

Solar & Storage TODAY

SHOW
GUIDE
INSIDE

17 OCTOBER 2018 | THE NEC BIRMINGHAM, UK | UK.SOLARENERGYEVENTS.COM

LORD DEBEN DISMISSES GOVERNMENT CLIMATE RESPONSE AS 'JUST NOT GOOD ENOUGH'



The head of the government's own climate watchdog has slammed its response to an annual progress report as "just not good enough".

Speaking at yesterday's Current+ Theatre Lord Deben, chair of the Committee on Climate Change, said the government's response to the CCC's annual progress report had failed to provide sufficiently detailed answers to questions raised.

Earlier this year the CCC issued its annual progress report which examines the progress made towards carbon budget targets.

Yesterday the government issued a response as it opened Green Great Britain Week, but Lord Deben was unimpressed.

"It's not good enough. It does not produce the necessary steps which, by law, they have to reach," he said.

And Lord Deben went on to discuss the possibility of taking legal action against the government for its failure to act with sufficient ambition.

"It won't be us that takes them to court, but I fear I will be first witness for the prosecution," he said, before stating simply that

the government "needs a kick up the backside".

Lord Deben did, however, have kinder words for the way in which government policy has impacted on the price of established renewables, and in particular solar PV.

"Solar is one of the great achievements. It stands alongside onshore wind on how, if you do it right, you can bring the cost down and defeat your enemies by becoming cheaper than their dirty fossil fuels," he said.

HSBC TO INVEST £250 MILLION IN UK SOLAR AND WIND FARMS


HSBC UK Pensions Scheme is to invest £250 million in UK solar and wind farms under a new agreement with renewables investor Greencoat Capital.

The pledge, announced yesterday as part of Green Great Britain Week, will see the pension fund invest in operating solar and wind farms, with Greencoat responsible for identifying assets.

Russell Picot, chair of the trustee board at HSBC Bank Pension Trust, said: "Renewable energy infrastructure can provide attractive risk adjusted returns for investors seeking predictable cash flows derived from real assets over the long term. The investment characteristics of inflation linked assets such as these are well suited to provide the income required to meet our long-term pension liabilities."

HSBC is no stranger to UK solar. The bank's UK premises are powered by solar generated from the 61MW Swindon Solar Farm – amongst the UK's largest – under a 15-year power purchase agreement via a sleeving arrangement.

Richard Nourse, managing partner at Greencoat Capital, said: "We're delighted to be partnering with one of the country's largest pension funds, and helping to finance the implementation of the UK's climate objectives."

 hoymiles

IP67 WATERPROOF

• SAFER • SMARTER • STRONGER • SMALLER

BOOTH B10



SOLAR
POWER
PORTAL



Energy
Storage
NEWS

AWARDS 2018

17th October 2018 | Hilton Metropole

GOOD LUCK TO THE SHORTLIST

Awards.solarpowerportal.com



"Connecting you to the grid"

Private Networks

Contestable Works up to 132kV

Electrical & Civil Balance of Plant

Bespoke Containerised Substations

Operations & Maintenance

Energy Storage Solutions

Grid Connections

Earthing Design & Installation

Visit us on stand **D40**



Grid Connections

Private Networks

Balance of Plant

Contestable Works

Lloyds NERS ICP

Containerised Substations



g2 Energy, Olney Office Park, Osier Way, Olney, Buckinghamshire, MK46 5FP
+44 (0) 1234 482482 enquiries@g2energy.co.uk www.g2energy.co.uk

MOIXA SHOWCASING 'FAMILY SIZED' BATTERY FOR GRID-SERVICE MODELS



Moixa is showcasing its latest residential energy storage unit at Solar & Storage Live, utilising 4.8kWh of storage capacity to offer homeowners greater benefits from time of use tariffs and arbitrage models.

The new 'family-sized' smart battery is the company's largest, following its 2kWh and 3kWh systems, and is intended to reflect the emerging energy tariffs that are becoming more readily available across the domestic retail supply market.

The company says its new offering will help owners take advantage of ToU tariffs that reward them for powering their homes and charging electric vehicles when electricity demand is low.

To this end, the company is exploring options with a number of energy companies, with an announcement expected soon. An offer will be aimed at both night time charging and Moixa's electric vehicle customer base that are seeking flexibility around pricing.

Simon Daniel, chief executive of Moixa, said: "The next decade will see growing numbers of UK homes become mini power stations, generating and storing electricity, buying it when it is cheap and selling it back to the grid to support a cost-effective, low-carbon energy system.

"We want to help customers take part in the smart power revolution and share its rewards. Our smart batteries know when it makes sense to buy energy and when to export it. They will soon know whether it's better to charge your car battery or use it to power your home."

The company also plans to introduce a tool that will recommend the best energy tariff to customers based on their consumption patterns and their solar production.

The 4.8kWh lithium-ion battery will retail at £3,950 including VAT and installation, while a package offer including a 4kWp solar PV system will be sold for £8,500.

Moixa can be visited at stand **F42**.

BEIS HAS HEARD EXPORT TARIFF CONCERNS 'LOUD AND CLEAR'

The government has heard industry concerns over the future of the export tariff "loud and clear", but did admit there is "no new news" on inclusion of solar into the Contracts for Difference auctions or the future of small scale renewables.

Speaking on the opening day of Solar & Storage Live, Vicky Dawe, the Department of Business, Energy and Industrial Strategy's deputy director for renewable electricity support, held true to the government's line that support for solar had been a success having already exceeded the UK's 2020 target for deployment.

She reiterated BEIS' decision to halt all subsidies until the cost of existing schemes, thought to add around £7-8 billion on consumer bills, comes down; this is expected to be in 2025.

Dawe also teased the government's reactions to the recent future of small-scale renewables support consultation, which revealed plans for the closure of the export tariff in March 2019 along with the end of the feed-in tariff regime.

She said the department had "heard very loud and clear" the solar industry's views that a route to market was still needed, however added that other responses had supported BEIS' view that continuing the support would place too much of a financial burden on consumers.

"The current flat rate for the export tariff doesn't align with the government's vision for fairer cost effective pricing and the drive to minimise policy costs," she said.

SOLAR & STORAGE
LIVE Empowering the energy transition

From the publishers of

**SOLAR
POWER
PORTAL**

**Energy
Storage**
NEWS

Published by

Solar Media Ltd.
3rd Floor, America House,
2 America Square, London,
EC3N 2LU
T: +44 (0) 207 871 0122
info@solarpowerportal.co.uk
www.solarpowerportal.co.uk

Editorial

Editor: Liam Stoker
Head of content: John Parnell
Reporters: David Pratt,
Tom Kenning, Andy Colthorpe

Design & production

Art director: Sarah Lee
Web design & development:
Azeem Hadi

Advertising

Advertisement managers:
Oliver Amos
Will Swan

Marketing & subscriptions

Digital Marketing Manager:
Rachel Morrissey

While every effort has been made to ensure the accuracy of the contents of this supplement, the publisher will accept no responsibility for any errors, or opinion expressed, or omissions, or for any loss or damage, consequential or otherwise, suffered as a result of any material here published.

The entire contents of this publication are protected by copyright, full details of which are available from the publisher. All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means – electronic, mechanical, photocopying, recording or otherwise – without the prior permission of the copyright owner.

Go to www.solarpowerportal.co.uk for more news and analysis.

SOLAREGE UNVEILS BATTERY STORAGE PLAY WITH DEAL TO ACQUIRE MANUFACTURER KOKAM



Smart energy and inverter company SolarEdge has clinched a deal to acquire South Korean battery manufacturer Kokam.

Announced last week, SolarEdge has initially taken a 75% share for US\$88 million (£66.5 million) with the intention of purchasing the remaining shares in the future.

The transaction is subject to customary closing conditions and is expected to close in the coming weeks.

"The acquisition of Kokam will enable us to grow our offering, adding already proven battery storage to our product portfolio," said Guy Sella, CEO, chairman and founder, SolarEdge.

"Our technological innovation combined with Kokam's world-class team and renowned battery storage solutions, will enable seamless integration with our current solutions, taking us a further step toward making solar installations smarter and more beneficial."

Kokam produces lithium-ion batteries for a variety of applications including aerospace, electric vehicles and energy storage systems.

It claims to have more than 700MWh of deployments in the field. As well as serving as system integrator to some of its battery storage projects and delivering turnkey systems, the company has a range of batteries that include high power nickel manganese cobalt (NMC) lithium batteries.

In May this year sister publication Energy-Storage.news reported that the company delivered NMC batteries to a mining operation, where they will help increase the efficiency of gas turbines. While the high power batteries come at a higher capex than other grid batteries, Kokam claimed that there is less need to oversize systems, which could lower the overall cost of ownership.

Kokam has recently also been pushing its uninterruptible power supply (UPS) business to the data centre sector.

The deal represents the latest piece of M&A activity from SolarEdge, having purchased UPS provider Gamatronic in May.

SolarEdge can be visited at the Solar & Storage Live exhibition this year at stand C15.

WAXMAN DEBUTING NEW PRODUCT RANGES AS IT TARGETS REPEAT SUCCESSES



Waxman Energy is debuting the fruits of a new partnership with Victron as it bids to capitalise on the successes it experienced at last year's Solar & Storage Live exhibition.

Among the products Waxman is exhibiting this year are the Victron Multiplus 3000 and Victron Quattro 3000 inverters, having clinched a brand new partnership with the manufacturer earlier this year. Waxman told Solar & Storage Today of the firm's excitement at launching the new additions to its line-up this week.

"Solar & Storage Live has always been a very successful show for us and we are very pleased to return to such a prestigious show in 2018," Sam Waxman, managing director at Waxman Energy, said.

Victron products will be joined on Waxman's stand – located at D10 – by other products from the likes of JinkoSolar, AUO, SolaX, Varta, GoodWe and BYD.

The exhibition comes on the back of a big year for the distributor, having bolstered its team with three key hires to cater for demand.

It has also begun to roll out product training days for Varta, SolaX, BYD, Van Der Valk and GSE products, as well as EV charging product training as the industry begins to pivot into other technologies.

MARLEC CELEBRATES 40 YEARS IN UK RENEWABLES AS IBOOST CONTINUES GROWTH



UK renewables distributor Marlec is celebrating its 40th year in operation and is backing its Solar iBoost product to continue the firm's success story.

Marlec was established in 1979 and has been active in the UK renewables market ever since, selling wind and solar products to more than 100 countries.

The firm returns to Solar & Storage Live this year with its popular solar power diverter iBoost, which Marlec's sales director Teresa

Auciello says has at least 50% of the installed PV energy diverter market.

"From our beginnings product development was and still is at the forefront of our business. We have coupled that with investment in market development which has led to some great successes such as the Solar iBoost," Auciello said.

Marlec can be visited at stand H30 at this year's exhibition.

BATTERIES ARE THE FIRST STEP TO A DECENTRALISED FUTURE

NEC Energy Solutions, part of Japan's famous NEC Corporation, will have installed or have under construction 400MW of energy storage worldwide by the end of this year.

Despite its international name and track record of successful projects around the world, the company very much sees the UK as one of its most important markets for energy storage. As well as delivering and now operating 50MW of batteries contracted to perform grid-balancing services for National Grid, NEC is working with local partner Dale Power Solutions to execute projects for commercial and industrial customers too.

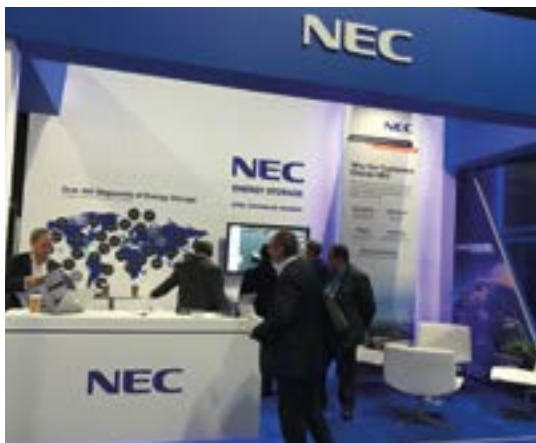
"I want to shift from stuffing batteries in a box to providing really a value-based solution," CEO Steve Fludder says.

For NEC, it's not just about deploying physical energy storage assets. It is about that, but it's also about really helping the customer increase the value of their power.

"We're leveraging our knowledge and expertise of the physics and the science of storage systems and we're bringing in expertise in data science as NEC. How do you build a digital enterprise platform, an Internet of Things system? We do this all the time in different market sectors as NEC Corporation. So we're bringing those two together and that's a very powerful and compelling combination."

For CEO Steve Fludder and NEC Energy Solutions, there is a recognition that energy storage is a vital component that will sit at the heart of many distributed energy systems of the future. While the future is focused on renewable energy for many of us, it's easy to forget this comes with its own accompanying challenges.

"The future is about multiple constituents and multiple flows of energy and multiple ways of really delivering cleaner, more reliable electricity through technologies and digital platforms, managed as an enterprise as opposed to managing a one-way flow of electrons. NEC is uniquely positioned to lean into that."



TESVOLT UNVEILS NEW UK PARTNERS AS IT TARGETS SMALL C&I SOLUTIONS

German battery storage manufacturer Tesvolt has unveiled its latest tranche of UK installer partners as it begins to focus on smaller commercial and industrial (C&I) solutions.

The manufacturer, exhibiting at stand H26 this week, told Solar & Storage Today that its main focus is to be on time-shifting on-site generation, primarily that from solar PV, in order to bolster solar economics, and to use battery systems to avoid additional grid charges.

Lawrie Wilson, area manager for the UK and Ireland at Tesvolt, unveiled Sundial Solar, Flexi International and MSP Technologies are amongst the three new partners, with the trio having already completed their first installations.

Tesvolt is exhibiting its new outdoor battery storage system this week, which features a double-walled aluminium shell to protect it from the elements. The manufacturer is backing the TS HV 70 as an ideal solution to supply electric vehicle charging stations, an area of expected growth in the UK.



myenergi

British designer + manufacturer of renewable products, that increase the self-consumption of green energy

Heat your home with free energy



Charge your EV with your PV

visit our booth
G20

As seen on

FULLY CHARGED



myenergi.uk

INDUSTRY URGED TO GET BEHIND 'FAIR4SOLAR' CAMPAIGN

The UK's solar and storage industries are being urged to throw their full weight behind a new campaign against government plans to end the export tariff.

Groups including the Solar Trade Association, 10:10, WWF and Community Energy England have launched the 'Fair4Solar' campaign, which is aiming to reverse planned cuts to fair market payments from new solar installations which export excess power to the national grid.

The STA said the plans had sent shockwaves "far beyond the industry" and flew in the face of new EU legislation.

More than 300 organisations have signed a letter to energy minister Claire Perry, but the STA is now seeking all interested stakeholders to join the lobbying efforts and contact their own MP.

Leonie Greene, advocacy director at the STA, said: "It is vital that we



retain the export tariff and we urge everyone who cares about solar power and the rights of everyday people to participate in the clean energy transition to join our fight for fair treatment for solar power."

Neil Jones, campaigner at 10:10 Climate Action, added: "To clean up our energy system we must place people at the heart of it - because the public is clear it wants more renewable energy, and fast. By removing [the export tariff] government is turning its back on all of us who want to be part of the solution."

For more information on the campaign and how you can get involved, please visit the Solar Trade Association at stand **P72**.

HVSS STRENGTHENS TEAM AS CONNECTION PIPELINE SWELLS

Independent connection provider High Voltage Substation Services (HVSS) has said a swelling pipeline of work has forced it to take on three new additions to its team.

The firm has recently appointed a new operations director, design and tendering manager and principal design manager at its Edgware offices in a bid to cater for a number of solar and capacity connection projects in its immediate pipeline.

HVSS' services range from early survey and optioneering to the installation and cold commission of major plants.

HVSS said the string of new hires proved it was well positioned for the UK market.

HVSS can be visited at stand **E24** at Solar & Storage Live this week.



SOLAR & STORAGE LIVE
Connecting the energy

BOOTH : B12

Storage Inverters

- ESA registered

- CE compliant



30kW



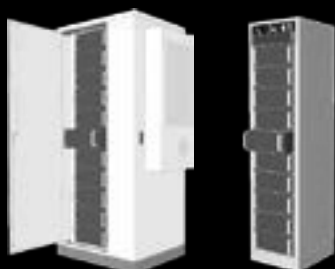
62.5-500kW



50/100kW
Solar + Storage

**Up to 30 kW
+ Up to 100kWh**

For outdoor/
indoor application



C&I BES & Micro-grid

Driven By **Sinexcel**



50~500 kW + Up to 1MWh
with 10/20/40 ft
pre-engineered
ISO shipping container

Sinexcel

Sinexcel Inc.

Web : <http://sinexcel.us/>

E-Mail : henry@sinxcel.us

KEY INNOVATION FOR BATTERY ENERGY STORAGE



Visit us at stand A8

Chris Kennaird, Sales Manager
Grid & Storage will be on hand
to answer your questions
+44 7849 848068

AEG Power Solutions designs and manufactures core power electronics' components to be utilized within an energy storage system; this now includes our new flagship product, ConvertSC FLEX, with its scalable grid, large scale

bi-directional power converter for energy storage applications. Thanks to our engineering expertise we also offer additional components to facilitate a complete turnkey energy storage system. AEG Power Solutions has also

developed an innovative concept of combining battery energy storage and power-to-heat for energy storage applications, this hybrid storage system significantly reduces the cost of primary-frequency power operation.

www.aeggps.com | +44 1992 719200 | uk.sales@aeggps.com

AEG is a registered trademark used under license from AB Electrolux.



**COBALT
ENERGY**
ENGINEERING | PROJECTS | OPERATIONS

SOLAR & ENERGY STORAGE
SERVICES YOU CAN DEPEND ON

t: +44 (0) 1298 931 997 e: info@cobaltenergy.co.uk w: www.cobaltenergy.co.uk

UPCOMING EUROPEAN EVENTS

EARLY BOOKING DISCOUNTS
AVAILABLE FOR ALL EVENTS



**SOLAR FINANCE
& INVESTMENT
EUROPE**

29–30 January | London, UK

Solar Finance & Investment: Europe is the leading event for PV asset owners, developers and financiers all over Europe to discuss secondary market trends, refinancing, post-subsidy development and international opportunities. Meet the most comprehensive pool of asset owners and developers across Europe ready to discuss their portfolio strategy and their subsidy free development plans.



**Energy
Storage**
SUMMIT

26–27 February | London, UK

The only UK downstream focused event addressing energy storage. Three streams filled with end users (residential, commercial and utility scale) to address all for the different market segments. Covering what is the addressable market and how to sell to it as well as how to unlock the much greater potential of energy storage. Come and join the largest energy storage event in the UK to get an update about new business models, trading-based revenues, regulations, financial innovation and international opportunities.

**LARGE SCALE
SOLAR EUROPE**

26–27 March | Lisbon, Portugal

Following the success of last year's event, Solar Media is once again providing the platform for solar professionals to address the new wave of subsidy free business for Europe. This 2 day conference provides attendees with the tools necessary to transition to zero subsidy solar development. Whether this is in 2 months or 2 years, Large Scale Solar Europe will provide attendees with the tools necessary to transition to with ease.



EVERYTHING EVS

2 – 3 April | London, UK

The only event in Europe designed around cities, local authorities, workplaces and commercial carpark owners and operators, Everything EV will connect the supply chain with buyers of vehicles, charging points, funding, software and advice.



SOLAR MEDIA
EVENTS | PUBLISHING | RESEARCH

www.solarmedia.co.uk

EDF BIDS TO DOMINATE EUROPE'S E-MOBILITY MARKET

EDF has set out plans to become Europe's leading e-mobility energy company within four years, pledging to become the biggest charging network operator and lead on smart charging technologies.

Working through its subsidiary Sodetrel, the EDF group plans to become the biggest charging public and private network operator, deploying 75,000 charging points and providing its customers in Europe with access to 250,000 interoperable terminals by 2022.

Owing to a partnerships with around 50 networks across Europe, including ChargePoint Services in the UK, the Sodetrel Network already offers access to 50,000 charging points.

To this end, in 2019 the group will present each of these markets with a fully integrated range of offerings including low carbon electricity, a charging solution for all its customers with access to a parking space, and services geared towards optimised charging and use of the vehicle's battery.

It will also be developing new charging solutions for all customers without access to a parking space, in particular through collaborative innovation initiated by EDF New Business and



EDF R&D.

"In order to achieve this goal, EDF is building an ecosystem of innovative players by forming strategic partnerships for the large-scale roll-out of the best technologies to support our customers," EDF chief executive Jean-Bernard Lévy said.

Among these is EDF Energy's UK partnership with Nissan to test the use of second life batteries with its proprietary demand side response platform in the latest high profile collaboration in the UK energy sector.

The pair have signed a new agreement in Paris which will begin with a joint project to test the business case around using retired batteries from Nissan electric vehicles for commercial battery storage.

FLEXIBILITY MARKETS 'TO DOUBLE' AS ENERGY TRANSITION CREATES £6 BILLION INVESTMENT OPPORTUNITY

The balancing and frequency markets could double in value by 2030, as the energy transition creates £6 billion worth of investment opportunity for battery storage and other distributed generation assets.

That was the viewpoint expressed at last week's Aurora Energy Research event, which also forecasted that around 13GW of new capacity could find a route to market.

While emerging opportunities for batteries will exist in behind-the-meter deployment, alongside renewables or EV charging, energy trading in the balancing and wholesale markets has been singled out as the key market, attracting around 70% of new flexible capacity to 2030.

Richard Howard, research director at Aurora, said: "Over the period to 2030 we expect balancing and ancillary power markets to double in size to around £2 billion per year – opening up opportunities for flexible generators and storage to access new revenue streams."

The opportunity was focused on the changing market designs that have emerged over the last year for energy storage, such as the recent entrance of aggregated battery capacity into the Balancing Mechanism via Limejump's virtual power plant.

However, concerns have been raised that the wider use of battery storage across the balancing market could lead to the kind of price cannibalisation that occurred when batteries entered the frequency response market, which has seen the value of firm frequency response (FFR) collapse.

CARBON PRICING CERTAINTY AND SUBSIDY-FREE CFDS ON ENERGY UK'S BUDGET WISH LIST

Energy UK has placed clarity over the future of carbon pricing and support for deeper decarbonisation of the UK's economy on its pre-Budget wish list.

The trade body last week submitted to chancellor Philip Hammond an open letter, setting out what it would like to see included in the forthcoming budget announcement, to be made on Monday 29 October 2018.

Two of the more considerable asks within the letter include greater clarity over the future of carbon pricing in the UK, including the country's future participation in the EU Emissions Trading Scheme post-Brexit, and new support for least-cost low carbon generation.

In particular, Energy UK has raised the possible introduction of 'revenue stabilisation CfDs' which, if enacted, would bring a route to market for established technologies like solar and onshore wind.

Revenue stabilising or subsidy-free CfDs have been mooted for some time now as a potential answer to bringing more, cheap low carbon generation on stream without subsidising it to the extent that the original CfD process allows for. While the government has previously said the concept was under consideration, no details have been announced and there remains scepticism over whether or not the concept is to be brought forward.

But with the chorus of calls for more significant amounts of low carbon generation only growing louder, BEIS could yet relent.



CURRENT[±] Theatre

9:00 – 9:10

Chair's opening remarks

Our chair for the second day of Solar & Storage Live's Current[±] Theatre, summarises the content for today and declares the conference open.

09:10 – 10:10

Keynote panel: Opportunities as European solar markets transition to subsidy free

We attempt to get to the bottom of the race to subsidy-free as we uncover which markets are closest to grid-parity, determine what's required in a project's economics and take a deeper look at some of the moving parts, especially European power prices. Speakers:

- Lily Coles, commercial operations director, Anesco
- Knud Erik Andersen, CEO, European Energy
- Frank Niendorf, general manager Europe, JinkoSolar

MUST
ATTEND

10:10 – 10:40

Doing business with large energy buyers

What do large energy buyers need from their energy supply? Does it have to be green, cheap and reliable, or a mixture of those to greater or lesser degrees? And while we're here, how could such a large energy buyer monetise their own generation? All of these questions, and more, will be answered. Speakers:

- Myles McCarthy, managing director, The Carbon Trust
- Elliot Whittington, director, The Price of Wales' Corporate Leaders Group
- Chris Regan, head of business development, EDF Energy
- Harry Vickers, vice president, Green Investment Group

Sponsored by 

10:40 – 11:00

Networking refreshment break

A chance to recharge your batteries ahead of the forthcoming sessions. All delegates to the Current[±] Theatre receive free tea, coffee and refreshments.

11:00 – 11:30

Capturing opportunities in the Irish market

Interest in the Irish market is booming following back-to-back policy announcements, and we shine a spotlight on the Renewable Electricity Support Scheme, detailing precisely what it means and how it will work in practice. Speakers:

- Eoin Hartigan, head of origination, energy and cleantech, Bank of Ireland
- Lauren Cook, analyst, Solar Media
- Felicity Jones, partner, Everoze
- Nick Williams, head of origination, Erova Energy
- Eoin Cassidy, partner, Mason Hayes & Curran

MUST
ATTEND

Sponsored by 

11:30 – 12:00

Catalysing the rollout of EV infrastructure across cities

One of the great questions in energy across the globe is how surging demand from electric vehicles is going to be catered for and managed, and this is no greater than in our densely populated cities. We review current government initiatives, look at how charging networks are working forward and how this infrastructure is to be financed. Speakers:

- Philippa Eddie, commercial finance specialist, Infrastructure Projects Authority
- Stirling Habbitts, senior lead project finance London, Triodos Bank
- Matthew Boulton, COO, Pivot Power
- Erik Fairbairn, chief executive, Pod Point
- Steffan Barrow, director of infrastructure structured finance, MUFC Bank

12:00 – 13:00

How solar asset owners are working together better with DNOs

Network outages have threatened, and in some cases succeeded, in taking solar farms and other assets offline at hugely problematic times,

CONFERENCE CONTENT · 17 OCTOBER 2018

placing significant importance on collaborative efforts to ensure outages are managed properly. We hear from asset owners, DNOs and other interested parties to discover how these efforts have been successful.

Speakers:

- Chris Hewett, CEO, Solar Trade Association
- Adele Ara, director of asset management, Lightsource BP
- Richard Wilson, outage planning manager, UK Power Networks
- Ed Gill, UK & European head of press and public affairs, ENA
- Declan O'Halloran, managing director, Quintas Energy

Sponsored by 

13:00 – 14:00

Networking lunch break

Lunch is served! All delegates to the Current[±] Theatre are to head to the conference catering area for lunch, and are welcome to roam the exhibition hall.

14:00 – 14:40

PPAs in Europe: How is the PPA market developing?

Corporates have a significant role to play in decarbonising business and industry, but how the power purchase agreement market is evolving in order to get more of these entities going solar? And, crucially, how are solar companies adapting to dealing with off-takers of different sizes and credit histories? Speakers:

- Scott Burrows, director, Eden Sustainable
- Adrian Cecconi, commercial director, Oakapple Energy

14:40 – 15:15

Floating solar – opportunities in a new market

Floating now represented a huge opportunity for developers across the globe, and we take a deep dive into this subject by reviewing some of Europe's leading projects, examining funding principles and get a developer's perspective on why floating solar makes sense. Speakers:

- Enrico Carniato, group deputy general manager, Upsolar Global
- Barrie Davies, country manager UK, JinkoSolar

15:15 – 16:15

Keynote Panel: Investing in large infrastructure projects

This jam-packed keynote panel will look to tackle some of the key topics in infrastructure investment, including identifying key investors, the challenges covering evolving energy demand, future infrastructure needs and the advantages of low carbon generation and storage. Panellists:

- Ed Simpson, partner, Downing LLP
- Stuart Cleak, partner, Foot Anstey
- Richard Braakenburg, senior vice president, Green Investment Group
- Alejandro Ciruelos, energy and infrastructure MD, Santander Global Corporate Banking
- Alastair Mumford, corporate energy manager, Devon County Council
- Olivier Fricot, European head of power & renewables lending, Investec
- Matthew Tilbrook, director of project finance, Metka EGN

Sponsored by 

16:15 – 16:45

Networking refreshment break

A chance to recharge your batteries ahead of the forthcoming sessions. All delegates to the Current[±] Theatre receive free tea, coffee and refreshments.

16:45 – 17:15

The role that decentralised energy can play in supporting grid operations

A whistle-stop tour of what decentralised energy can achieve on centralised networks, how DNOs/DSOs are evolving in tandem with decentralised power and, crucially, how upgrades can be funded at lowest cost to the consumer. Speakers:

- Robert Hull, independent consultant, Riverswan,
- Nina Skorupska, CEO, REA
- Sortiris Georgiopoulos, head of smart grid development, UKPN
- Mark Holland, head of energy strategy, BSR Group

9:30 – 10:20

How is finance for storage evolving to meet demand?

We kick off a storage-focused morning with this panel discussion that looks to break the back of perhaps the most defining topic in energy storage; how financial models are evolving. Our panel will analyse recent deals, uncover who the key funders are, look at available revenue streams and reveal which technologies banks are comfortable with at this moment in time.

Panellists:

- Michel Hendriks, CEO, Amsterdam Clean Energy Fund
- Alex O'Conneide, CEO, Gore Street Capital
- Stephan Marty, general manager energy storage, Kiwi Power
- Roberto Castiglioni, senior investment director, Argonaut Power

10:20 – 11:40

Projects in the West Midlands: Sustainability West Midlands showcase

Sustainability West Midlands' Anna Bright hosts a showcase of presentations from its members detailing recent projects, followed by a short Q&A session from our audience.

Speaker:

- Anna Bright, chief executive, Sustainability West Midlands
- Julie Gallagher, group UK energy efficiency manager, Veolia
- Kate Ashworth, director of consultancy services, Encraft

11:40 – 12:00

Solar and cryptocurrency mining rigs: A match made in heaven

Easy Crypto Hunter's Joshua Riddett explains how solar asset owners could be driving more value from their excess generation by using it to power cryptocurrency mining operations.

Speaker:

- Joshua Riddett, managing director, Easy Crypto Hunter

12:00 – 12:30

How solar, storage and EV charging are coming together

The REA's Daniel Brown examines the business cases behind solar, storage and EV charging, details the policy background covering the three technologies and forecasts how the market could grow in the future.

Speaker:

- Daniel Brown, policy manager, Renewable Energy Association

12:30 – 13:00

Molton sodium ceramic batteries, a proven alternative to lithium-ion

Our storage focus concludes with a look at molton sodium ceramic batteries, as NGK explains why they're a proven alternative to the more commercially popular lithium-ion batteries.

Speaker:

- Gauthier Dupont, director, NGK

Sponsored by



14:00 – 14:30

Understanding the emerging local flexibility markets

With local flexibility markets popping up across the country, Regen's Ray Arrell takes a deep dive to understand the DNO-led markets, how they are evolving and the specific routes to market they can represent for households and communities.

Speaker

- Ray Arrell, senior project manager, Regen

15:45 – 17:00

Keynote: Sustainable homes for the future

Television personality and our host for this year's Solar Power Portal and Energy Storage News Awards George Clarke presents a keynote session on the current situation with UK housebuilding and asks the pivotal question; are we really designing and building houses – sustainably – that could last for hundreds of years?

Speakers:

- George Clarke, TV Architect

16:00 – 17:00

Keynote: Sustainable homes for the future debate

Following on from George Clarke's discussion, we welcome three additions to a panel debate hoping to dig deeper into the issue of sustainability in housing, looking at the hierarchy of technologies and differing requirements across the UK.

- George Clarke, TV Architect
- Stuart Elms, chief executive, Viridian Solar
- Jamie Bursnell, group technical adviser, Persimmon PLC
- Leanne Farr, sales director, Solar Plants

MUST ATTEND

TOMORROW'S HIGHLIGHTS

CURRENT[±] Theatre

12:00 – 12:40

DER: Helping the decentralisation transition

Broaching topics from storage to smart meters and from solar to policy, we uncover how small-scale power sources will solve some of the major challenges in the energy transition, including how a more flexible and efficient grid can be supported.

Panellists:

- Caroline Bragg, senior policy manager, The ADE
- Aimee Betts-Charalambous, smart meter technology policy lead, BEIS
- Ulrika Wising, head of battery storage and energy efficiency, Macquarie
- Chris Curry, CEO, Omnio Energy



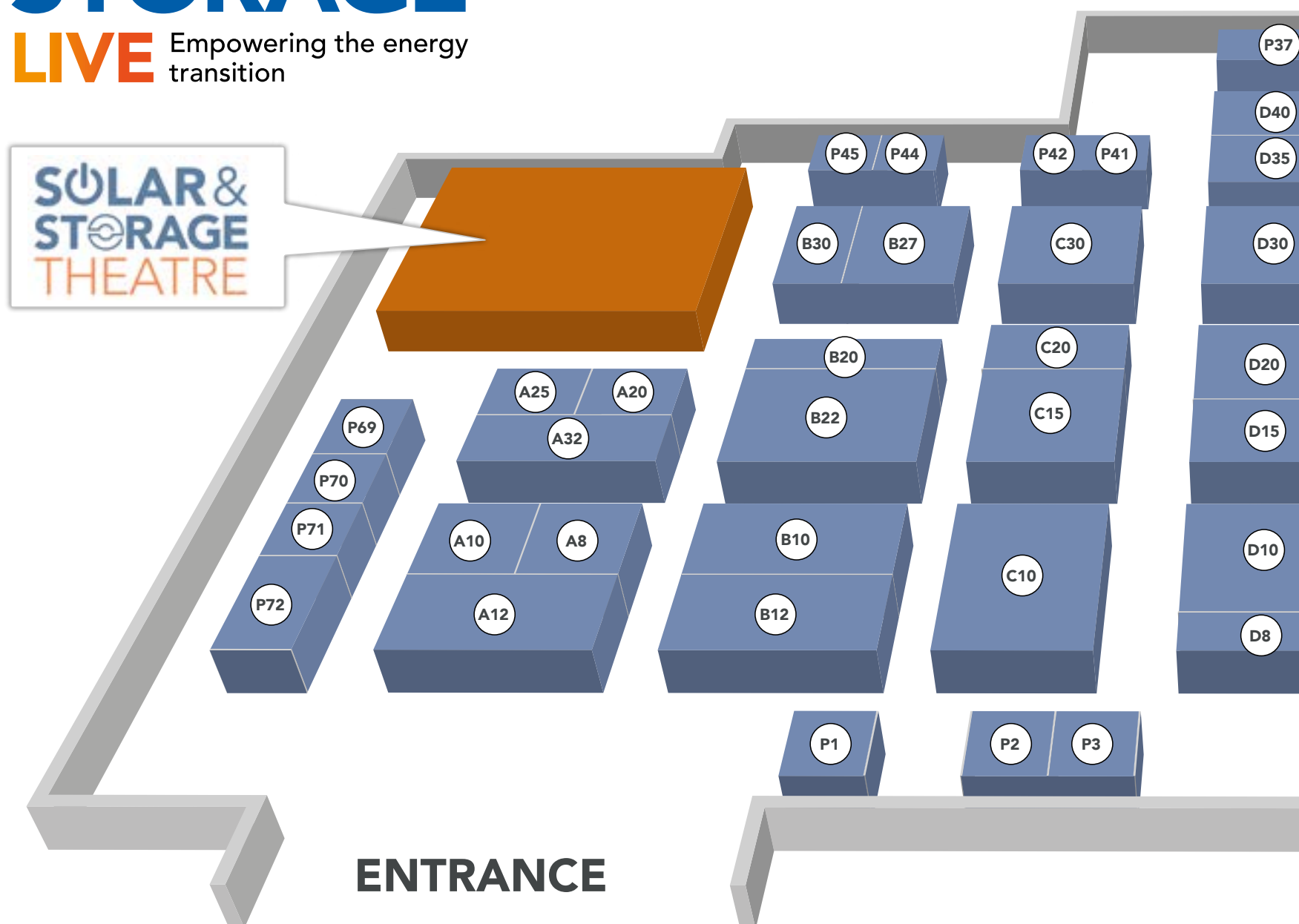
10:30 – 12:30

Stronger together: Workforce diversity and renewables

This session, organised by Regen, details just how a diverse workforce can provide an uplift to your business, how to recruit and hire a progressively diverse workforce and how this can be measured. Includes various case studies and examples from a range of panellists.

SOLAR & STORAGE

LIVE Empowering the energy transition



EXHIBITOR LIST:

ADAS	P44	East Group	D15	HVSS	E24
AEG Power Solutions	A8	EDF Energy	G44	IMO Precision Controls	A20
Afore New Energy Technology (Shanghai)	F10	Erova Energy	A10	IRFTS – Easy Roof	P7
Athena PTS	E18	Ethical Power Group	F38	JA Solar	C20
BAE Batterien	H27	Foot Anstey	P31	JinkoSolar	F34
Berlin Brandenburg Energy Network	H27	Freedom Group of Companies	G12	KACO new energy	F20
Beta Transformer	P32	g2 Energy	D40	Kiwi Power	E29
Bosch	H28	Genius Roof Solutions	A25	Marlec Eng	H30
Cegasa Portable Energy	C30	Giv-Energy	B20	MeadoTech	E45
Clean Solar Solutions	G42	GoodWe Power Supply Technology	D8	Midsummer Energy	D20
Distech Controls SAS	P5	Green Frog Connect	F24	MLR Solar-Tech Solutions	F30
Easy Crypto Hunter	P33	Groupe Solution Energie	C10	Moixa	F42
E2M Energy Trading	P45	Guangzhou Sanjing Electric	B30	myenergi	G20
EA Technology	G5	Hoymiles Power Electronics Technology	B10	Narada Europe	F12

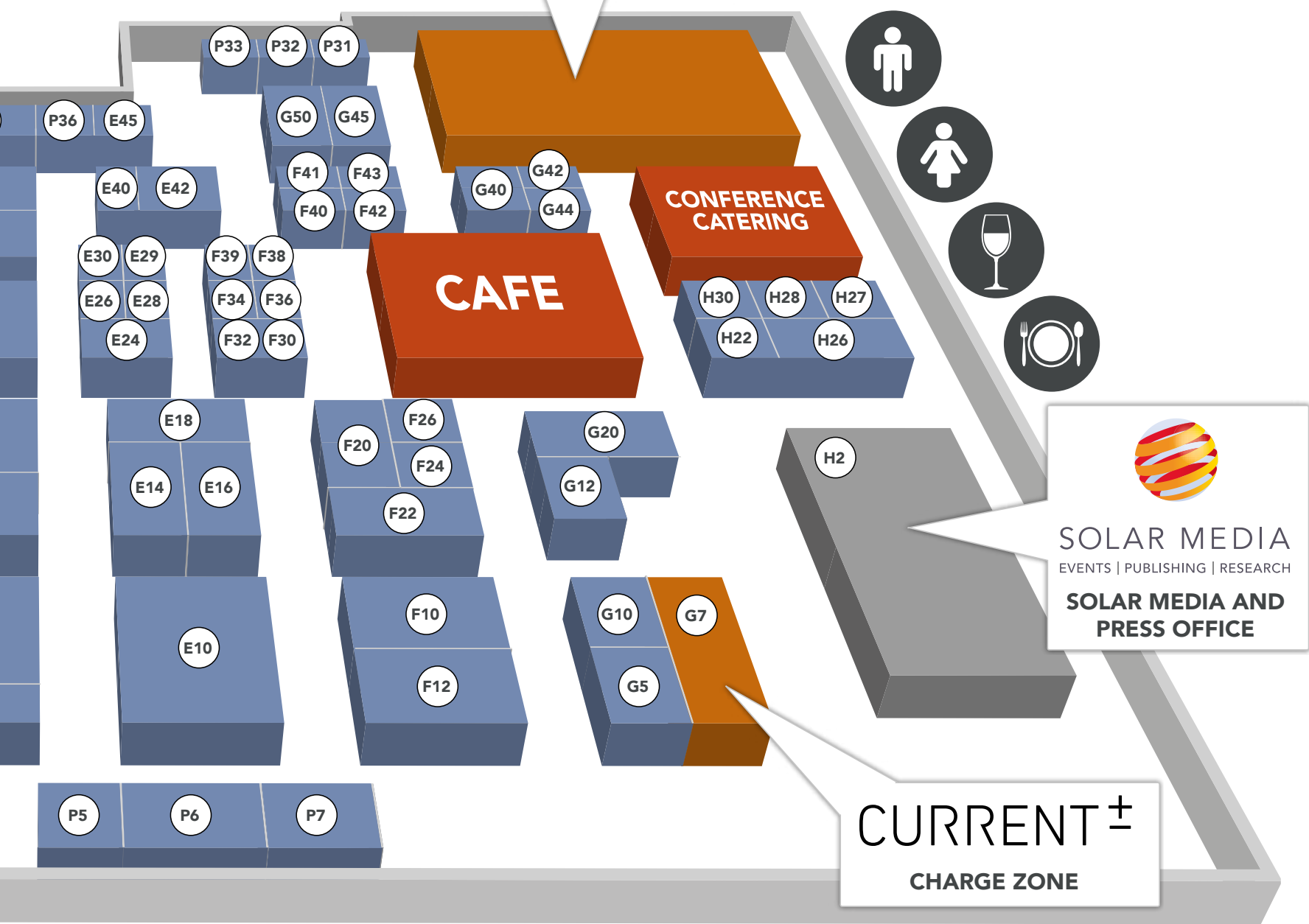
SOLAR & STORAGE THEATRE SPONSOR

LANYARD SPONSOR

CAFÉ SPONSOR



CURRENT[±] Theatre



NEC Energy Solutions
NGK Europe
Omexom
Omnik New Energy
PassivSystems
Peimar Group
Pestfix
Pollock Associates
Power Saving Solutions
PPSP Supplies
Prime Hybrid Energy
Projoy
PVStream
RECC

G45 Regen
E30 Renewable Energy Association
P70 Shenzhen Growatt New Energy Technology
F26 ShenZhen Lux Power Technology
E26 Shenzhen SofarSolar
E40 Sinexcel
E42 Smilics Technologies
P2 Smith Brothers (Contracting)
D35 Socomec
E28 Solar Limpets
A12 Solar Media
P71 Solar Panel Cleaning Services
F32 Solar Trade Association
P36 SolarEdge

P6 SolaX Power Europe
P3 Sterling & Wilson
E14 STF Solar PV Mounting Systems
E16 Sustainability West Midlands
B27 Tesvolt
B12 The Institution of Engineering and Technology
G40 UKSOL
G50 Van der Valk Solar Systems
F22 Valentin Software
H22 Wattstor
H2 Waxman Energy
F40 Westech Solar (UK)
P72 Wind & Sun
C15 WPO

D30
F41
F43
P69
H26
P37
P41
A32
H27
C30
D10
E10
B22
F39

CURRENT[±] THEATRE SPONSORS



Deloitte

FootAnstey



EXHIBITORS



Stand: P44

Spring Lodge, 172 Chester Road, Helsby, WA6 0AR
www.adas.co.uk · 0190271258 · kirsty.castree@adas.co.uk
 The UK's largest independent provider of agricultural and environmental consultancy and policy advice. Our experience and robust scientific approach allows us to meet our clients' energy needs and provide guidance and development opportunities.



Stand: A8

Electric Avenue, Wenta Business Centre, Suite 16, Innova Park, EN3 7XU
www.aegps.com · +44 (0) 7849 848 068
Chris.Kennaird@aegps.com
 AEG Power Solutions designs and manufactures the core power electronics components that can be utilized within an energy storage system. Thanks to our engineering and procurement expertise we can also offer additional components to facilitate a complete turnkey energy storage system. AEG Power Solutions has also developed an innovative concept of combining battery energy storage and power-to-heat for energy storage applications, this hybrid storage system significantly reduces the cost of primary-frequency power operation.



Stand: F10

www.aforeenergy.com · 86-021-54326230
info@aforeenergy.com
 With 10 years solar inverter manufacturing experience, known by customers over 100 countries, Afore has won high reputation by innovative R&D, high efficient production, patient and professional technical support and service, localized warehousing and globalized marketing. Tens of thousands Afore inverters are installed worldwide because of excellent stable performance, cost effectiveness and high efficiency of compact premium unique cooling design.



Stand: E18

Phoenix Business Centre, Phoenix Road, Barrow-in-Furness, Cumbria, LA14 2UA
www.athena-pts.com · 07229840241
allie.jackson@athena-pts.com
 Athena PTS is an independent, privately-owned company providing electrical design consultancy, project support services & specialist installation works. With a diverse capability and broad experience in the design, build & commissioning of electrical power systems, our skilled & dedicated people provide the strength to deliver and support complex schemes with ease. Established in 2011 by Directors David Shawcross, Mark Skeels, Neil Smith and Keith Bennett, operations are based in South-West Cumbria on the edge of the Lake District. It is one of the most beautiful areas of the UK, with first class amenities and outdoor activities, a long-standing tradition in engineering and holding a key location in "Britain's Energy Coast" development region – an ideal base for Athena PTS.

BAE Batterien

Stand: H27

Wilhelmshofstraße 69/70, 12459 Berlin, Germany
www.bae-berlin.de/en/ · 49 (0)30 53001 – 0
info@bae-berlin.de
 Since 1899 BAE stands synonym for quality and reliability on the market for industrial lead batteries. Nowadays we are an independent medium-sized company with a well-established position in the international battery market. BAE excels in its customer orientation and quality is our hallmark. A highly flexible and process-orientated structure enables us to provide our customers with tailor-made solutions.

Berlin Brandenburg Energy Network

Stand: H27

c/o DWR eco GmbH, Albrechtstraße 22, 10117 Berlin-Mitte, Germany
www.bbenergynetwork.de · 49 30 555 70 815
info@bbenergynetwork.de
 We are the network and advocacy of the energy transition in Berlin-Brandenburg. As an interface between business, politics and science, we are committed to solutions for the effective implementation of the energy transition in the region and support entrepreneurial activities in the industry. Our network members and partners are dispersed across all industry sectors from renewable energies through energy efficiency to storage and mobility.

We support our members through network meetings, sector-specific events, the initiation of regional and international projects as well as through marketing and communication.



Stand: P32

187 Angel Place, Fore Street-Edmonton London, United Kingdom N18 2UD
www.betatransformer.com/en/ · 07534290023
info@betatransformer.com
 Beta Transformer offers quality solutions for the needs of energy sector by productive manufacturing process.

Bosch GmbH

Stand: H28

Postfach 30 02 20, 70442 Stuttgart, Germany
www.bosch.com · +49 173 6303472 · Julian.Pleli@de.bosch.com
 Battery storage systems from Bosch fulfil a variety of functions at centralized and decentralized levels. They provide security of supply and economic efficiency in many different areas, from municipalities and industry to utility companies and providers of control reserve and project developers. Bosch solutions are optimally matched to customer-specific power and capacity requirements and thus help you to achieve maximum storage use efficiency.

Cegasa Portable Energy

Stand: C30

Suite 10, First Floor, 1 Derby Square, Liverpool, L2 AB1
www.cegasa.com · 07496153616 · lirving@cegasa.com
 Cegasa was founded in 1934, from the start our company has always worked in the area of electrochemical energy storage. We are manufacturers of Industrial Batteries, Lithium-Ion Batteries and solutions for energy storage. Our products are developed and manufactured entirely in Europe. Our facilities have a useful area of more than 24,000 square metres, divided among laboratories, offices and production areas.

Clean Solar Solutions

Stand: G42

15 Bridge Road, Wellington, Telford, TF1 1EB
www.cleansolar.solutions · 02033979934
info@cleansolar.solutions
 Since 2013, Clean Solar Solutions have been leading the UK solar panel cleaning industry, providing expert, professional services to clients to improve the performance of their solar panels. Proud to have grown into an international award-winning operations and maintenance company, our expertise earns us kudos as a preferred partner and service provider for solar array owners across the whole of the U.K. and now in Ireland and Australia. The recent addition of a robotic cleaning solution provides an efficient service and high quality clean on large scale ground and roof mounted arrays. Our Managing Director, Steve Williams works closely with the solar industry at European level, advising the industry regarding health & safety and best practice for solar panel cleaning.

Distech Controls SAS

Stand: P5

25 Five Mile Drive, Oxford, Oxfordshire, OX2 8DL
www.distech-controls.com · 0207 092 6684
crigolet-boulangeot@distech-controls.com
 Distech Controls is a leading global building automation manufacturer supplying a comprehensive and innovative range of IP connected products for metering, monitoring and controls applications. We will be showcasing our fully programmable web-serving ECLYPSE™ controllers and HORIZON-C touchscreens which are ideal for managing multiple renewable energy sources and battery storage on multiple sites. We will also be demonstrating our cloud monitoring, analysis and reporting services.

E2M Energy Trading

Stand: P45

Weißenfels Str. 84, 04229 Leipzig, Germany
www.e2m.energy · 07500207475 · neil.dawson@e2m.energy
 Our technology maximises our customers' benefits from the energy revolution. We have extensive experience connecting all types of generation, supply and storage into our virtual power plant (VPP) and then enabling it to extract the benefits of flexibility and market access and real time monitoring. We are active throughout Europe and our technology and experience is market leading. This allows our customers to access a full range of traded, balancing, and ancillary services markets to reduce bills, generate revenue and support the integration of new and green technology into the energy networks. We offer: Distributed generation: – PPA products on fixed or index pricing, Industrial /Commercial Supply: – Fixed and flexible supply, Flexible consumption or production: – market optimisation, DSR, ancillary services, Industry Partners: – VPPaS and infrastructure services.



Stand: G5

Capenhurst Technology Park, Capenhurst, Chester, CH1 6ES
www.eatechnology.com · 07769272389
kirstyjefferson@eatechnology.com
 EA Technology is a specialist in asset management solutions for owners and operators of electrical assets. We are committed to providing our customers with innovative products and services, consultancy and training which deliver tangible benefits for their businesses enabling them to create safer, stronger and smarter networks for today and the future. We have a detailed understanding of electrical assets from the components up; we understand how assets operate, how they are installed, how they are used, and how/why they fail. We use this knowledge to help our clients implement pragmatic and cost-effective solutions to manage and get the most value out of their assets.



Stand: D15

No. 6, Industrial North Road, Songshan Lake High-tech Industrial Development Zone, Dongguan, Guangdong, China
www.eastups.com · +86 769 2289 7777
holiday@eastups.com
 EAST Group Co., Ltd. (stock code: 300376), established in 1989, is the National Torch Plan Key High-Tech Enterprise, outstanding enterprise for Smart City and Smart Energy system solutions and Global Top 500 New Energy Enterprise (ranked 18th in Global Competitiveness Top 100 new energy enterprises). EAST professionally commits itself to high-tech products development, manufacturing, marketing and providing all-around system solutions, including Smart City & Big Data, Smart Energy, Rail Transit and military supplies. EAST owns more than 80 wholly-owned or holding subsidiaries and sets up 268 customer centers all over the world, which covers more than 100 countries and regions around the world, and the total staff is over 10,000 people.



Stand: P33

Europa House, Barcroft St, Bury, BL9 5BT.
www.easycrypthunter.co.uk 0161 7638 728
info@easycrypthunter.co.uk
 Easy Crypto Hunter was founded in 2017 by a team who are passionate about cryptocurrency. CEO Josh built his first rig because he was really interested in crypto and wanted to earn a passive income from mining. After speaking to people and seeing the huge demand, we founded Easy Crypto Hunter so that you can benefit from this too! We're now known as the UK's leading GPU mining experts. Our CEO Josh regularly keynotes on the subject at the most prestigious crypto events in the calendar.



Stand: G44

22/30 Avenue Wagram, 75008, Paris, France
www.edfenergy.com · 07875117377
john.munro-hainsworth@edfenergy.com
 EDF Energy is the UK's largest producer of low-carbon electricity and recognises that energy is more challenging than ever, so are striving to make it simpler – to help organisations save, manage, and secure their energy. We design and deliver energy solutions for some of Britain's most innovative businesses. With our expertise we can enable you to cut costs, increase your output and meet your sustainability targets. Our range of solutions includes energy monitoring and energy efficiency, demand side response and storage.

EXHIBITORS

Erova Energy

Stand: A10

Molesworth House, 1-2 South Frederick Street, Dublin D02 N820, Ireland
www.erovaenergy.ie · +353 (0) 1474 4817
nick.williams@erovaenergy.ie

Erova Energy is an energy trading company based in Dublin that commenced trading in the UK and Irish power markets in July 2015 and now has offices in Dublin, London and Amsterdam.
Erova has unique expertise in short term traded markets with traded volumes in excess of 150 GWh/month across both proprietary and client based positions. Erova services include interconnector trading, imbalance management, trading of renewable certificates, bespoke trading analytics, renewables forecasting and energy trading risk management solutions. We provide 24 hour shift trading with continuous market coverage 365 days a year.

Ethical Power Group

Stand: F38

Unit 9 Dunchideock Barton, Dunchideock, Exeter, EX29UA
www.ethical-power.com · 01726218618
stuartwhiteford@ethical-power.com

Ethical Power is one of Britain's most innovative and ambitious renewable energy companies.
Initially Ethical Power was solely a rooftop solar panel supplier and installer. We have since evolved to become UK market leaders in the financing, development, construction and maintenance of renewable energy projects. Our expanding and knowledgeable team aims to build the highest quality generators available in the UK market, focused on producing extremely high yield in terms of power generated. Ethical Power are operating proudly under a company name that demands the highest of standards, cementing our place as a successful company with a long-term vision in a highly competitive renewables market.

Foot Anstey LLP

Stand: P31

2 Glass Wharf, Bristol, BS2 0FR
www.footanstey.com · 0117 915 4636
Rachael.Bristow@footanstey.com

Foot Anstey has one of the fastest growing energy practices in the UK with market strength in energy storage. We are passionate about providing innovative legal advice to help you achieve success in the project development, funding and M&A of solar, wind and energy storage in the UK and overseas. Our team is recognised for its specialist expertise and advice in the energy sector. We work exclusively in-sector, for clients ranging from developers and suppliers to investors and lenders. According to clients Foot Anstey "understand our business intimately and are very responsive and pragmatic – even when faced with the most challenging deadlines. Client service is at the front and centre of what the team delivers."



Stand: G12

www.freedom-group.co.uk · 07827 306475
claire.briody@freedom-group.co.uk

Founded in 1996 with an entrepreneurial management buyout from Yorkshire Electricity, our team has grown significantly with over 600 employees, a further 400 sub-contracted specialists and sixteen offices in the UK and Western Europe. Each of our four business units operate consistently to deliver our service. The Senior Management team constantly monitor, encourage and challenge to ensure that we remain focussed on our business plans and remain true to our values and strategy.

g2 Energy

Stand: D40

Olney Office Park, Osier Way, Olney, Bucks, MK46 5FP
www.g2energy.co.uk · 01234 482482
suzylester@g2energy.co.uk

Lloyds registered ICP – High Voltage Electrical and Civil Engineers specialising in grid connections and electrical infrastructure. We can offer design and build on Containerised Substations. To date, we have connected over 300 projects, including solar and the UK's first EFR battery projects.

Genius Roof Solutions

Stand: A25

243A Southport Road, Ulles Walton, Leyland, Lancashire, PR26 8LQ
www.geniusroofsolutions.com · 01257 793113
jemma@geniusroofsolutions.com

The SolarFlash™ system is a simple and effective waterproof solution to refitting roofing slates or tiles around a roof bracket when installing solar photovoltaic, or other panels.

Giv-Energy

Stand: B20

01377 252874 · carl.pote@jmhing.com

GivEnergy is a manufacturer of electronic equipment designed to manage energy use and production. We specialise in a range of inverters and battery systems which have been developed to negate the need for costly infrastructure upgrades in Low Voltage areas. Our systems use intelligent algorithms to peak shave and make the most of ToU and economy 7 tariffs as well as storing excess generated power from solar, wind etc to maximise self-consumption.



Stand: D8

A189 Kin Lun Sham Road, Suzhou, Jiangsu, China
www.goodwe.com · +86-512-62397998
sales@goodwe.com

GoodWe is a leading, strategically-thinking enterprise which focuses on research and manufacturing of PV inverters and energy storage solutions. With an average monthly sales volume of 30,000 pieces in 2017 and 12 GW installed in more than 100 countries, GoodWe solar inverters have been largely used in residential rooftops, commercial systems, and energy storage systems. GoodWe ranked as World Top 10 solar inverter manufacture by Bloomberg, IHS & GTM. GoodWe benchmarks its success on the success achieved by its customers by identifying and integrating the most advanced components and techniques available while offering an unparalleled after-sales service.



Stand: F24

The Hive, 6 Beaufighter Road, Weston-Super-Mare, North Somerset, BS24 8EE

www.greenfrogconnect.co.uk · 01934 411 233
info@greenfrogconnect.co.uk

As part of the Green Frog group we help drive innovation across the ever-changing energy sector. Working collaboratively, the Green Frog group of companies offer complete turnkey solutions to meet the energy, power and heating demands of our clients. Since our inception in 2012 we have grown to become the UK's leading ICP, focusing exclusively on power generation and energy projects. In 2015, we began offering EPC services for embedded power generation projects, expanding our scope to include civil works and balance of plant.



Stand: C10

155-159 Rue du Docteur Bauer, 93400 Saint-Ouen, France
www.gseintegration.fr · +33 6252 31794
benjamin.moreau@gseintegration.fr

GSE Integration is a programme to develop mounting and integration systems by SVH Energie. SVH Energie is first and foremost a philosophy. We are motivated by the essential need to provide our customers with the most innovative and suitable products. Our teams are driven by the constant quest for innovation. Our philosophy can be summed up in three points. Innovation: By listening to the market, and responding appropriately to the needs of our customers in conquering new markets. Competitiveness: By adapting and controlling production and costs, offering competitive and attractive products. Safety: By testing and submitting our products and procedures to the most demanding certification standards, we offer you the guarantee of reliable products.
Fruit of constant efforts by our research and development department, the GSE IN-ROOF SYSTEM for photovoltaic integration has now captured over 60% market share of residential installations in France.



Stand: B30

SAJ Innovation Park, No.9, Lizhishan Road, Science City, Guangzhou High-tech Zone, Guangdong, P.R.China.
www.saj-electric.com · +8618819417152
guoqing.yan@saj-electric.com

SAJ is a state-level high-tech enterprise specially focusing on motor drive & control technology, renewable energy conversion, transmission and storage solutions. With a strong R&D and service team and through more than a decade of development in manufacturing and sales of inverters and AC drives and eSolar ecological system as a perfect service system, SAJ has gained lots of achievements in both products development and market development. SAJ products have gained domestic & international honors such as TÜV Rheinland Award. With the strategy of local service network, SAJ has more than 20 branch offices and over 80 service centers in China, and its overseas service center has expanded to Germany, Belgium, Turkey, Australia, India, Brazil and other countries.



Stand: B10

2 The Diamond, Ballycastle, BT54 6AW
www.hoymiles.com · +86 571 28056101
nikki.yan@hzconverter.com

Hoymiles is a world leading microinverter company specializing in MLPE (Module-Level Power Electronics) solutions for global solar investors & end users. Today, 10,000+ commercial & residential rooftop installations (the biggest one 3.6MW) are built annually with different types of Hoymiles microinverters.

HVSS

Stand: P67

Middlesex House, 29-45 High Street, Edgware, HA8 7UU
www.hvss.co.uk · 02082058653
sina.etminan@hvss.co.uk

HVSS based in North West London, specialising in design, installation and commissioning of High Voltage Substations Systems – up to 275kV. We at HVSS pride ourselves in providing a comprehensive service for all aspects of Survey, Feasibility Study, Planning, Design, Installation, Project Management and Commissioning for high voltage systems. With our electrical engineering expertise and industry experience, we aim to assist businesses (Factories, Energy Storage, Solar Farms, CHP, Biomass, Peaking Service) from the very earliest stages of project conception and planning – grid connection for either demand or generation. Our expert engineering teams can provide you with: Special attention for Clean Energy Grid Connection to comprehensively provide solutions for relevant issues of harmonics, fault levels, reactive power, G59 etc

IMO Precision Controls Ltd

Stand: A20

The Interchange, Frobisher Way, Hatfield, Hertfordshire, AL10 9TG
www.imopc.com · 01707 414444 · r.levi@imopc.com

Since 1972, IMO has been manufacturing and supplying industrial control and electronic components and systems. Our history is one of innovation. Whether it is the first ever BT Type 47 approved relay, or the market-leading SI range of TRUE DC solar isolators – with over 5 million installed units worldwide with ZERO reported electrical failures – IMO has always been focused on breaking barriers. Our quality assured manufacturing sites ensure IMO products continue to be recognised for their quality and reliability.



Stand: P7

26, Rue du 35 ème régiment d'Aviation Parc du Chêne, 69500 Bron, France
www.irfts.com · 33615472849 · julien.aubenas@irfts.com
Established in 2009, IRFTS is a french engineering and research company focused on solar technologies and applications. IRFTS aims at easing the access to the solar technologies by inventing and manufacturing new solar systems for roofs, ground mounted or standalone systems worldwide. IRFTS provides it solutions across the Europe and it's the specialist in the design and marketing of building integrated photovoltaic mounting system thanks to EASY ROOF EVOLUTION. The company also provides mounting solutions for on-roof but also solar pergolas | carports and solar sunshades



Stand: C20

Building No.8, Nuode Center, Automobile Museum East Road, Fengtai District, Beijing
www.jasolar.com · +8602160955532
zhangxuewei@jasolar.com

Founded in 2005, JA Solar is a global manufacturer of high-performance photovoltaic (PV) products, with a business portfolio including wafers, cells, modules and photovoltaic power stations. Thanks to its 11 production bases and 27 branches, JA Solar products are available in over 100 countries and regions. They are used extensively in utility scale power plants, commercial and institutional applications and residential rooftops. Supported by technological innovation, sound financial performance, and an advanced global sales and service network, JA Solar has been well received by domestic and foreign clients. For several consecutive years, the company has been listed on the Fortune China 500 list and the World TOP 500 Energy Companies.

EXHIBITORS



Stand: F34

Freisinger Str. 9, Unterschleissheim, 85716, Germany
www.jinkosolar.com · 49 151 6290 9260
agnieszka.michalak@jinkosolar.com
JinkoSolar (NYSE: JKS) is a global leader in the solar industry. JinkoSolar distributes its solar products and sells its solutions and services to a diversified international utility, commercial and residential customer base. JinkoSolar has over 12,000 employees across its 8 productions facilities, and 18 global sales offices. JinkoSolar has built a vertically integrated solar product value chain, with an integrated annual capacity of 9 GW for silicon ingots and wafers, 5 GW for solar cells, and 9 GW for solar modules, as of March 31, 2018.



Stand: F20

Interchange House, Howard Way, Newport Pagnell, Milton Keynes MK16 9PY
www.kaco-newenergy.de · 49713238180
christina.bruhn@kaco-newenergy.de
Headquartered in Germany, KACO new energy is one of the pioneering manufacturers of solar PV inverters. Operating globally, the product range today also includes solutions for energy storage and grid management.

Kiwi Power

Stand: E29

3 London Wall Buildings, London Wall, London, EC2M 5PD
www.kiwipowered.com · 07875263989
qscrimshire@kiwipowered.com
KiWi Power is the UK's leading demand response aggregator and has been a key player in the UK energy market since 2009. We are passionate about driving innovation in technology to create efficiencies, generate commercial opportunities and promote a green agenda. We work confidently with policy makers, System Operators and network operators to help evolve the energy landscape. As a result, KiWi Power has been instrumental in setting up new demand response programmes in the UK and around the world.

Marlec Eng Co Ltd

Stand: H30

Rutland House, Trevithick Rd, Corby, NN17 5XY
www.marlec.co.uk · 01536 201588 · teresa@marlec.co.uk
2018 celebrates Marlec's 40th anniversary in the renewable energy industry, we are the longest established in the UK industry and in an almost unique position worldwide. We have remained continuously committed to the use of non-fossil fuels for energy generation and over the last 40 years have attained installations numbering more than 100,000 of our Rutland Windcharger turbines alone. We were a key player in the emerging solar photovoltaic market from 1987 onwards and our solar panel distribution for BP Solar expanded from off grid sales to home PV systems.

MeadoTech Ltd

Stand: E45

Unit 4 Henley Grove, Industrial Estate, Rotherham, S61 1RS
www.meadotech.co.uk · 01142425465
ruth@meadotech.co.uk
MeadoTech provides Grid Energy Storage Systems ESS on both micro and mini scales for both domestic and industrial self-consumption applications. We develop and manufacture our own mini / micro wind and hydro power generators integrated in our Energy Storage Systems and also bespoke Lithium Battery storage systems for On Grid Energy Storage Systems and other renewable energy applications.

Midsummer Energy

Stand: D20

Midsummer Energy, Fen House, Fen Rd, Cambridge, CB4 1UN
www.midsummerenergy.co.uk · 01223851535
trade@midsummerenergy.co.uk
Experts in the wholesale distribution of Solar PV, battery storage and EV charging products. We have a friendly, knowledgeable team, easy online ordering and a wide range of products at fantastic prices. Based in Cambridge, we deliver across all of the UK and Ireland. Find out more at midsummerwholesale.co.uk or try our free design software easy-pv.co.uk



Stand: F30

90 Smeeth Road, Marshland St James, Wisbech, Cambridgeshire, PE14 8JG
www.mlrsolar-tech.solutions · 07768198356
matthew@mlrsolar-tech.solutions
We specialise in the maintenance of solar farms throughout the UK and were one of the first solar cleaning and maintenance companies. We have been working for more than 4 years in the industry and have been fine tuning and developing the most efficient way of cleaning. Our machinery has been adapted to produce the most thorough clean based on our experiences.
MLR Solar-tech solutions use the lightest produced tractor to power the sunbrush and are well known for leaving sites with only minimal ground disturbance. We can also clean narrow aisles with our unique custom built hand cleaning equipment. We have equipment for use on hard to reach panels or small sites.



Stand: F42

29-31 Saffron Hill, London, EC1N 8SW
www.moixa.com · +44 (0)207 734 1511 · guste@moixa.com
Moixa is the UK's leading smart battery company. We leverage advanced technologies, AI and machine learning to help energy storage systems adapt to household patterns and support new services. Along with smart energy sharing, we help everyone from individual homeowners, to councils and large property companies to manage and reduce their electricity bills. Moixa has an unrivalled track record in the UK home battery market, with over 10 years of research and development, strong international patents and proven technology. We have installed Moixa Smart Batteries in 1,500 homes nationwide with a combined capacity of over 2MWh and nine million hours of use.



Stand: G20

Church View Business Park, Binbrook, Market Rasen, Lincs, LN8 6BY
www.myenergi.uk · 0333 300 1303 · sales@myenergi.uk
At myenergi our mission is simple, to help businesses and homeowners save money through reducing their energy bills and ultimately become part of a sustainable future. Designers & Manufacturers of leading products zappi, eddi & harvi.



Stand: F12

Spectrum House, Dunstable Road, Redbourn, St Albans, AL3 7PR
www.naradaeurope.com · 07966650342
robert.marshall@naradaeurope.com
Narada, established in 1994 in Hangzhou/China, has become one of the leading battery manufacturers and global battery suppliers of the world.
The main business is the development, manufacturing, sales and service of communication backup, motive power and renewable energy storage batteries and accessories as also their system integration. The leading products are highly reliable Lead Acid batteries of the VRLA type, Lithium-ion cells and batteries and related components and subsystems. These products are widely used in telecom, electric power, railway and other infrastructure industry and are also sought after to store efficiently renewable energy coming from photovoltaic energy and wind farms.



Stand: G45

155 Flanders Road, Westborough, 01581, United States
www.neces.com · +1 508-497-7261 · rlin@neces.com
NEC Energy Solutions, headquartered in Westborough Massachusetts USA and a subsidiary of NEC Corporation, designs, manufactures, and integrates smart energy storage solutions for the electric grid and other applications with critical power needs. As a leader in energy storage system integration, it provides solutions ranging from battery systems for telecom, datacenter, and other industrial applications, to megawatt-scale energy storage and control systems that support the operation of the grid, while enabling more wind and solar generation to be installed and better utilized. Its megawatt-scale energy storage solutions have been successfully operated in commercial revenue service since 2008, while its high performance lithium-ion battery systems provide better value than traditional lead-acid batteries in tough, critical power applications.

NGK Europe GMBH

Stand: E30

www.ngk-e.de · 0049 6173 993 239 · gdupont@ngk-e.de
NGK Insulators, Ltd., founded in 1919, is a Japan-based company mainly engaged in the provision of ceramic products. NGK was the first in the world to commercialize a NAS battery system which is characterised by large capacity, high energy density and long life. By storing fluctuating renewable energy such as wind and solar during off-peak times, NAS batteries safely and efficiently supply reliable power during peak demands. With a capacity of six hours, NAS batteries are the green alternative to fossil fuel peak plants. NAS batteries can additionally provide any type of application depending on your needs, like deferral of grid and generation investments, provide on-peak / off-peak price arbitrage, frequency regulation, ramping services, voltage control and other grid functions.



Stand: P70

Unit 5B, 21 Old Channel Road, Belfast, BT3 9DE
www.omexom.co.uk · 02890958146
michael.threlfall@omexom.co.uk
Omexom UK & Rol is a turnkey infrastructure solutions provider. We offer solutions for Generation, Transmission, Distribution and Substations across 5 main business units in the UK and Rol. Specifically, we provide solutions for substation and overhead line construction and refurbishment projects for; Solar PV Farm Developers, Distribution Network Operators (DNO), Transmission System Operators (TSO), Wind Farm Developers, and Private Network Operators. We ensure the highest level of customer service from inception to execution of a given project. Our trained professionals work efficiently and communicate in a clear and timely fashion with the customer.

Omnik New Energy

Stand: F26

Weixin Road 63, SIP, Suzhou, China
www.omnik-solar.com · 86 512 6956 8216
sales@omnik-solar.com
Omnik New Energy Co., Ltd is an innovative solar inverter manufacturer in China. We produce Micro-inverters (300W and 600W), single-phase inverters (1kW-6kW) and three-phase inverters (4kW-50kW).

PassivSystems Limited

Stand: E26

Benyon House, Newbury Business Park, Newbury, West Berkshire, RG14 2PZ
www.passivsystems.com · 01635 525050
richard.weetman@passivsystems.com
PassivSystems has been at the forefront of applying machine learning, big data analytics and advanced algorithms to complex energy problems since 2008. The company launched its Solar PV monitoring service into the asset backed market in 2010 and for the last 2 years it has been ranked UK #1 by Greentech Media Research, the international research company. PassivSystems is at the forefront of research into the optimisation of local generation and flexible demand to improve consumer outcomes whilst minimising the energy system costs arising from highly variable renewable generation. Research outcomes (for example Freedom Project and Smart Energy Islands) are proving that flexible demand is critical to delivering future energy systems.

Peimar Group

Stand: E40

Venture House, Arlington Square, Downshire Way, Bracknell, RG12 1WA
www.peimar.com · 01164 062660
juan.romerawade@peimar.com
PEIMAR is an Italian company specialising in the design, research and manufacturing of high efficiency photovoltaic modules. Thanks to constant technical innovation and in depth know-how acquired over the years, PEIMAR offers Made in Italy solar panels, manufactured using high quality materials and designed to meet the highest performance standards.

EXHIBITORS

Pestfix

Stand: E42

Unit 1D Littlehampton Marina, Ferry Road, Littlehampton, West Sussex, BN17 5DS
www.pestfix.co.uk · 01903538488 · anna@pestfix.co.uk
 Are pest birds affecting your business? Are they costing you thousands in lost revenue? If so, come and see us on Stand E42, we will show you how you can protect your business and maximise your profit with the new Agrilaser Autonomic laser bird dispersal system from PestFix. The unique, award winning Agrilaser is a stand-alone solution that enables you to keep solar PV arrays bird-free: Protecting Assets, Mitigating Disease Transfer, Saving Energy, Reducing Maintenance, Extending Service Life, Cutting Operating Costs and Enhancing Appearances. Want to know how you can protect your assets and maximise your profit quickly and easily, then come and talk to us on stand E42. PestFix... Protecting your Business – Maximising your Profit



Stand: P2

Cringle Road, Stoke Rochford, Grantham, Lincolnshire, NG33 5EF
www.pollock-associates.co.uk · 01476 530000
josh@pollock-associates.co.uk
 Pollock Associates was founded in 2007 to bridge the gap between property and renewable energy. Advising clients on land acquisition, project development, and renewable project returns be they developers or property owners. We also offer a renewable property management service to sit alongside your asset management or O&M contracts. As specialist rural Chartered Surveyors we have significant experience of land ownership and occupancy arrangements. We understand the importance environmental cross compliance, agricultural legislation and habitat conservation as well as Landowner relationships including lease obligations, rights and covenants, planning conditions and other third-party arrangements. Pollock Associates are rural chartered surveyors and niche renewable energy property consultants. We provide independent, impartial advice on all areas of renewable energy production and asset compliance.

Power Saving Solutions

Stand: D35

Unit 7, Cobnar Wood Close, Sheepbridge Industrial Estate, Chesterfield, S41 9RQ
www.powersavingsolutions.co.uk · 03030310409
andyrichardson@powersavingsolutions.co.uk
 The UK's leading suppliers of 'hybrid' technology to the construction and industrial market. We have a range of systems to suit your business or home.

PPSP Supplies Ltd

Stand: E28

7 riglen close, lidlington, mk430us
www.pigeonproofingsolarpanels.co.uk · 02030510125
info@pigeonproofingsolarpanels.co.uk
 PPSP Supplies Ltd is proud to be introducing a fantastic new product SolaTrim to the UK market to protect solar panels, SolaTrim is strong and easy to install. A product that actually enhances the appearance of solar panels, ensuring that they are aesthetically pleasing whilst providing a reliable and secure product that protects against: unhygienic pigeons, wire-chewing squirrels, fire-hazardous leaves and potential roof rot.

Prime Hybrid Energy

Stand: A12

www.primehybridenergy.com · 07976283831
jason@primehybridenergy.com
 At Prime Hybrid Energy, we specialise in hardware manufacture and software design to create energy efficiency in an evolving market. We lead with control algorithms and flexible hardware coupled with a proactive approach to grid system management. We take pride in our ability to react quickly to changes in demand which occur.



Stand: P71

XinTang Industrial Zone, PingJiang District, Suzhou, China
www.projoy-electric.com · +86 512 6878 6489
Sales@projoy-electric.com
 Projoy Electric is a professional electrical manufacturer committed to provide high-voltage DC switch to energy conversion equipment and energy intelligent management system, intelligent components and intelligent sensors. Headquarter is located in China, Projoy Electric has three R&D bases (Suzhou, Wenzhou and Xiamen), also set up subsidiaries or authorized distributors in Italy, Britain, Australia, India, Korea, Chinese Taiwan, and other countries and regions, to meet the needs of international marketing.

PVStream

Stand: F32

8-9 Antonijas street, Riga, Latvia
www.pvstream.com · 37129462733
julia.kadish@pvstream.com
 PVStream provides software platform that helps to increase efficiency of PV project development by optimization and automation of project development processes among different stages, including: instant lead analysis, commercial proposal generation and project design generation.



Stand: P36

6 Spring House, Graphite Square, Vauxhall Walk, London, SE11 5EE
www.recc.org.uk · 0207 981 0850 · info@recc.org.uk
 The Renewable Energy Consumer Code (RECC) is a Chartered Trading Standards Approved Consumer Code. Our aim is to guarantee a high quality experience for consumers wishing to buy or lease renewable energy systems for their homes. Our members are businesses that sell and install renewable energy and have agreed to abide by the high standards set out in our Code, which sets out how businesses should market and sell their services. RECC dovetails with MCS. We are a subsidiary of Renewable Energy Association.

Renewable Energy Association

Stand: P3

Renewable Energy Association, 80 Strand, London, WC2R 0DT
www.r-e-a.net · 020 7925 3570 · info@r-e-a.net
 The REA was established in 2001 as a not-for-profit trade association representing British renewable energy producers and promoting the use of renewable energy in the UK. The REA helps its members build commercially and environmentally sustainable businesses whilst promoting clean tech and increasing the contribution of renewable energy to the UK's electricity, heat, transport and green gas needs.

Shenzhen Growatt New Energy Technology Co., Ltd

Stand: E14

Growatt Industrial Park, No.28 Guangming Road, Longteng Community, Shiyao, Baoan District, Shenzhen, P.R. China
www.ginverter.com · 86 755-27471900
uk.sales@ginverter.com
 Shenzhen Growatt New Energy Technology Co., Ltd is a professional, fast growing organisation. The company is well known and respected globally as a world leading manufacturer of cost-effective, high efficiency photovoltaic inverters and storage solutions. Growatt offers a comprehensive range of solar inverters, from 1kW to 2.52MW, together with energy storage solutions for on and off-grid applications and smart home energy management solutions. As of early 2017, the company had 1200 employees. Growatt's inverters have thus far been exported to more than 100 countries throughout the world.

ShenZhen Lux Power Technology Co., Ltd

Stand: E16

4th Floor, Building #63, Zhongwu New Industrial Park, Xixiang, Baoan District, Shenzhen, Guangdong Province, China
www.luxpowertek.com · 86 755 85209056
grace@luxpowertek.com
 Lux Power Technology is a company focusing on providing better experiences on solar energy, energy storage and energy management technology to global market. Lux Power was founded by new energy industry top engineers who developed various types of solar and energy storage inverters and energy management systems for over 15 years. With state-of-art technology and understandings to the coming era of energy storage +, Luxpowertek team is keen to provide always better products and solutions to enable the power of our users could be always on. The company is now able to offer the standard products which passed high standard certifications ranges from hybrid inverter, AC coupled energy storage inverters, off-grid solutions etc.



Stand: B27

Building No.4, Antongda Industrial park, No.1, Liuxian Avenue, Bao'an District, Shenzhen, China www.sofarsolar.com
 86 0510 66902301 · xulei@sofarsolar.com
 SofarSolar (est 2013) is one of the subsidiaries of Sofar Group in China and specializes in R&D, production, sales and service of grid-tied inverters ranging from 1kW to 7.5kW (residential), 10kW to 70kW (commercial) and storage inverters, along with other related renewable products. SofarSolar, with 400 employees, has a very strong and experienced R&D team who have improved inverter technology, both software and hardware. SofarSolar inverters have been installed in 40+ countries (e.g. Australia, UK, Germany, Italy, Belgium, Spain, Netherlands, France, China etc.) with currently own subsidiaries respectively in Australia, India, Italy, Wuxi, Shijiazhuang, Shenzhen and Henan.



Stand: B12

Suite 401, 525 University Ave, Palo Alto, 94131, United States
www.sinexcel.us · +1-443-742-9198 · henry@sinexcel.us
 Sinexcel Inc., located in CA, US, is providing the semi-integrated energy storage system without EMS & Battery for residential community, commercial and industrial applications. The 30kW storage-only inverter and 50/100kW solar plus storage hybrid inverter had been ETL/INTERTEK certified according to AS4777 and been CEC listed, has both grid-forming and grid-following features, could be used for peak-shifting, self-consumption and backup power.



Stand: G40

Calle Lepanto 43, 08223 Terrassa, Barcelona, Spain
www.smilics.com · 34 673 700001
carles.pujol@smilics.com
 Smilics is a company based in Terrassa (Barcelona), founded in the 1991, and dedicated to the design, manufacturing and commercialization of sensors and wireless energy monitoring devices for Solar Applications, Smart Homes, energy efficiency, submetering, electric power utilities and Telecom operators. Smilics is the company that created the popular Wibee concept, a device which fits nicely in standard MCBs and offers cloud based analysis, monitoring and control from any cell phone, tablet or PC of the electrical parameters from any kind of installation. Smilics also produces string measurement devices, Rogowski coils and split core current transformers. All devices are produced and assembled in Barcelona.

Smith Brothers (Contracting) Ltd

Stand: G50

Unit G8, Navigation Close, Lowfields Buisness Park, Elland, West Yorkshire, HX5 9HB
www.smithbrothersltd.co.uk · 07584 705 180
danielle.tile@smithbrothersltd.co.uk
 We are a large, turnkey electrical engineering contractor, based in Elland, West Yorkshire. Specialising particularly in high power projects from LV up to 132,000 volts we have a nationwide client base. Lloyds NERS registered Independent Connection Provider up to 132kV.



Stand: F22

1 rue de Westhouse, Benfeld, 67235, France
www.socomec.com · +33 3 88 57 74 66
vincent.genoulaz@socomec.com
 Founded in 1922, Socomec is an industrial group with a workforce of 3,100 people. Our core business – the availability, control and safety of low voltage electrical networks with particular focus on our customers' power performance. As a manufacturer with complete control over our technological processes, Socomec stands apart from the more general suppliers. Our Group is constantly improving its fields of expertise in order to offer our clients increasingly customised, appropriate solutions. Socomec's four key applications are:
 · Power Conversion: ensuring the availability of high-quality bracket MCS certificated for the installation of solar panel rails. Saving you up to 80% on current solar roof bracket installation times. Designed by a roofer turned solar installer, Solar Limpets make the installation of solar roof brackets and rails trouble-free even in the most difficult fixing applications. power for critical applications.
 · Power Switching: managing power and protecting individuals and property.
 · Power Monitoring: improving building and facility energy efficiency.
 · Expert Services: enabling available, safe and efficient energy.

EXHIBITORS



Stand: H22

Unit H2 New Yatt Business Park, New Yatt, Witney, Oxford, OX29 6TJ
www.solarlimpets.co.uk · 01993 869278
sales@solarlimpets.co.uk
 Solar Limpets are a revolutionary new solar roof bracket MCS certificated for the installation of solar panel rails. Saving you up to 80% on current solar roof bracket installation times. Designed by a roofer turned solar installer, Solar Limpets make the installation of solar roof brackets and rails trouble-free even in the most difficult fixing applications.



Stand: D30

Unit 10, Hemdale Business Park, Nuneaton, CV11 6GL
www.solaxuk.co.uk · 02476 586998
craigw@solaxuk.co.uk
 The SolaX vision is to be a world leader in the development, production and distribution of solar inverters. The product range incorporates the very latest in solar innovation thanks to the continued focus on R&D and unceasing commitment to pushing back the boundaries of what is possible – a journey that has led to the launch of the ground-breaking X-Hybrid battery storage system.



Stand: P37

Michael Faraday House, Six Hills Way, Stevenage, SG1 2AY
www.theiet.org · 07823775904 · resch@theiet.org
 Exclusively discounted copies, the new Code of Practice for Electric Vehicle and related titles, plus get your copy on the recently published IET Wiring Regulations 18th Edition. IET Standards produces expert Codes of Practice and Guides for the renewable energy industry, focusing on problem-solving guidance for the practical application of new and emerging technologies.



Stand: H2

SOLAR MEDIA
 EVENTS | PUBLISHING | RESEARCH

3rd Floor, America House, 2 America Square, London, EC3N 2LU
www.solarmedia.co.uk · 02078710122
sbradshaw@solarmedia.co.uk
 Solar Media is an international vibrant media business with its headquarters in London and further offices in the US, China and Greece. With a portfolio that ranges from publishing, e-commerce, news provision to event delivery, Solar Media takes proud ownership of some of the most authoritative products within the Photovoltaics' industry worldwide.



Stand: F40

3 Princes Orchard, Peterchurch, Herefordshire, HR2 0RW
www.solarpanelcleaningltd.co.uk · 01981 551263
office@solarpanelcleaningltd.co.uk
 Clients of Solar Panel Cleaning Services Ltd benefit from our knowledgeable team of experts. You receive professional cleaning services for both roof-top and ground mounted solar installations. The wrap-around client support we guarantee, ensures you get the most cost-effective and long-term solution. Our quality cleaning techniques and technology exceed the expectations of manufacturers, industry experts and all clients. You can rely on: In-house cleaning operatives, You can avoid the risk of subcontracted work, Extensive health & safety training, Working safely & competently at height, 100% safe & conscientious service to our clients throughout the UK & Ireland



Stand: F43

Beldray Park, Mount Pleasant, Bilston, West Midlands, WV14 7NH
www.stf-fasteners.co.uk · +44 (0) 1902 499 201
nwashbrook@stf-fasteners.co.uk
 Manufacturer & UK Wholesaler of PV mounting systems; REDtiP, Easy Roof & Avasco
 Next day delivery available within UK mainland



Stand: P71

Lockside, 5 Scotland Street, Birmingham, B1 2RR
www.sustainabilitywestmidlands.org.uk
 0121 237 5890 · anna.bright@swm.org.uk
 Sustainability West Midlands is the sustainability champion for the West Midlands as designated by government. We are a not-for-profit company that works with our members in the business, public and voluntary sectors. Our role is to act as a catalyst for change through our advice to leaders, to develop practical solutions with our members and share success through our communications.
 Our board is private sector led with cross-sector representation; and is supported by our team of staff and associates. Our customers like our independence, our role as a hub of cross-sector good practice networks, and our drive to deliver a clear vision to create a better West Midlands.



Stand: H26

Am Alten Bahnhof 10, DE-06886 Lutherstadt Wittenberg
www.tesvolt.com · +49 3491 8797 100 · info@tesvolt.com
 Tesvolt specializes in commercial battery storage systems. The innovative company from Lutherstadt Wittenberg produces storage systems with state-of-the-art prismatic lithium battery cells from Samsung SDI, based on nickel manganese cobalt oxide. Tesvolt storage systems function just as well at low voltage as at high voltage and can be connected to all energy producers: sun, wind, water, biogas and combined heat and power – on-grid and off-grid. All storage systems are produced at Tesvolt's manufacturing facility in Germany. Tesvolt was awarded "The smarter E Award" in 2018 in the "Outstanding projects" category for the off-grid energy supply of an Avocado farm in South-West Australia.

UKSOL

Stand: P41

1 Chalfont Park, Gerrards Cross, Buckinghamshire, SL9 0BG, United Kingdom
www.uksol.uk · +44 (0) 1753 910327 · andrew@uksol.uk
 UKSOL Ltd is a fast-growing British producer of high quality, affordable, solar PV panels based in Gerrards Cross, near London. UKSOL has factories in Poland and China. UKSOL solar PV panels come with a 30-year British warranty. UKSOL is focused on selling its solar panels to distributors and installers in emerging solar markets in Asia, Africa, the Middle East and South America. UKSOL has a growing list of exclusive distributors and installers in over 25 countries outside Europe, making UKSOL a British leader in global markets. The company also has a renewed focus on finding new installers in Britain and Europe. Join our growing list of exclusive partners today.



Stand: A32

Zwartendijk 73, 2681 LP Monster, The Netherlands
www.valksystemen.nl · +31 174 254916
marketing@valksystemen.nl
 Van der Valk Solar Systems is an established developer and producer of solar mounting systems. It has main offices in Monster (The Netherlands) and Sandwich, Kent (the UK). Its dedicated team has answers to every technical question, design or project. As it holds large stocks, the systems for flat roofs, pitched roofs and open fields can be dispatched in days within Europe. Van der Valk Solar Systems is specialised in commercial and residential projects. Its customers are mostly wholesalers and major installers (EPC).

Valentin Software

Stand: H27

Stralauer Platz 34, 10243 Berlin, Germany
www.valentin-software.com · +49 (0)30 588 439-0
info@valentin-software.com
 The solar design company Valentin Software can look back on 30 years of successful company history. With its brands PV*SOL®, T*SOL® and GeoT*SOL® for the dynamic simulation, design, yield calculation and financial prognosis of photovoltaic, solar thermal and heatpump systems, Valentin Software has become the worldwide leading provider in innovative planning software for sustainable energy supply.

Wattstor

Stand: C30

Penstraze Business Centre, Truro, Cornwall, TR4 8PN
www.wattstor.com · 01326567399 · info@wattstor.com
 Established in 2013, and now in a strategic partnership with a renowned European private equity company Janom, Wattstor is a pioneer of modern energy storage methods and continues to break new grounds in technology and service optimisation.



Stand: D10

Grove Mills, Eland, West Yorkshire, HX5 9DZ
www.waxmanenergy.co.uk · 01422 374114
info@waxmanenergy.co.uk
 As one of the UK's largest distributors of Solar PV Modules, Battery Storage, and Electric Vehicles Chargers, Waxman Energy prides itself on sourcing only the highest quality products from some of the world's leading brands. Working with our MCS approved partner installers across both commercial and domestic installations, Waxman Energy combines extensive technical knowledge and unparalleled customer service to provide you with everything you need for your next solar or EV installation.



Stand: P73

STA, Greencoat House, Francis Street, SW1P 1DH
www.solar-trade.org.uk · 0203 637 2945
jdobson-smith@solar-trade.org.uk
 Since 1978, the Solar Trade Association (STA) has worked to promote the benefits of solar energy and to make its adoption easy and profitable for domestic and commercial users. A not-for-profit association, we are funded entirely by our membership, which includes installers, manufacturers, distributors, large scale developers, investors and law firms.

SolarEdge

Stand: C15

1 Hamada Street, PO Box 12001, Herzelia, 4673335, Israel
www.solaredge.com · +972 535208007
naama.i@solaredge.com
 SolarEdge is a global leader in smart energy technology. By leveraging world-class engineering capabilities and with a relentless focus on innovation, SolarEdge creates smart energy solutions that power our lives and drive future progress. SolarEdge developed an intelligent inverter solution that changed the way power is harvested and managed in photovoltaic (PV) systems. The SolarEdge DC optimized inverter maximizes power generation while lowering the cost of energy produced by the PV system. Continuing to advance smart energy, SolarEdge addresses a broad range of energy market segments through its PV, storage, EV charging, UPS, and grid services solutions.

Westech Solar (UK) Ltd

Stand: E10

Unit 1, Bobby Fryer Close, Garsington Road, Oxford, OX4 6ZN
www.westech-solar.co.uk · 07985 637510
jenny.chen@westech-solar.co.uk

Westech Solar are official UK & EU representative of Perlight Solar, leading PV cell & module manufacturer. Products include high-efficiency PERC cell modules, the unique Delta "triple-black" module series and innovative Smart-Ready & Smart PV modules. Partnering with US company Tigo Energy, each module is integrated with Tigo's Smart-Ready junction box. Providing flexible Smart upgrade options to suit every project's needs. Perlight's comprehensive range of products are suitable for all types of application from Residential to Utility scale projects. Continual development of new innovative and tailor-made PV products is at the heart of Perlight's ethos. This commitment to innovation and R&D is epitomised by the premium Delta "triple-black" module series, offering outstanding aesthetics, proven performance and excellent value.



Lion Yard, Upper Hill, Leomister, Herefordshire, HR6 0JZ
www.windandsun.co.uk · 01568 720364
rowan@windandsun.co.uk

We offer a complete distribution wholesale service for solar PV installers throughout the UK, Ireland and across the globe, from product selection and installation support through to system trouble shooting. We have been operating since 1984 and during that time have built up an extensive client base and excellent reputation based on considerable hands on experience and continuing product knowledge.

Stand: B22



Stand: F39

Victoria House, 19-21 Ack Lane East, Bramhall, Greater Manchester, SK7 2BE
www.wpo.eu · 33 175 77 06 80
serge.giacomo@wpo.eu

At WPO, we are playing our part in the urgently needed global energy transition by making Renewables work. With over 3GW in our portfolio, we take care of world-renowned investors' assets by providing safe, reliable and fit-for-purpose asset management & specialist services.

PRODUCTS & SERVICES INDEX

CONSULTANCY

ADAS	P44
Clean Solar Solutions	G42
EA Technology	G5
Erova Energy	A10
Ethical Power Group	F38
HVSS	P67
Narada Europe	F12
Pollock Associates	P2
PVStream	F32
Sustainability West Midlands	P69
WPO	F39

DEVELOPER

Berlin Brandenburg Energy Network	H27
Cegasa Portable Energy	C30
Ethical Power Group	F38
MeadoTech	E45
myenergi	G20
Omexom	P70
Pollock Associates	P2

DISTRIBUTOR/WHOLESALE

Cegasa Portable Energy	C30
Genius Roof Solutions	A25
Marlec - Solar iBoost	H30
MeadoTech	E45
Midsummer Energy	D20
Pestfix	E42
Power Saving Solutions	D35
PPSP Supplies	E28
STF Solar PV Mounting Systems	F43
UKSOL	P41
Waxman Energy	D10
Wind & Sun	B22

EDUCATION & TRAINING

Clean Solar Solutions	G42
Sustainability West Midlands	P69
The Solar Design Company	H27

ELECTRIC VEHICLES (EV)

Bosch GmbH	H28
EA Technology	G5
EAST GROUP	D15
EDF Energy	G44
Midsummer Energy	D20
myenergi	G20
RECC	P36
Solaredge	C15
The Institution of Engineering and Technology	P37
The Solar Design Company	H27

ENERGY MANAGEMENT

E2M Energy Trading	P45
Erova Energy	A10
Ethical Power Group	F38
myenergi	G20
PassivSystems	E26
Shenzhen Growatt New Energy Technology	E14
Shenzhen SOFARSOLAR	B27
Smilics Technologies	G40
Smith Brothers (Contracting)	G50
SolaX Power Europe	D30
Sterling & Wilson	F41
TESVOLT	H26

ENERGY MANAGEMENT - APPS

Distech Controls SAS	P5
EDF Energy	G44

ENERGY MANAGEMENT - ENERGY STORAGE

BAE Batterien	H27
Bosch	H28
EDF Energy	G44
Erova Energy	A10
Giv-Energy	B20
GoodWe Power Supply Technology	D8
KACO new energy	F20
Marlec - Solar iBoost	H30
MeadoTech	E45
Moixa	F42
Narada Europe	F12
NEC Energy Solutions	G45
Power Saving Solutions	D35
RECC	P36
Shenzhen Growatt New Energy Technology	E14
ShenZhen Lux Power Technology	E16
Shenzhen SOFARSOLAR	B27
SINEXCEL INC.	B12
Socomec	F22
Solaredge	C15
Sterling & Wilson	F41
TESVOLT	H26
The Institution of Engineering and Technology	P37
The Solar Design Company	H27

ENERGY MANAGEMENT - MONITORING

Distech Controls SAS	P5
EDF Energy	G44
Giv-Energy	B20
GoodWe Power Supply Technology	D8
Hoymiles Power Electronics Technology	B10
Hoymiles Power Electronics Technology	B10
PassivSystems	E26
Shenzhen Growatt New Energy Technology	E14
ShenZhen Lux Power Technology	E16
Shenzhen SOFARSOLAR	B27
Smilics Technologies	G40
Solaredge	C15

ENERGY MANAGEMENT - SOFTWARE

Distech Controls SAS	P5
Giv-Energy	B20
Moixa	F42
myenergi Ltd	G20
PVStream	F32
Smilics Technologies	G40
Solaredge	C15
The Solar Design Company	H27

EPC

PVStream	F32
Smith Brothers (Contracting)	G50
Sterling & Wilson	F41

INDEPENDENT CONNECTIONS PROVIDER

Freedom Group of Companies	G12
----------------------------	-----

LEGAL

Foot Anstey	
-------------	--

MANUFACTURER - ENERGY STORAGE

AEG Power Solutions	A8
Afore New Energy Technology (Shanghai)	F10
BAE Batterien	H27
Beta Transformer	P32
Bosch	H28

Cegasa Portable Energy	C30
EAST GROUP	D15
Giv-Energy	B20
Guangzhou Sanjing Electric	B30
Marlec - Solar iBoost	H30
Moixa	F42
Narada Europe	F12
NGK EUROPE	E30
Power Saving Solutions	D35
Shenzhen Growatt New Energy Technology	E14
ShenZhen Lux Power Technology	E16
Shenzhen SOFARSOLAR	B27
SINEXCEL	B12
Socomec	F22
SolaX Power Europe	D30
TESVOLT	H26
The Institution of Engineering and Technology	P37

MANUFACTURER - INVERTER

Afore New Energy Technology (Shanghai)	F10
EAST GROUP	D15
Giv-Energy	B20
GoodWe Power Supply Technology	D8
Guangzhou Sanjing Electric	B30
Hoymiles Power Electronics Technology	B10
Hoymiles Power Electronics Technology	B10
KACO new energy	F20
Omnik New Energy	F26
Shenzhen Growatt New Energy Technology	E14
ShenZhen Lux Power Technology	E16
Shenzhen SOFARSOLAR	B27
SINEXCEL	B12
Solaredge	C15
SolaX Power Europe	D30

MANUFACTURER - MODULE

EAST GROUP	D15
GSE INTEGRATION	C10
JA Solar	C20
JinkoSolar	F34
PEIMAR Group	E40
UKSOL	P41
Westech Solar (UK)	E10

MANUFACTURER - RACKING & MOUNTING SYSTEMS

Genius Roof Solutions	A25
IRFTS - EASY ROOF	P7
Solar Limpets	H22
STF Solar PV Mounting Systems	F43
Van der Valk Solar Systems	A32

MANUFACTURER - SWITCHES

IMO Precision Controls	A20
Socomec	F22

O&M

Clean Solar Solutions	G42
Freedom Group of Companies	G12
MLR Solar-Tech Solutions	F30
Smith Brothers (Contracting)	G50
Solar Panel Cleaning Services	F40
SolaX Power Europe	D30
WPO	F39

O&M - MAINTENANCE & SUPPORT

Clean Solar Solutions	G42
Ethical Power Group	F38
MLR Solar-Tech Solutions	F30

PassivSystems	E26
Pollock Associates	P2
Solar Panel Cleaning Services	F40

O&M - TECHNICAL ADVISOR

Clean Solar Solutions	G42
Solar Panel Cleaning Services	F40
WPO	F39

OFFGRID

EAST GROUP	D15
Marlec - Solar iBoost	H30
MeadoTech	E45
Midsummer Energy	D20
Power Saving Solutions	D35
SolaX Power Europe	D30
Sterling & Wilson	F41

OFFGRID - MICRO GRID

AEG Power Solutions	A8
Bosch	H28
KACO new energy	F20
MeadoTech	E45
Narada Europe	F12
ShenZhen Lux Power Technology	E16
SINEXCEL	B12
Socomec	F22
Sterling & Wilson	F41

PROPERTY

Pollock Associates	P2
--------------------	----

PR/MEDIA

Solar Media	H2
-------------	----

SMART GRID

Distech Controls SAS	P5
EA Technology	G5
HVSS	P67
Moixa	F42
myenergi	G20
Smilics Technologies	G40
Smith Brothers (Contracting)	G50
Socomec	F22
The Institution of Engineering and Technology	P37

TELECOMMS ICT

Narada Europe	F12
Smilics Technologies	G40

TESTING & CERTIFICATION

RECC	P36
------	-----

TRADE ASSOCIATION

RECC	P36
Solar Trade Association	P72

UTILITIES/GRID/DNO

Beta Transformer	P32
Bosch	H28
E2M Energy Trading	P45
EA Technology	G5
EDF Energy	G44
Erova Energy	A10
Freedom Group of Companies	G12
HVSS	P67
Smith Brothers (Contracting)	G50

SPEAKERS



George Clarke,
architect



James Richardson,
chief economist,
[National Infrastructure Commission](#)



The Rt. Hon John Gummer,
Lord Deben, chairman,
[Committee on Climate Change](#)



Adele Ara,
director of asset management ,
[Lightsource BP](#)



Adrian Cecconi,
commercial director,
[Oakapple Energy](#)



Aimee Betts-Charalambous,
smart meter technology policy lead,
[BEIS](#)



Alastair Mumford,
corporate energy manager,
[Devon County Council](#)



Alejandro Ciruelos,
energy and infrastructure –
managing director,
[Santander Global Corporate Banking](#)



Alex O'Conneide,
CEO,
[Gore Street Capital](#)



Andrew Briggs,
strategic energy manager investment,
planning & regeneration,
[Stoke-on-Trent Council](#)



Anna Bright,
chief executive,
[Sustainability West Midlands](#)



Barrie Davies,
country manager UK,
[JinkoSolar](#)



Caroline Bragg,
senior policy manager,
[ADE](#)



Chris Curry,
founder & CEO,
[Omino Energy](#)



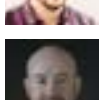
Chris Evans,
deputy managing director,
[Rolton Group](#)



Chris Hewett,
CEO,
[Solar Trade Association](#)



Chris Jardine,
technical director,
[Joju Solar](#)



Chris Regen,
head of business development,
[EDF Energy](#)



Chris Roberts,
director,
[MCS](#)



Daniel Brown,
policy manager,
[Renewable Energy Association](#)



Daniel Grosvenor,
partner,
[Deloitte](#)



Dave Worthington,
managing director,
[Vero](#)



David Adams,
technical director,
[Melius Homes](#)



Declan O'Halloran,
managing director,
[Qantas Energy](#)



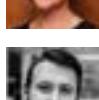
Doerte Schneemann,
head of markets for flexibility,
[BEIS](#)



Dr Ashley Hayden,
planning officer,
[Milton Keynes](#)



Dr Nina Skorupska CBE FEI,
CEO,
[REA](#)



Dr Randall Bowen,
sales & commercial director,
[Good Energy](#)



Ed Gill,
UK & European head of press and
public affairs,
[ENA](#)



Ed Simpson,
partner,
[Downing LLP](#)



Eliot Whittington,
director,
[The Prince of Wales's Corporate
Leaders Group](#)



Emily Braham,
head of sustainable energy,
[Nottingham City Council](#)



Enrico Carniato,
group deputy general manager, Global
Investment and Business Development,
[Upsolar Global](#)



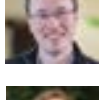
Eoin Hartigan,
head of origination, Energy &
Cleantech, [Bank of Ireland](#)



Eoin Cassidy,
partner,
[Mason Hayes & Curran](#)



Erik Fairbairn,
CEO,
[Pod Point](#)



Felicity Jones,
partner,
[Everoze](#)



Frank Niendorf,
general manager Europe,
[JinkoSolar](#)



Gareth Williams,
managing director,
[Caplor Energy](#)



Gauthier Dupont,
director,
[NGK](#)



George Frost,
country manager,
[iChooser](#)



George Simms,
principle policy & programme officer,
[Greater London Authority](#)



Harry Vickers,
vice president,
[Green Investment Group \(GIG\)](#)



Hayden Wood,
CEO,
[Bulb](#)



Kate Ashworth,
director of consultancy services,
[Egnida Consulting](#)



Keenan Grattrick,
managing director,
[FlexiSolar](#)



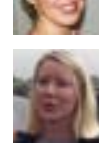
Knud Erik Andersen,
CEO,
[European Energy](#)



Lauren Cook,
analyst,
[Solar Media](#)



Leonie Greene,
Director of Advocacy,
[STA](#)



Lily Coles,
commercial operations director,
[Anesco](#)



Marco Landi,
innovation lead – V2G & EV charging,
[Innovate UK](#)



Mark Holland,
head of energy strategy,
[BSR Group](#)



Mark Meyrick,
head of smart grids,
[Ecotricity](#)



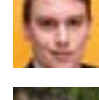
Matt Lipson,
head of consumer insight,
[Energy Systems Catapult](#)



Matthew Boulton,
COO,
[Pivot Power](#)



Matthew Tilbrook,
director of project finance,
[Metka EGN](#)



Merlin Hyman,
chief executive,
[Regen SW](#)



Michel Hendriks,
CEO,
[Amsterdam Clean Energy Fund](#)



Myles McCarthy,
managing director,
[The Carbon Trust](#)



Nick Williams,
head of origination,
[Erova Energy](#)

SPEAKERS



Olivier Fricot,
European head of power &
renewables lending,
[Investec](#)



Pete James,
senior representative,
[IET](#)



Philip Lawton,
power systems specialist,
[Energy Systems Catapult](#)



Philipa Eddie,
commercial finance specialist,
[Infrastructure Projects Authority](#)



Quentin Scrimshire,
commercial leader – energy storage,
[KiWi Power](#)



Rachel Hayes,
head of networks and development,
[Regen](#)



Rajni Nair,
senior policy researcher,
[Citizens Advice](#)



Richard Braakenburg,
Senior vice president,
[Green Investment Group \(GIG\)](#)



Richard Wilson,
outage planning manager
(London & South East),
[network operations and control](#),
[UK Power Networks](#)



Robert Hull,
independent consultant,
[Riverswan Ltd](#)



Roberto Castiglioni,
senior investment director,
[Ingenious Investment Group](#)



Rubina Singh,
senior consultant,
[Gemserv](#)



Scott Burrows,
director,
[Eden Group](#)



Sotiris Georgiopoulos,
head of smart grid development,
[UKPN](#)



Stephan Marty,
general manager energy
storage & international DSR,
[Kiwi Power](#)



Steve Cains,
CEO,
[Public Power Solutions](#)



Stew Horne,
head of energy regulation,
[Citizens Advice](#)



Stirling Habbitts,
sector lead project finance,
[Triodos Bank](#)



Stuart Cleak,
partner,
[Foot Anstey](#)



Stuart Elms,
CEO,
[Viridian Solar](#)



Tim Day,
sales and marketing director,
[Solarplcity](#)



Toddington Harper,
CEO,
[Gridserve](#)



Tom Pakenham,
director of electric vehicles,
[OVO Energy](#)



Ulrika Wising,
head of battery storage
and energy efficiency,
[Macquarie](#)



Vicky Dawe,
deputy director –
renewable electricity support,
[BEIS](#)



Virginia Graham,
CEO,
[Renewable Energy Consumer Code](#)

WHEN YOU THINK OF ENERGY STORAGE THEN THINK TESVOLT.

Lithium-Ion battery storage systems | Award-winning know-how | 'Made In Germany' technology



The smarter E Award
EES Award

Off-Grid Avocado Farm project in Australia using
TS 48 V, with our partner Unlimited Energy Australia
TS HV storage system



www.tesvolt.com

TESVOLT
THE ENERGY STORAGE EXPERTS



VISIT US @
H.26

**SOLAR &
STORAGE
LIVE**

BOOK EARLY TO SECURE THE CHEAPEST RATES



Energy Storage

SUMMIT

26-27 February 2019

Victoria Park Plaza, London UK

The largest UK downstream focused event addressing energy storage returns to London in February.

Storage.solarenergyevents.com

#StorageSummit



e-Moskito
Ibrido

our state of the art hybrid
solar-wind generator



e-Moskito
Uno

our new silenced highly
stable vertical wind
turbines



e-Moskito
Hydro

Our new 'open water stream'
flexible floatable hydropower
generators

Grid Tie Inverters, Off Grid Battery Chargers, Energy Storage systems

We are introducing our new range of wind and hydropower micro generation systems e-Moskito™
This range has been developed to be integrated into any on grid, off grid, and energy storage applications.

Meadotech Ltd **01709553680**

www.meadotech.co.uk, insales@meadotech.co.uk

Visit Our Booth Number E45

TERRAPINN ACQUIRES SOLAR & STORAGE LIVE FROM SOLAR MEDIA

Global events company Terrapinn has acquired Solar & Storage Live from Solar Media Limited.

The annual awards ceremony organised in conjunction with the trade exhibition will also be moving over from Solar Media to Terrapinn as part of the agreement.

Solar & Storage Live, the UK's leading solar and storage exhibition and conference will, will continue to be supported by Solar Media.

Terrapinn chief executive Greg Hitchen, said: "Solar and Storage Live is a great opportunity to extend our market commitment to the Solar and Renewables space. It fits really well with our Solar Show events which run in South Africa, The Philippines, Vietnam, Egypt and Sri Lanka. And having a show in the UK is really exciting for us."

Solar Media meanwhile has today reconfirmed its commitment to supporting the UK solar market.

"This move will further enable us to focus on business intelligence, strengthen our global conference portfolio and continue to provide market-leading news content across multiple titles. Our commitment to the UK solar market remains, and we're excited to support Terrapinn in the growth of Solar and Storage Live," Dom Barklem, managing director at Solar Media, said.

For further information please contact Greg Hitchen at: greg.hitchen@terrapinn.com.

SOCOMEK EYING UP 'KEY PLAYERS' AS IT BIDS FOR ON- AND OFF-GRID POSITION

Socomec is looking to share its expertise in energy storage solutions and solar PV architecture with the visitors to Solar & Storage Live as it positions itself to deliver both on and off grid solutions across the UK.

The company, coming up on 100 years since being founded, manufactures solutions for low voltage networks and will be showcasing its power conversion, combined battery systems and switching solutions for solar installations.

It is seeking to develop new contacts with 'key players' in the UK energy storage market aiming at two main markets; on grid applications to boost self-consumption, engage in peak shaving and price arbitrage for commercial and industrial buildings, and hybrid microgrid projects.

This year its solutions were showcased at on a joint project with logistics firm UPS which avoided expensive electrical grid infrastructure upgrades at its London base by managing EV charging with energy storage and a smart energy management system.

This allowed UPS to increase the number of 7.5-tonne electric trucks operating from its London site from 65 to 170, without the need for the usual expensive upgrade to the power supply connection.

Socomec can be visited at stand **F22** this week.

Want better visibility on battery storage projects in the UK?

SOLAR & STORAGE
RESEARCH

UK Battery Storage: Opportunities & Market-Entry Strategies for 2018-2022 report provides a comprehensive overview of battery storage in the UK and the **UK Battery Storage Project Database Report** provides details of the projects in the pipeline.

Reports now available

- UK Large-Scale Solar Farms: The Post-Subsidy Prospect List
 - UK Ground-Mount Solar Completed Assets report
- UK Battery Storage: Opportunities & Market-Entry Strategies for 2018-2022
 - UK Battery Storage Project Database report

More information:
marketresearch.solarmedia.co.uk

Contact us for a free demo:
marketresearch@solarmedia.co.uk
+44 (0) 207 871 0122

SOLAR & STORAGE

LIVE

17-19 September 2019
The NEC, Birmingham, UK



SAVE THE DATES

www.solarandstoragelive.com