia Water Technologies
14	Durham University
15	Bilfinger UK
16	px Group
17	Wood
18	Emerson Reliability Solutions
19	2M Holdings
20	Flexitallic
21	PPCL



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