

ENERGY  2023 Scotland

# Show Guide

**27th April 2023**  
**Lowland Hall**  
**Royal Highland Centre**  
Ingliston, Edinburgh, EH28 8NB

## Welcome to ENERGYx2023 Scotland

**The Energy Network Events Team are especially delighted to welcome you to our first ENERGYx event in Scotland.**

This fantastic electricity industry event brings together those at the cutting edge of achieving Net Zero in Scotland, which is leading the way on the world stage. The importance of ENERGYx2023 Scotland is highlighted by the senior figures from within the industry presenting. The list of world class suppliers and speakers available in one place to those who work in the industry is unrivaled, where one can hear about the issues the industry is dealing with through innovation and engineering expertise. The industry is facing some huge challenges in achieving Net Zero whilst maintaining safe and reliable networks and exhibiting at the event is the cream of the supplier base who offer a wide spectrum of products and services.

We would like to thank our speakers for taking time to share their expertise and we would also like to acknowledge the support of all our fantastic exhibitors. Finally, thank you for taking time out of your schedules to attend the show. We hope you find ENERGYx2023 Scotland enjoyable, informative and thought provoking.

Paul Finnegan  
Managing Director  
Energy Network Events

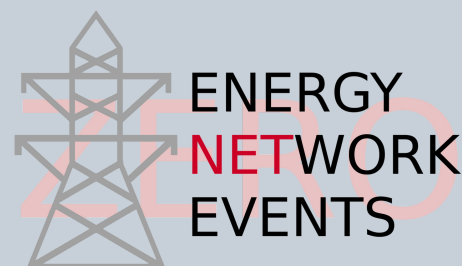
Energy Network Events

1 Izabella House, 24-26 Regents Place,  
Birmingham, B1 3NJ

Tel: +44 (0)121 736 0411

## Timetable

<b>09:00</b>	<b>Event Opens</b>
<b>09:00</b>	<b>Exhibition Open</b>
<b>09:50</b>	<b>Morning Conference Session</b>
<b>12:45</b>	<b>Lunch</b>
<b>13:20</b>	<b>Afternoon Conference Session</b>
<b>16:00</b>	<b>Conference &amp; Exhibition Close</b>



# ENERGY 2023 Scotland

## Conference Programme

27 April 2023, Royal Highland Centre, Edinburgh

- 09:50 Claire Jones Opening Address  
**Head of Onshore Electricity Policy**  
Scottish Government Draft Energy Strategy and Just Transition Plan
- 10:15 Jack Haynes The Role of Distribution Networks in Supporting Security and Restoration of Supply in the Future  
**Lead LCT Engineer**  
SP Energy Networks
- 10:35 Ronnie Quinn The SNZR Report - Scotland's Plans to Achieve Net Zero by 2045  
**CEO**  
Neccus
- 11:00 Tim Sammon & Lily Cairns Haylor RESOP Project  
**Innovation Programme Delivery Manager and Head of Product**  
Scottish & Southern Electricity Networks (Distribution) and Advanced Infrastructure
- 11:30 Hannah Bentley & Sara Rawstron Health and Wellbeing  
**Head of Assurance, Safety & Risk and Health & Wellbeing Lead**  
National Grid ESO
- 11:55 Steven McMahon RIIO-ED2  
**Deputy Director for Onshore Networks and Head of Scotland**  
Ofgem

# ENERGY 2023 Scotland

## Conference Programme

27 April 2023, Royal Highland Centre, Edinburgh

- |       |  |   |
|-------|--|---|
| 12:20 | Chris Kitson<br><b>Director</b><br>CJK Drones  | Advances in Drone Technology for Network Operators      |
| 13:20 | Rahul Jagdale<br><b>Senior Manager System Planning &amp; Investment</b><br>Scottish & Southern Electricity Networks (Transmission) | Pathway to 2030 Connections                             |
| 13:45 | Kara Hazelgrave<br><b>Innovation Engagement Manager</b><br>PNDC  | Powering Networks:<br>Innovation, Collaboration & Scale |
| 14:05 | Connor Duncan<br><b>Senior OHL Engineer</b><br>Scottish & Southern Electricity Networks (Transmission)                             | 'Low Profile' Earthed Steel Trident Structures          |
| 14:30 | Mark Goudie<br><b>Whole System Manager</b><br>SP Energy Networks   | Planning & Delivering on Net Zero Networks              |
| 14:55 | Chris Sargent<br><b>Bid Director</b><br>Neos Networks  | The Future of Telecoms Solutions for the Energy Sector  |
| 15:20 | Dr Mohamed Khalil<br><b>Business Development Manager</b><br>Doble PowerTest  | Preparing for Low Carbon Technologies                   |

## Presenters



Claire Jones  
Head of Onshore Electricity Policy  
The Scottish Government

Claire is Head of Onshore Electricity Policy in the Scottish Government and leads a team responsible for the Scottish Government's onshore renewables (including onshore wind, solar, hydro, bioenergy and storage) and networks policy.



Jack Haynes  
Lead LCT Engineer  
**SP Energy Networks**

Jack's role as a Lead LCT Engineer at SP Energy Networks is to deliver a wide range of projects from those focused on system restoration to those seeking to ready the network for the simultaneous decarbonisation of transport and heat. These projects include Distributed Restart, Heat-Up, EV-Up and LCT Systems Integration, amongst others. This is in line with the business's key goal of being an enabler on the journey to Net Zero.



Ronnie Quinn  
Chief Executive  
**NECCUS**

Ronnie is Chief Executive of NECCUS, the membership organisation supporting and representing members through the challenge and opportunity of industrial decarbonisation.

He has over 30 years' experience in the energy and renewables industries. Ronnie's professional career began as a solicitor where he worked both in private practice and in local government. He then moved into the electricity markets' sector where he was Managing Director of the company administering the market in Scotland. Ronnie has worked for The Crown Estate where he led the transfer of its functions in Scotland to Scottish Ministers, being Crown Estate Scotland's first Chief Executive.

Ronnie also sits on the Board of Management of City of Glasgow College and is a Commissioner on Scotland's Just Transition Commission.

# ENERGY 2023 Scotland



Tim Sammon  
Innovation Programme Delivery  
Manager  
**SSEN Distribution**

Tim Sammon has an MBA from Edinburgh University Business School awarded in 2004 and graduated in Applied Physics with Electronics from Napier University in 1991. He is the Innovation Programme Delivery Manager at Scottish and Southern Electricity Networks and manages the New Suite of Transmission Structures (NeSTS) project. Formerly Commercial Director at Evance Wind Turbines, Engine Workstream Leader at Microgen Energy, and Director of Packaging R&D at International Rectifier he has experience in all stages of the product life cycle. He holds several patents and has published and instructed in peer reviewed journals and conferences.



Lily Cairns Haylor  
Co-Founder and Head of Product  
**Advanced Infrastructure**

Lily is the Head of Product at Advanced Infrastructure. Responsible for setting the company's product strategy and overseeing product development, user experience and customer operations.

Lily is focused on designing digital solutions to the local energy transition. She's passionate about making the right data easy to access, visualise and build on to accelerate the transition to a net zero system. Lily has led OZEV and BEIS funded innovation projects which use innovative geospatial approaches to accelerate the energy transition across transport, heat and generation. She has worked closely with Project LEO and RESOP to deliver LAEP+ as a mapping solution to support DNOs and local authorities to collaborate on local area energy planning.



Hannah Bentley  
Head of Assurance, Safety  
& Risk  
**National Grid ESO**

Hannah is Head of Assurance, Safety and Risk at National Grid Electricity System Operator (ESO). The ESO's role is to keep GB's lights on 24/7 and its team of engineers and professionals are at the heart of everything it does, which means a robust health, safety and wellbeing strategy is vital to operations.

Having qualified in law, Hannah has spent most of her career supporting businesses in energy, transport and security sectors, aiming for above compliance standards and introducing innovative ways to improve safety and risk management.



Sara Rawstron  
Health & Wellbeing Lead  
**National Grid ESO**

Sara is the Health and Wellbeing Lead for National Grid Electricity System Operator (ESO). She is responsible for its strategy and plan on managing employee health and wellbeing. ESO balances electricity supplies entering the grid and ensure that it reaches UK homes and businesses safely. The health, safety and wellbeing of their engineers, and all professional groups in the business, is key to the vital work that they do in keeping the UK powered.

Sara has worked in employee wellbeing for 17 years, having previously worked in leadership development. She has worked in both public and private sectors. She is passionate about the link between culture and individual wellbeing and strives to create a golden thread from top to bottom.





# ENERGY 2023 Scotland



Steven McMahon  
Deputy Director for Onshore Networks  
& Head of Scotland  
**Ofgem**

Steve McMahon is responsible for setting the onshore network RIIO price controls, most recently delivering the RIIO-ED2 settlement for the electricity distribution networks that will run from April 2023 to March 2028. In October 2022 Steve was also appointed as Head of Scotland, leading Ofgem's office in Glasgow and its external relations and engagement across the country.

Steve joined Ofgem in January 2017 from Transport Scotland where he led the team responsible for the specification of Scotland's rail infrastructure programme. Prior to this he held a number of economist roles within both the Scottish and UK Government.



Chris Kitson  
Director  
**CJK Drones**

Chris from CJK Drones Ltd has been working with Electricity DNOs for over 10 years providing Civils Works and for the last three years Drone services.

CJK are proud to be involved in the latest innovation technology to assist this industry and later this year will be launching a service which will be the first of its kind in the UK for the Energy industry. Chris will be sharing a range of their products with their team of CCA Certified Drone operators.



Rahul Jagdale  
Senior Manager System  
Planning & Investment  
**SSEN Transmission**

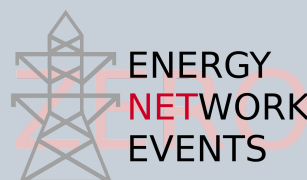
Rahul is the Senior Manager of System Planning and Investment with SSEN Transmission, the owner and operator of the north of Scotland electricity transmission system. Rahul has around 15 years' experience in the electricity and renewables industry, specialising in system planning, operations, and investment in transmission networks.

In his current role, he focuses on utilising pathway to 2030 blueprint, enabling the transition to net zero emissions in the energy sector through the planning of the transmission network in the north of Scotland to accommodate customer connections of various generation technologies and to provide the necessary grid capacity, working with other network operators and the Electricity System Operator.



Kara Hazelgrave  
Innovation Engagement  
Manager  
**PNDC**

Kara Hazelgrave is the Innovation Engagement Manager for PNDC, working with researchers, PNDC members and sector stakeholders to address challenges relating to Advancement of Power Networks and Decarbonisation of Heat. Kara has more than 20 years' experience working with utilities and interdisciplinary research teams to bring innovations from the idea stage into deployment; she is adept at organisational change and is committed to delivering sustainable, net zero solutions that work in the field. From local initiatives through to internationally leading programmes, the most successful outcomes have been found where there are strong collaborations – together we can make a difference.



# ENERGY 2023 Scotland



Connor Duncan  
Senior OHL Engineer  
**SSEN Transmission**

Connor received a Masters degree in Structural Engineering from the University of Strathclyde and has 8 years' experience in the transmission industry. In his current role in SSEN Transmission he is responsible for providing technical expertise to projects, as well as managing innovation projects such as the development of a new suite of 'low profile' Earthed Steel Trident Structures.



Mark Goudie  
Whole System Manager  
**SP Energy Networks**

Mark Goudie is Whole System Manager for SP Energy Networks, a Non-Executive Director for the Glasgow Science Centre, an engineering Fellow, and a Chartered engineer.

Mark has extensive technical and commercial experience across the energy sector, having delivered international projects for a range of organisations, with a focus on decarbonisation and the transition to Net Zero. This experience has primarily focused on the power sector, including transmission and distribution projects, but has also included low carbon heat, hydrogen, energy storage, nuclear, oil & gas and offshore wind projects. He is currently focused on the future operation of the GB electrical distribution network as a key enabler of the transition to Net Zero



Chris Sargent  
Bid Director  
**Neos Networks**

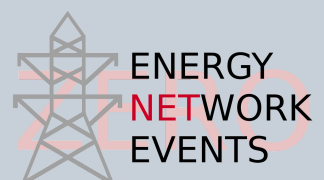
Chris Sargent, Bid Director for the Energy division at Neos Networks, is established in his field with extensive experience in managing complex projects and teams and a proven track record in delivering exceptional results.

Recently, he has been instrumental in establishing the strategic development across the Energy team at Neos Networks. He has also led their teams to success on critical national infrastructure bids, including the Maritime Coast Guard Agency, Seagreen and Viking Wind Farm, as well as participating in a highly contested Framework project for SSE.



Dr Mohamed Khalil  
Business Development  
Manager  
**Doble PowerTest**

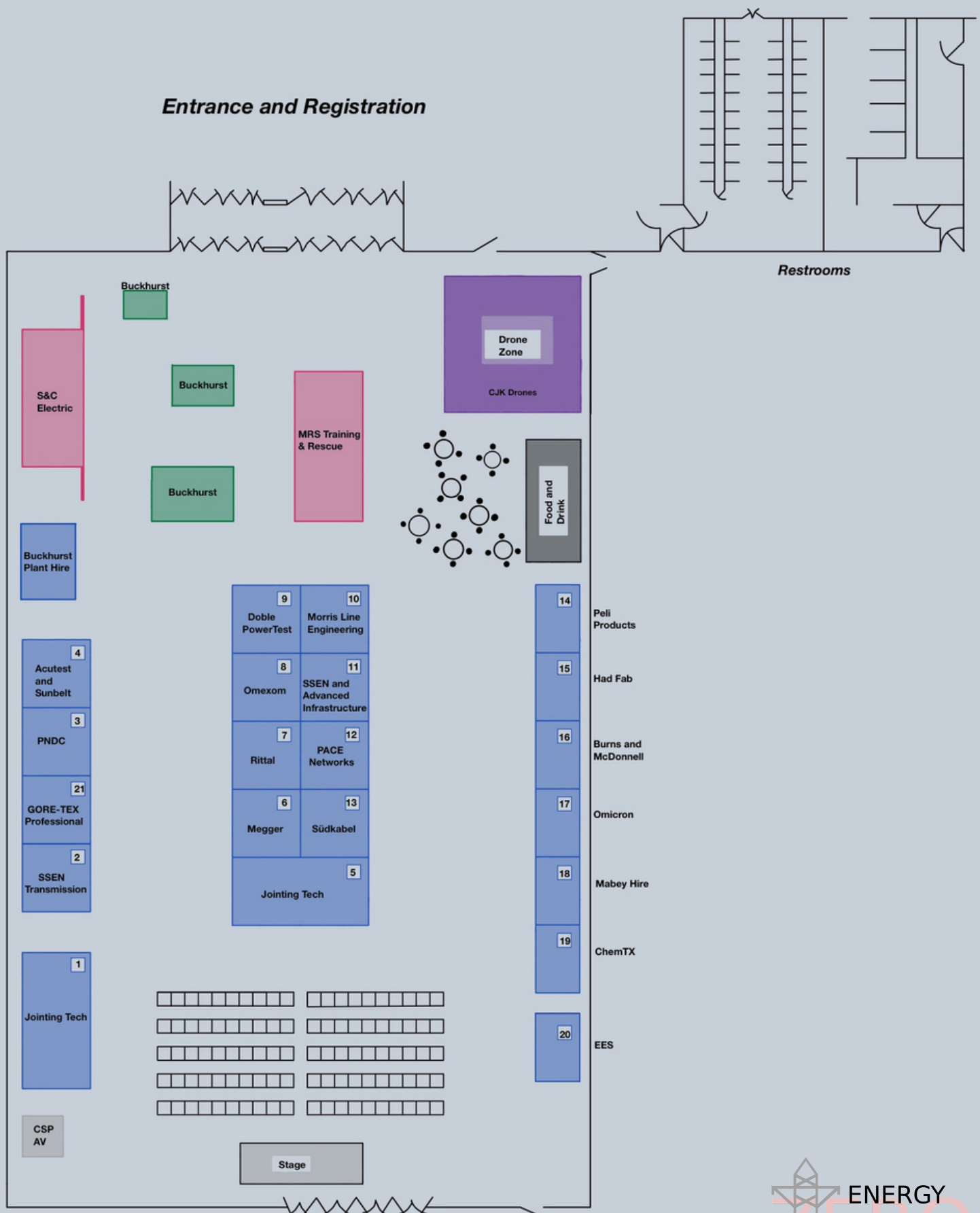
Dr Mohamed Khalil is a Business Development Manager at Doble Engineering for online monitoring solutions. He has over 15 years' experience in utility substations and industrial facilities. He received his M.S degree in electrical engineering and his doctorate degree in Reliability Engineering from Politecnico di Milano, Italy. He is an active Cigre and IEEE member.





# ENERGY 2023 Scotland

## Lowland Hall Floor Plan



# Exhibitors

## Acutest

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Test equipment specialists. Streamline the way you buy and manage your test equipment.

Equipment Supply/Hire and Calibration/Repair (UKAS/Traceable) plus Training.

Web: [acutest.net](http://acutest.net)

## Advanced Infrastructure

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Advanced Infrastructure's mission is to accelerate the Energy Transition with spatial analytics and digital twins. An innovative Cambridge-based company, Advanced Infrastructure builds data and software solutions which cut the cost of net zero planning and accelerates the deployment of low carbon technologies by a factor of 10. Replacing paper based analysis with digital twins, Advanced Infrastructure puts the data and tooling to drive forward the Energy Transition in the hands of local government, private developers and corporations.

Website: <https://www.advanced-infrastructure.co.uk/>

## Buckhurst Plant Hire

D1, V1-3

Buckhurst Plant Hire supply nationally a wide range of equipment from general plant hire for construction projects through to more specialist items required for utility installation projects.

Their specialist fleet offers trailer mounted winches up to 10ton line pull and cable drum trailers up to 50ton Payload and more that are suitable for your underground fibre optic or electric cabling projects. For your overhead transmission project, they can offer Tesmec puller tensioners, tower erection winches, tower work platforms and more. Their wood pole installation equipment includes Clydesdale and CBS Products Reelwinder winches and cable drum trailers. For all your projects they have a good range of 4x4 tractors that can be fitted with various options including winches, cranes, pole handlers and loader forks.

Their general plant fleet consists of Excavators up to 35ton, Dumpers up to 10ton, Telehandlers up to 18mtr and more.

Web: [buckhurstplanthire.co.uk](http://buckhurstplanthire.co.uk)

## Burns & McDonnell

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Burns & McDonnell are a major Engineering-led EPC business, with their parent company based in the United States with over 100 years' experience of providing engineering and construction services in the electrical power Transmission and Distribution (T&D) sector. They act as an integrator, undertaking the engineering and project management in-house including all on-site management and control, deploying their supply chain partners to execute the physical site works. In the UK they have offices in Birmingham, Scotland & London.

Web: [burnsmcd.com](http://burnsmcd.com)

## ChemTX

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ChemTX is an independent transformer oil testing laboratory based in central Scotland.

In their specialist laboratory, they carry out comprehensive analytical testing on electrical insulating fluids for clients across the UK.

They also provide advice on oil sampling, evaluation of data, using current international standards for all types of insulating fluid found in the marketplace today.

Their skilled team of analysts have over 40 years' experience working within the electricity industry across Nuclear, Renewable, Hydro, Gas and Coal sectors.

They provide an honest and reliable service to support clients with the management and maintenance of their electrical assets.

Web: [chemtx.co.uk](http://chemtx.co.uk)

## CJK Drones

Drone Zone

CJK Drones provides a variety of services for inspection using drone technology since 2017. They have been working with Electrical DNOs (Distribution Network Operators) for over ten years with their civil background exceeding over 25 years. Their Drone operators are CCA certified. Their initial aim was to assist in the reducing of health and safety issues across the construction industry by using drone technology, however this aim has grown over the years into so much more. They can offer aerial images and video, 3D mapping, aerial inspections, confined space inspections, construction progress images, CAT 1(ISO18436 PCN) thermal inspection, and more. They work closely with the drone industry to test and trial new and innovative technology ensuring that they are extremely well-informed and part of the research team in the drone industry. They are currently working on a prototype which will be the first in the UK with trials starting within the next few months.

Web: [cjkdrones.co.uk](http://cjkdrones.co.uk)

## Doble PowerTest

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ALTANOVA provides High and Medium Voltage testing solutions globally. Doble Power Test Ltd in the UK is an integral part of ALTANOVA, completing it with a full suite of HV services from consultancy, specification and post failure forensic services, through to on-site HV testing for transformers, switchgear, cables, and generators/motors.

Web: [altanova-group.com](http://altanova-group.com)



## EES

20

EES develops and produces future-orientated products for plant monitoring. Customers around the world are enthusiastic about easy-to-operate products, tailor-made solutions and the competent support of a likeable expert with 40 years of experience.

Web: [ees-online.de](http://ees-online.de)

## GORE-TEX Professional 21

GORE-TEX Professional provides top to toe end user protection from its comprehensive portfolio of laminates for garments and footwear. All are engineered to ensure the highest levels of safety, comfort and protection for electrical engineers within utilities, railway and industrial manufacturing when working indoors or outdoors, each and every day.

Web: [goretexprofessional.com](http://goretexprofessional.com)

## Had Fab

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Since 1993, Had Fab has captured a wealth of experience in providing fabricated steel solutions to the Power Transmission and Distribution, Energy, Rail, Civils & Infrastructure, Commercial and Industrial Sectors.

Recognised as a trusted engineering project delivery partner working closely with key sector DNOs, operators, consultants, OEMs and principal contractors and Supply chain partners.

Web: [hadfab.co.uk](http://hadfab.co.uk)

## Jointing Tech

1 & 5

Jointing Tech are the leading distributor of specialist power cable and accessories, supplying products and services that develop, connect and maintain the UK's electrical infrastructure.

Web: [jointingtech.co.uk](http://jointingtech.co.uk)

## Mabey Hire

18

Mabey are a leading temporary works specialist working across civil infrastructure, buildings and utilities sectors. They are the only temporary works specialists in the country that can design, supply, install and monitor temporary works solutions. Their capabilities include groundworks, propping, jacking, formworks and falsework systems, temporary access solutions, temporary bridges, and structural and environmental monitoring.

Web: [mabeyhire.co.uk](http://mabeyhire.co.uk)

## Megger

6

Megger has been a leader in electrical test and measurement globally for 130 years. From power generation to the power outlets in your home, Megger products cover almost every application within the Electrical Supply Industry.

Their products are categorised into seven core application segments: cable test and diagnostics, protection relays and systems, circuit breakers, transformer test and diagnostics, low voltage installations, general electrical testing, and motor and generator testing.

Web: [megger.com](http://megger.com)

## Morris Line Engineering 10

Morris Line Engineering Ltd are a leading specialist in the design and manufacturing of high voltage innovative power protection and distribution solutions This includes high and medium voltage disconnectors and switches, which are utilised by all of the UK Electricity utilities and Rail electrification projects across the world.

Web: [morrisline.co.uk](http://morrisline.co.uk)

## MRS Training & Rescue V5

For over 120 years, MRS Training & Rescue (formerly known as Mines Rescue Service), has developed specialist skills, experience and knowledge from working in difficult and potentially high-risk environments. We have branched out from underground mining into providing unique rescue services, health and safety and confined space consultancy, and a comprehensive range of highly practical accredited health and safety training. This includes work at height, first aid and confined space training, for those engaged in this safety critical work.

Web: [mrsl.co.uk](http://mrsl.co.uk)

## Omexom

8

With today's global energy sector evolving, Omexom works with clients to achieve the energy transition.

Omexom helps energy producers, grid and distribution network owners fulfill their missions whilst simultaneously navigating the evolving landscape. Omexom's expertise in the field of electrical grids allows us to anticipate the impact of renewable energies.

Web: [omexom.com](http://omexom.com)

## Omicron

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OMICRON is an international company that works passionately on ideas to make electric power systems safe and reliable. Their pioneering solutions are designed to meet our industry's current and future challenges. A dedicated team of more than 1,100 employees provide solutions with 24/7 support in 24 locations worldwide and serve customers in more than 170 countries.

Web: [omicronenergy.com](http://omicronenergy.com)

# Exhibitors



## PACE Networks

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PACE Networks partner with leading European manufacturers Bonomi Rebosio, RIBE and Tridelta to provide the UK Power industry with a complete range of innovative technologies. PACE Networks supply low and high voltage equipment for transmission, distribution and rail networks.

Web: [pace-networks.co.uk](http://pace-networks.co.uk)

## PNDC

3

Established in 2013 and now celebrating a decade of innovation, PNDC continues to build on its significant experience in power systems to accelerate and de-risk the development and deployment of novel, low-carbon energy and transport technologies, with a considerable focus on whole system and digital solutions.

As one of the University of Strathclyde's industry-facing centres, PNDC engages with the innovation ecosystem through tailored collaboration models and providing open access to its technical expertise and facilities.

Web: [pndc.co.uk](http://pndc.co.uk)

## Peli Products

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Peli Products (UK) offer the Peli™ brand of protective cases and lighting products, including safety torches for use in confined space and potentially hazardous areas.

The range includes compact torches, hands-free versions and large, rechargeable utility worklights. Peli cases and torches are built tough for reliability in extreme conditions.

Web: [peliproducs.co.uk](http://peliproducs.co.uk)

## Rittal

7

Rittal offers solutions for every energy application, and work with partners and customers to design central infrastructure elements incorporating necessary system-tested components. Rittal 'The System' is a modular portfolio that includes enclosures, racks, container solutions, power distribution, climate control technology, planning services, project management, and 3D ecad software from EPLAN.

Web: [eplan.co.uk](http://eplan.co.uk)

## S&C Electric

V4

S&C Electric Company is a global provider of equipment and services for electric power systems. Founded in 1911, S&C Electric Company designs and manufactures switching, protection, and control products for electric power transmission and distribution. S&C's EMEA headquarters, based in South Wales, UK, reaches across Europe, the Middle East, and Africa.

Web: [sandc.com](http://sandc.com)

## Scottish & Southern Electricity Networks - Distribution

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Scottish and Southern Electricity Networks (SSEN) Distribution is the electricity distribution arm of the FTSE-50 energy company, SSE. They serve over 3.9 million customers across the diverse and unique geographies of the north of Scotland, and central southern England.

Their role has never been more important. The communities they serve depend on them to deliver a safe, reliable supply of electricity to their homes and businesses so they can thrive today. And for SSEN Distribution to deliver the infrastructure to create a net zero tomorrow. To do this they're inspired every day by their vision to be '... powering change with every connection'.

Web: [ssen.co.uk](http://ssen.co.uk)

## Scottish & Southern Electricity Networks - Transmission

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SSEN Transmission, the trading name for Scottish Hydro Electric Transmission, are responsible for the electricity transmission network in the north of Scotland: maintaining and investing in the high voltage 132kV, 220kV, 275kV and 400kV electricity transmission network. Their network consists of underground and subsea cables, overhead lines on wooden poles or steel towers, and electricity substations. It extends over a quarter of the UK's land mass, crossing some of its most challenging terrain.

Web: [ssen-transmission.co.uk](http://ssen-transmission.co.uk)

## Südkabel

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Cable Systems, Cables and Accessories – Südkabel, are proud of their heritage and everything that they have developed and achieved in Mannheim for more than 100 years. A fantastic company with a superb heritage that don't just produce high quality cables and accessories, but also are at the forefront of pioneering work – particularly in the field of XLPE technology.

Web: [suedkabel.de](http://suedkabel.de)

## Sunbelt Rentals

4

Whatever the sector, they have the solution. Big on all of the things that matter, from equipment and service to sustainability and trust.

Web: [sunbeltrentals.com](http://sunbeltrentals.com)

# ENERGY 2023 Scotland

Thank you for attending ENERGYx2023 Scotland

Please join us at our next event:

## ENERGY **xtra**

with Headline Sponsor



**20th September 2023**  
**Chester Racecourse**

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or visit [energynetworkevents.com](http://energynetworkevents.com)

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