

Solar & Storage TODAY

PREVIEW
EDITION

3-5 October 2017
THE NEC, BIRMINGHAM, UK
uk.solarenergyevents.com

Solar & Storage Live comes to Birmingham

UK solar rebounds
as gigawatts
of subsidy-
free planning
applications fly in



Credit: WELink



The UK stands to remain as one of Europe's leading PV markets despite the retraction of subsidies as its pipeline of solar sites currently in planning has swollen to more than 3GW.

And while some of that figure includes sites to have missed out on various FiT and ROC deadlines, nearly half (1.3GW) has entered planning in 2016 and 2017, indicating confidence from developers in building these sites out without subsidy support.

Writing for Solar Power Portal Finlay Colville, head of market research at Solar Media, revealed that the bulk of the applications are in the 25-50MW capacity range, with most sites being lined up for the 2019/20 build cycle.

(continued on page six...)

Solar & Storage Live – which promises to be the UK's largest solar and storage exhibition – comes to Birmingham's NEC in early October.

Borne out of the successful Solar Energy UK, Solar Media's flagship exhibition returns once again to Birmingham between 3 and 5 October 2017. However with storage now coming to the fore, it felt only right to give the technology equal billing.

Solar Media's Birmingham show now extends to eight years, having grown and

evolved alongside the UK's domestic solar industry. That evolution has continued with new content, new exhibitors and added extras, with a few old favourites returning once again.

More than 1,400 visitors have already pre-registered for the exhibition; with total visitors expect to surpass 3,000 over the three days. They will be joined by more than 60 exhibitors who will pack the show floor, and a vast array of delegates for a brand new, three-day conference aligned with the trade

show to tackle key and pressing themes.

Current exhibitors include industry stalwarts such as JA Solar, Sungrow, SolarEdge and Samsung SDI.

The Solar Power Portal Awards returns once again on the evening of Wednesday 4 October 2017. More than 600 industry professionals are expected to attend the glittering ceremony – now in its fifth year – with 13 gongs up for grabs. The black tie gala dinner will be hosted by television personality

Robert Llewellyn, who said he could not wait to recognise solar's growing role in the energy mix.

"I'm very pleased to be back doing it again, it's a great gig. It is so encouraging to see the level of interest in solar from the public," Llewellyn said.

More on Solar & Storage Live 2017, the conference agenda and the Solar Power Portal Awards 2017 can be found throughout this, the preview edition of **Solar & Storage Today**.

SOLAR & STORAGE
LIVE Empowering the energy transition
CONFERENCE & EXHIBITION

**YOUR NEW AND EXISTING
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IS COMING SOON**

Solar & Storage Live returns



Solar Media is returning to Birmingham's NEC for the eighth year running, this time introducing Solar & Storage Live as its flagship event.

Previously known as Solar Energy UK, the rebranding is designed to reflect a new focus for this year and the years ahead. Solar, now an established technology, will share the stage with battery storage after what has been a transformational 18 months for the nascent technology.

"We're really seeing very strong development in this area which is why we have refocused our biggest event of the year. We see solar and storage becoming a key element in the market along with other ancillary technologies and that's

really exciting for the future," said David Owen, chief executive at Solar Media.

Storage technologies became a more prominent feature at 2016's show, which was the largest gathering of battery storage exhibitors in the UK. More than 40 storage-related companies demonstrated their products and courted the industry's interest last October as storage looked to break into the power sector in a big way.

One year on, and storage has made significant strides. The pipeline for utility-scale storage facilities has swelled beyond 3GW, numerous compelling business models for C&I applications have emerged and the residential market has been inundated with new entrants.

Even household names like E.On, EDF and IKEA have all entered the residential market in the last, indicating significant confidence in the technology.

This is not to say however that solar PV is to be neglected at this year's exhibition. Having endured a difficult 2016 in the immediate aftermath of subsidy cuts, the industry has begun to show the kind of resilience it was previously famed for and identified new routes to market.

The first subsidy-free, utility-scale developments are beginning to come to fruition, with the first sites expected to complete before the end of the year. Solar Media's in-house market research division has also identified more than 1.3GW of planning applications

submitted since the start of 2016, all of which are intended to be energised in the coming years.

Meanwhile, the industry is awaiting several key pieces of legislation that could embrace more renewables in the system. The government's eagerly awaited Clean Growth Plan will detail how the country is to meet its fifth carbon budget obligations, and BEIS and Ofgem in August established plans to instigate a more decentralised approach to energy. The government is too committed to reviewing the small-scale feed-in tariff before the end of the year, which could yet see the rates amended to use up the growing underspend within the scheme.

Wenger clinches electric new signing



Arsenal's Emirates Stadium is to be powered at least in part by solar after the club extended its association with Octopus Energy.

The deal follows a year-long trial with renewables at the north London stadium.

Speaking after the announcement, Arsenal CEO Ivan Gazidis said it was important for the club to take "all steps in this area".

Home batteries bolstered by tax break

Residential battery storage has won a partial victory after the government agreed to a tax break for battery systems, but only if they are supplied and installed alongside solar panels.

The Solar Trade Association announced in August that it has secured a 5% rate of VAT on battery storage instead of the standard 20% currently applied.

However, in order for HMRC to allow the lower rate to apply the battery has to be sold and installed alongside solar, which already benefits from the lower rate.

"This is a helpful and welcome decision by the Treasury following a major lobbying effort from the Solar Trade Association," said STA vice chair Seb Berry.

Public support for fracking hits record low

Public support for shale gas extraction hit a record low this summer, according to official figures.

Just 16% said of those surveyed by BEIS said they supported the extraction of shale gas, compared to figures upwards of 73% for solar PV.

The survey also uncovered growing ease within the British public over both energy security and energy bills, with fear of black outs falling to just 37%.

PLACE YOUR AD HERE!

We'll be running three editions of **Solar & Storage Today** throughout the exhibition, providing all 1,400+ attendees with a daily round up of news, views and opinion from the show floor.

We have a limited number of advertising opportunities available, so if you are interested in reaching an unrivalled audience of attendees please contact Will Swan via wswan@solarmedia.co.uk

Solar & Storage TODAY

Looking for sales leads for new solar & storage sites in the UK?

The UK Large-Scale Solar Farms: The Post-Subsidy Prospect List identifies the status of all sites making up the Gigawatt level of new utility-based solar farms

The UK Battery Storage Project Database report is a comprehensive listing of 200 plus utility scale battery storage projects in the UK



MARKET RESEARCH

Solar Media Market Research, provides the industry with accurate and timely data to ensure maximum focus on current and pending opportunities at the site-specific level.

CONTACT US AT:
marketresearch@solarmedia.co.uk

DATA POWERED BY:



Current exhibitors



“The event was very successful. I met a lot of interesting PV and storage professionals and gained the latest market insights and developments. I enjoyed it very much and had good fun too, which is also important. The exhibition, the conferences and the awards event were very well organised.”

Pol Spronck, international sales manager, Solarwatt

“This event is a great way to meet suppliers and see new developments in a fast moving industry where change is the future.”

George Browning, partner, GNF & GA Browning

“This was a great opportunity to network with a large number of companies and gather different perspectives on the development of technologies and the market.”

Alex Daynes, sales manager, Enercon GmbH-UK

“The show is a leading industry event which brings together private, public and third sector organisations. The exhibition is first class and relevant and the seminar sessions are excellent and represent good value and good use of time.”

Mark Bramah, managing consultant, Municipia

THERE'S STILL TIME TO EXHIBIT!

If you want to join more than 60 of your peers already exhibiting at Solar & Storage Live, it is not too late.

There is still a limited amount of space on the show floor available to purchase with a number of stand options available.

We already have more than 1,400 pre-registered visitors with many more expected to sign-up in the coming weeks. If you're interested in meeting them, then contact either Tom Moon (tmoon@solarmedia.co.uk) or Meena Manthena (mmanthena@solarmedia.co.uk) to discuss your options.

SOLAR & STORAGE
LIVE Empowering the energy transition
CONFERENCE & EXHIBITION

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Solarwatt welcomes new installer partners as storage appetite ramps up

Solarwatt has appointed 12 new UK installer partners to serve demand for its MyReserve battery storage systems as its partnership with Fronius continues to reap benefits.

The energy storage system and PV module manufacturer, which announced its expansion into the UK last year, formed a partnership with the inverter specialist in July. Solarwatt has now made use of the Fronius technology centre in Milton Keynes to provide training to fifteen technicians from the 12 firms, who include:

Bobbie Wright, Solarwatt sales manager, said: "As well as providing superior-quality inverters, our partnership with Fronius has raised our profile among installers and enabled us to provide further high-quality technical training. We expect more installers to join us soon."

Solar and storage could save homes £600 each year, new report finds

Installing solar and storage technologies into homes could save them as much as £600 each year on their fuel bills, a new study has found.

The report, released by Swansea University's Specific Innovation and Knowledge Centre, claims that an integrated system comprising solar PV roof installations, battery storage and solar heat collection technology on south-facing walls could cut energy consumption by more than 60%.

The report goes on to claim that if 1 million homes were built in the UK to the same standard, peak generating capacity required would be reduced by as much as 3GW.

Andris Bankovskis, the author of the report and member of an independent advisory group formed to assist the project, said that the scale of the potential impacts was "compelling".

UK subsidy-free pipeline tops 3GW as 100MW site nears planning



Credit: WELink

(...Continued from front page)

Currently, the post-subsidy pipeline of large-scale solar farms in the UK exceeds 3GW, across more than 300 sites.

The most interesting segment of this portfolio, Colville argues, is sites that have emerged in 2016 and so far this year. Approximately 95 sites fall into this category, adding up to more than 1.3GW in capacity. More than

25% of these are being planned to include energy storage units, indicating growing confidence in the technology as it matures.

The most interesting segment of the pie-chart above however relates to the post-subsidy part. These are new sites that have emerged in 2016 and so far in 2017. Approximately 95 sites fall into this category, adding up to more than 1.3GW. Incredibly, more than 25% of these (on

560MW worth of new solar farms) are being planned to include energy storage units.

Colville also revealed that Solar Media's in-house market research team had started to track a 100MW solar farm, which would be the UK's first of such size, which he expects to stand a good chance of being approved in the coming months. This would raise the prospects for it to start construction in 2018.

"What a start to subsidy-free deployment this would represent for the UK solar industry," Colville wrote.

The current largest solar farm in the UK is the 72MW Shotwick Solar Farm developed by WELink and BSR and now owned by Foresight Solar Fund. It trumped the 69MW effort developed at DTTC Lyneham, built by the Ministry of Defence (pictured above).

Scotland's 'largest' solar farm approved with more to follow from Elgin

Plans for the largest solar farm in Scotland have been approved, allowing Elgin Energy to construct what is expected to be a subsidy-free 20MW development on the north coast.

Moray Council confirmed if had granted permission for the solar farm at Speyslaw near Urquhart which, when constructed, would replace the 14MW solar farm in Errol, also built by Elgin Energy, as the largest in

Scotland.

Councillors approved the development of the 47-hectare site, which could see around 80,000 solar panels installed. The land will continue to be used for grazing over the 30 year lifetime of the scheme, with a condition of planning permission requiring regular updates on the energy generated at the site.

Before works begin, the council will also approve the make

and model of the solar panels to be used, as well as a draft decommissioning and restoration plan for the end of the scheme.

Despite offering the largest confirmed solar site in Scotland, it is likely this will not remain the case for long as Elgin recently submitted plans for another subsidy free site near Speyslaw at Milltown Airfield, which would boast more than 50MW of capacity.

Elgin expects a decision

from the Energy Consents Unit, a Scottish government body which considers electricity generating stations over 50MW, by Q1 2018 on the larger site but was unable to confirm when the site would be completed if successful.

A spokesperson added that large sites such as Speyslaw and Milltown Airfield will likely become the norm as the UK moves towards an unsubsidised market.

London moves to boost solar deployment with new auctions, tenders and community grants

A reverse solar auction is to be run for London homeowners under plans outlined by the mayor, which place community energy schemes at the centre of City Hall's plans while shutting the door once and for all on a rumoured London feed-in tariff.

The delayed solar strategy, which had been expected in the spring, has been published as part of Sadiq Khan's environment plan for London and will see a pilot in which City Hall will approach a number of households to gauge their interest in adding solar to their roofs.

This demand will be pooled together into a package of works which will then be tendered to solar installers who will bid for the work in a competition to offer the best price to Londoners in the pilot. If successful, it will be rolled out across the city.

More widely, City Hall has set a target of deploying 100MW of



Credit: Solarcentury

solar in London by 2030, which would double the current level of PV in the capital.

This will be pursued through a mixture of community energy schemes, which are to receive

£300,000 in grants funding, and deployment of the technology within the Greater London Authority (GLA) group.

Transport for London (TfL) has already launched a tender to

suppliers on the RE:FIT framework for installations on 24 of its buildings including train crew accommodation, bus stations, train depots, manufacturing workshops and river piers.

Scottish businesses could earn year-long business rate reprieve

The Scottish government has been recommended to allow companies who invest in solar a year-long grace period before higher business rates come into effect.

The proposal has been made as part of the Barclay Review, led by former RBS Scotland chairman Ken Barclay, which was established last year to report on non-domestic business rates in the country, specifically on potential areas of unfairness.

The Barclay Review group published its findings and a series of proposals, among which is a 12 month-long 'delay period' before new rates come into force in order to stimulate economic growth.

The report cites evidence from a "large number of ratepayers" from both public and private sectors who claimed that the im-

mediate increase in rateable values enforced when any investments are made to improve properties or plant and machinery had acted as a "disincentive and barrier to investment".

And commercial rooftop solar

in Scotland could also be buoyed by proposed reforms to the periods between rate revaluations, meaning that the rate would be revalued every three years, and a separate review to regulations affecting plant and machinery, the

category which rooftop solar falls under.

That review, which is to take a particular focus on renewables, must be started imminently to feed into the next rate review pencilled in for 2022, the report said.



Credit: Lightsource

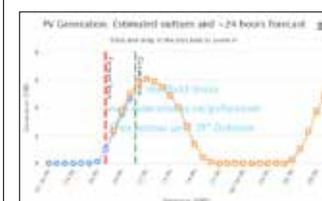
Irish rooftop solar market buoyed by subsidy-free prospects

Rooftop solar installations are going ahead in the Republic of Ireland without subsidy, according to Swiss roof mountings manufacturer Schweizer, which has suggested a rooftop tariff may not be needed.

A review carried out by Schweizer and solar equipment supplier BHC Distributors found owners and occupiers in several locations are turning to solar to lower their electricity bills, which in some cases can warrant unsubsidised projects going forward.

Martyn Johnson, Schweizer's sales manager for the UK and Ireland, told sister publication Solar Power Portal: "It is a very tough market but the returns aren't that bad. If it's [for] self-consumption and makes a proper return, some people will go ahead and be happy to install."

Sheffield Solar launches new PV forecasting tool



The Sheffield Solar research group has launched a new tool capable of forecasting output from PV systems up to 72 hours in advance.

Developed for grid operators, generators and power traders, the tool – dubbed PV Forecast – combines weather forecasts with live data from generating systems to provide educated short-term and longer-term forecasts.

It is currently being trialled online and Sheffield Solar said it had plans to further develop it beyond the half-hourly forecasts currently accessible. Regional forecasts are to follow, with national forecasts being made available for individual systems up and down the country.



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BEIS and Ofgem unveil terms of major modernisation of UK energy system

The Department for Business, Energy and Industrial Strategy and the energy regulator Ofgem have today released plans for a major upgrade of the UK's energy system.

Within the document, published this morning alongside a major investment programme for battery storage and electric vehicles, the duo have outlined how it intends to stimulate a drastic modernisation of the UK's energy market, both on networks and in homes and businesses.

The report focuses predominantly on three key areas, including the removal of barriers to storage; enabling smart markets and businesses; and making markets work for flexibility.

Meanwhile, the document also signals a future vision for the introduction of smart and flexible networks behind the meter where it will look to bolster the ability of homes and businesses to aid the network.

Having already mandated for the installation of smart meters in every home and business



Credit: Getty Images

by 2020 and the introduction of half-hourly settlement, BEIS and Ofgem will move to assess

potential new standards for EV charging points and smart appliances.

Foresight enters battery storage fray with 35MW project purchase

Foresight Group has sealed its maiden battery storage purchase, acquiring the 35MW RES-built Port of Tyne project.

The project – one of eight

battery storage installations to receive a National Grid Enhanced Frequency Response contract while also being successful in this year's Capacity

Market auction – will become the latest addition to Foresight's renewables infrastructure portfolio which already cross the solar and energy from waste sectors.

Construction of the project is expected to come on stream early next year.

Foresight revealed it was edging closer to its first battery storage play earlier this year and Dan Wells, partner within Foresight's infrastructure team, heralded the technology's potential to offer up interesting investment opportunities.

At that time he spoke of the need for a diverse mix of revenue streams to make utility-scale

battery storage feasible from an investment perspective, and today spoke of the technology's contribution to the wider energy transition.

"The acquisition consolidates Foresight's position as a leader in investing both in renewable energy generation and the flexible grid infrastructure required to accommodate increasing penetration of renewables, such as energy storage.

"We are delighted to have worked alongside RES to reach financial close on this pioneering project which sets an exciting precedent for the integration of battery storage into the UK energy system," Wells said.



Credit: RES

Surging solar sends summer power demand to eight-year low

Soaring generation from the UK's solar assets sent UK power demand to a new low in July, according to data compiled by monitoring firm EnAppSys.

The data showed that average half-hourly demand throughout July stood at 26.2GW, courtesy of a significant amount of embedded generation from sources such as rooftop solar.

These sources are seen on the grid as demand reduction and, as a result, reduce the amount of power that is drawn down from the grid.

Throughout July the average embedded generation figure stood at 3GW.

Solar and other renewables have already witnessed a number of new generation records this year, particularly in Spring. Unseasonable weather in April helped solar to a new landmark generation record.

EnAppSys said that solar stood out from the rest of the country's embedded generators with average PV generation between 10am and 2pm reaching 4.4GW per half-hour period. This, the firm said, resulted in a 13% reduction in gross demand.

Katie Fenn, analyst at EnAppSys, said the embedded generation figures had had a "noticeable effect" on the daily demand curve. However she

dismissed the likelihood for such events to reduce the grid's stability

"Whilst this makes it difficult for large units to achieve long runs, and so reduces the spin-

ning reserve online, this may not be such a big problem for system stability as it might appear, as fewer large units on line reduces the likelihood of a large single point of loss," she said.



Credit: Getty Images

E.On to utilise solar-plus-storage sales with new power trading division

Big Six utility E.On is aiming to leverage sales of its solar-plus-storage offering with the launch of a new power trading division in the UK.

Speaking of the launch Sven Otten, senior VP for energy management at E.On SE, said that the company would be aiming to take full advantage of the "flexibilities" offered by their customers' decentralised generation and storage assets.

Having previously launched it in its native German market, E.On introduced its solar-plus-storage offering to the UK market earlier this year with much fanfare. It has been advertised on Sky television and a partnership with pop group Gorillaz was formed for a wide-ranging promotional drive.

First community benefit funds from 50MW Swindon Solar Farm to be paid

The very first grants from a 50MW solar farm in Swindon are to be allocated over the next three months.

Wiltshire Community Foundation is making a total of £55,000 available, separated into both small and large grants, for projects which will benefit the local community.

Rosemary Macdonald, chief executive at Wiltshire Community Foundation, said the group was delighted that the array was now able to start contributing to the community.

UK's 'largest battery' commissioned by Hazel Capital

What is claimed to be the UK's largest stand-alone battery storage facility has been successfully commissioned by Hazel Capital as the investor continues to build its energy storage project portfolio.

The 15MW Lockleaze project in Bristol received planning consent at the beginning of May before construction, grid connection and energisation followed in under ten weeks.

Lockleaze was developed by Aura Power and will provide frequency response services to National Grid as Hazel Capital looks to build its aggregation capabilities over the course of the year. By the end of 2017, the clean energy-focused investment manager is targeting 100MW of (export) capacity by the end of 2017.

Solar & Storage Live Conference and Free Content

There are three content-packed theatres on-site with a range of free sessions and conference tickets from £499, Solar & Storage Live is the best place for anyone looking to grow their businesses. Attendees will hear directly from local authorities, PV and storage developers, housing associations, policy experts and investors about how they're taking advantage of the multi-GW solar PV and storage pipelines in the UK.

ENERGY STORAGE CONFERENCE 10am – 3pm

Tuesday 3 October 2017

This essential follow-up on the sold-out Energy Storage Summit in March will allow attendees to see exactly what's happened since UK storage tenders were announced, what DNOs and National grid are doing to facilitate the roll-out of storage and how business can still be won.

MUST-SEE SESSION: Developers and Financiers Debate, 14:00 – 15:00

Following the sold-out Energy Storage Summit earlier this year, the feedback was that investors were calling developers lazy and vice versa. For this session we have decided to host a debate where investors and developers can openly talk about risk, where it lies, where it should lie, and who needs to become more flexible.

Featured Speakers



Roger Hey
Future networks manager
Western Power Distribution



Thomas Maidonis
Energy storage expert
National Grid



Chris Miles
Business development director
Anesco



Puneet Sharma
Asset finance
Macquarie



£499.00



SOLAR BUSINESS CONFERENCE 10am – 5pm

Wednesday 4 October 2017

This is a conference packed with new opportunities. Firstly, Solar Media Intelligence will uncover exactly how large the UK's multi-GW PV pipeline is, where we are seeing activity and how to take advantage of renewed growth of post-subsidy projects. We will also look into the O&M plans for key asset owners in the UK. Lastly, see where opportunities are developing in Europe for new large scale solar projects and meet some of the UK's best installers who will update on how to win new C&I deals.

MUST-SEE SESSION: How to take advantage of the UK's new multi-GW large scale PV pipeline

As of August 2017, the post-subsidy pipeline of large-scale solar farms in the UK exceeds 3GW, across more than 300 sites in the UK. See how your organisation could win new business in the UK.

Featured Speakers



Lee Moscovitch
Partner
Greencoat Capital



David Peill
Commercial director
British Solar Renewables



Finlay Colville
Head of market research
Solar Media



Jordi Francesch
Head of asset management
Glenmont Partners



£499.00

FUTURE POWER CONFERENCE 10am – 5pm

Thursday 5 October 2017

The way we buy and sell power is changing and this conference will show you who the disruptors are, what technologies are maturing and how the future of energy trading looks in an era of internet of things, blockchain, machine learning, data driven enterprises and distributed generation and storage.



MUST-SEE SESSION: The big data tsunami – are you ready to make your data useful?

Why don't consumers want to be prosumers, what are smarter, data-driven companies doing that's giving them the edge? How is this spreading to your customers too, across cities and businesses and what are the implications of an energy internet?

Featured Speakers



Paul Massara
Chief executive
North Star Solar



Joanna Hubbard
COO
Electron



David Hill
Commercial director
Open Energi



Julie Finkler
Law and policy advisor
ClientEarth

£399.00



TICKET PRICES

While visitor registration for **Solar & Storage Live** remains free, the three daily conferences are for ticket-holders only.

Tickets can be purchased ahead of the conference.

Both the Energy Storage Conference and Solar Business Conference are priced at **£499.00**, while the Future Power Conference is priced at **£399.00**.

Flexible two and three-day ticket options are also available, priced from **£749.00** to **£1,099.00**.

All conference tickets include access to the exclusive networking area with all speakers, sponsors and conference delegates. Tickets also include lunch and refreshments throughout the day and a drinks reception on Tuesday 3 October after the conference adjourns.



BOOK NOW: uk.solarenergyevents.com

FREE CONTENT: WHAT'S HOT IN 2017?

IRELAND hear about how the Irish PV pipeline is growing, where rooftop deals are starting to trickle through and the next steps for the support mechanism

SOCIAL HOUSING - how are deals being won?

THE IET 18TH EDITION WIRING REGULATIONS - what's in the consultation so far and how could this play out?

THE IET ENERGY STORAGE GUIDELINES FOR INSTALLERS - how can you protect your business as it grows into new storage deployment

BLOCKCHAIN AND SOLARCOINS - do they represent free money for your customers and how can you claim them?

HOW ARE LOCAL AUTHORITIES PLANNING EV INFRASTRUCTURE?

See how LAs have put plans in motion

LOCAL AUTHORITY ENERGY SERVICE COMPANIES - an in-depth explanation of how LAs can benefit from the rise of the ESCO

WHO'S BUILDING THE UK'S LARGEST CARPORT STORAGE PROJECT?

Find out on-site!

SOLAR POWER PORTAL AWARDS 2017

Wednesday 4 October 2017

Now in its fifth successive year, the Solar Power Portal Awards returns to the Hilton Metropole once again to recognise the best and the brightest of the UK's solar and storage industries. Having received a record number of nominations this year, 2017's ceremony will see 12 lucky nominees honoured on the evening.

The 2017 shortlist is as follows:

O&M Provider of the Year

- Brighter Green Engineering
- British Solar Renewables
- Clean Solar Solutions
- RES

Finance Innovation

- £150 million Refinancing of Operation Portfolio of Solar Assets – *NextEnergy Capital*
- Briar Chemicals Solar PPA – *RenEnergy*
- Shotwick Solar Farm – *Foresight Solar Fund*
- Solar Storm Financing – *Simmons & Simmons*
- TRINE

Best use of Solar in a Community or Social Benefit Project

- BBOX and AERIS for work in Central and East Africa
- Edinburgh Solar Co-op – *Energy4All, Edinburgh Council, Emtec Energy*
- Empower Community Solar, Empower Peterborough and Drove Lane, and New Mains Solar CICs
- Joju's Big Community Summer – *Joju Solar*
- Minvers Sports Hall Solar Rooftop – *Nottingham City Council*
- South East London Community Energy – *SELCE*

Energy Efficiency & CSR Programme

- Aldi UK Nationwide Solar
- ICHNT Energy Efficiency Programme
- London Metropolitan University
- Spring Bank Farm
- Wellacre Academy Sustainable Energy Education Project

Residential, Commercial & Industrial Energy Storage Project

- Broom Court Care Home – *Blackwood Group, Emtec Energy & Scene Connect*
- Domestic Energy Storage & Control – *UK Power Networks*
- South Mimms Project – *Open Energi*
- Wendron Cricket Club – *GreenGenUK*

Product Innovation

- BYD B-BOX HV – *BYD*
- Multicontainer Solar Plant – *Mobile Solar Plants*
- Zappi – *MyEnergi*
- Q.CELLS Q.PEAK Module – *Hanwha Q Cells*
- TwinPeak 2 Technology – *REC Solar*
- Sunplug – *Lightsource/EDF*

Utility-Scale Energy Storage Project

- Co-located Energy Storage at 10 UK Solar farms – *Anesco*
- Big Battery in Barrow – *Centrica*
- Grid-connected Tesla Powerpacks – *Camborne, Poweri Services, Tesla*

International Solar PV Project

- A Better City Collaborative Renewable Power Procurement, Boston – *CustomerFirst Renewables*
- National Museum of Bermuda – *Low Carbon*
- Photovoltaic Lease Model for German Private Households – *MEP Werke GmbH*
- Jodphur District Solar Farm – *Sterling & Wilson*

Residential Solar PV Project

- Charis Holt – *Spirit Solar*
- Dry Creek House – *Naked Solar*
- Dubh Aird, Tarringdon – *AES Solar*
- Empower Community Solar Deployment – *Empower Community*
- Heritage Homes' Zero Carbon Development – *SunGift Energy*
- Shawm House – *Advanced Renewable Power*

Commercial Rooftop PV

- Hart Leisure Centre – *Photon*
- National College for High-Speed Rail – *Photon*
- DPD Oldbury – *EvoEnergy*
- Edinburgh Solar Co-op – *Emtec Energy*
- Gloucester Cathedral – *MyPower*
- ProDrive – *Joju Solar*

Ground-mount Solar PV Project

- Antrim Solar Cluster – *Lightsource*
- Briar Chemical Solar Farm – *RenEnergy*
- Clayhill Solar Park – *Anesco*
- Flintshire Land-fill Solar Project – *Lark Energy*

Contractor of the Year

- Emtec Energy
- EvoEnergy
- Joju Solar
- Mypower
- Photon Energy
- SunGift Energy





THE VENUE

The Solar Power Portal Awards 2017 will once again be held at the Hilton Birmingham Metropole, which is situated nearby Birmingham's NEC and Solar & Storage Live. The pre-ceremony drinks reception will take place in The Old Library, before the gala dinner is held in The Palace Suite. Attendees of previous Solar Power Portal Awards ceremonies have also stayed at the Hilton Birmingham Metropole and rooms are still available.

THE HOST

This year's host is Robert Llewellyn. Perhaps best known for portraying Kryten in the BBC2 comedy Red Dwarf, Llewellyn also hosted Channel 4's Scrapheap Challenge. Llewellyn is a staunch advocate of renewables and clean energy, and holds a particular interest in electric vehicles. His YouTube show Fully Charged has nearly 200,000 subscribers. Llewellyn is a returning host of the Solar Power Portal Awards, having previously compered the event in 2014.



THE EVENING

The evening starts at 7pm with a pre-awards drinks reception, for which every attendee is invited to. Attendees will then be called for dinner to start at 8:15pm. The awards ceremony will start by 10pm, following which the evening entertainment will commence. The bar will remain open until 1am.

THE PRICE

Tickets for the Solar Power Portal Awards 2017 are competitively priced and as follows:

Individual tickets: £170

Table of 12: £1,900

The ticket price includes entry to the drinks reception, gala ceremony, three-course meal with accompanying drink and evening entertainment.

Book early to avoid disappointment.

Each of the three previous Solar Power Portal Awards ceremonies have sold out and we do not expect any tickets to be available for purchase at Solar & Storage Live.

THE MENU

Starter

Artichoke, semi dried tomato and cheddar cheese tart with basil and balsamic dressing

Main course

Grilled chicken topped with mozzarella and sundried tomatoes, leek and potato rosti, courgettes, grilled peppers, caponata jus

Cannelloni of goats cheese and spinach in a sauce of sun ripened tomato and tarragon finished with a rocket parmesan salad (v)

Dessert

Baked blood orange tart served with chocolate ice cream

SPONSORSHIP OPPORTUNITIES

Some sponsorship opportunities remain available for this year's ceremony, including category sponsors. Any party sponsoring a category will receive branding on all promotional material including the awards brochure, branding at the awards ceremony itself, a table of 12 for the evening and the opportunity to present your chosen award should you wish to. If you are interested in sponsoring this year's awards please contact Oliver Amos (oamos@solarmedia.co.uk).



Solar Energy UK 2016 in Numbers

Unrivalled marketing reach

In 2016 Solar and Storage Live provided unrivalled market access to the clean energy industry in the UK and EU. We are the 360° market entry vehicle of choice, providing a unique competitive advantage across multi-channel platforms for solar, storage and energy clients looking to enhance their marketing strategies across the UK and Europe.



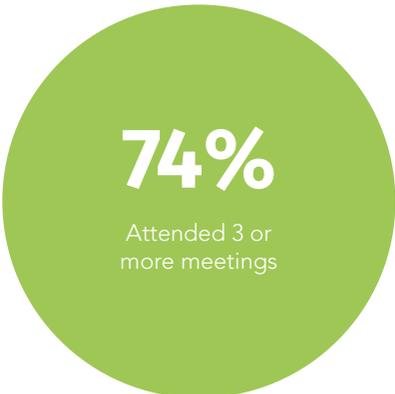
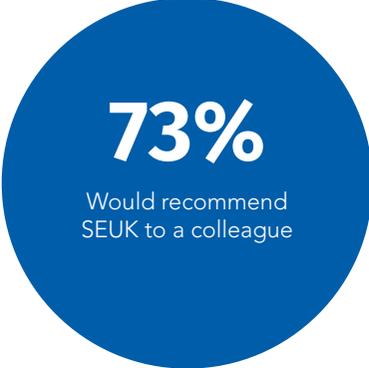
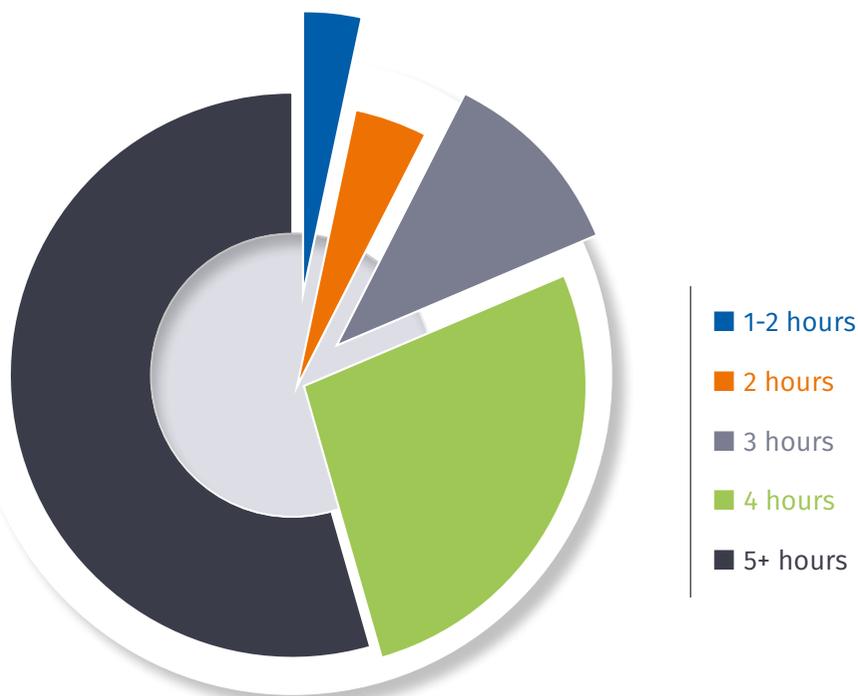
Visitor Feedback



Show'time'

Over half our visitors spend 5 or more hours at the show and a massive **81%+** enjoyed at least **4 hours Showtime**, confirming features, content and networking at the show are unparalleled in terms of engagement and intimacy.

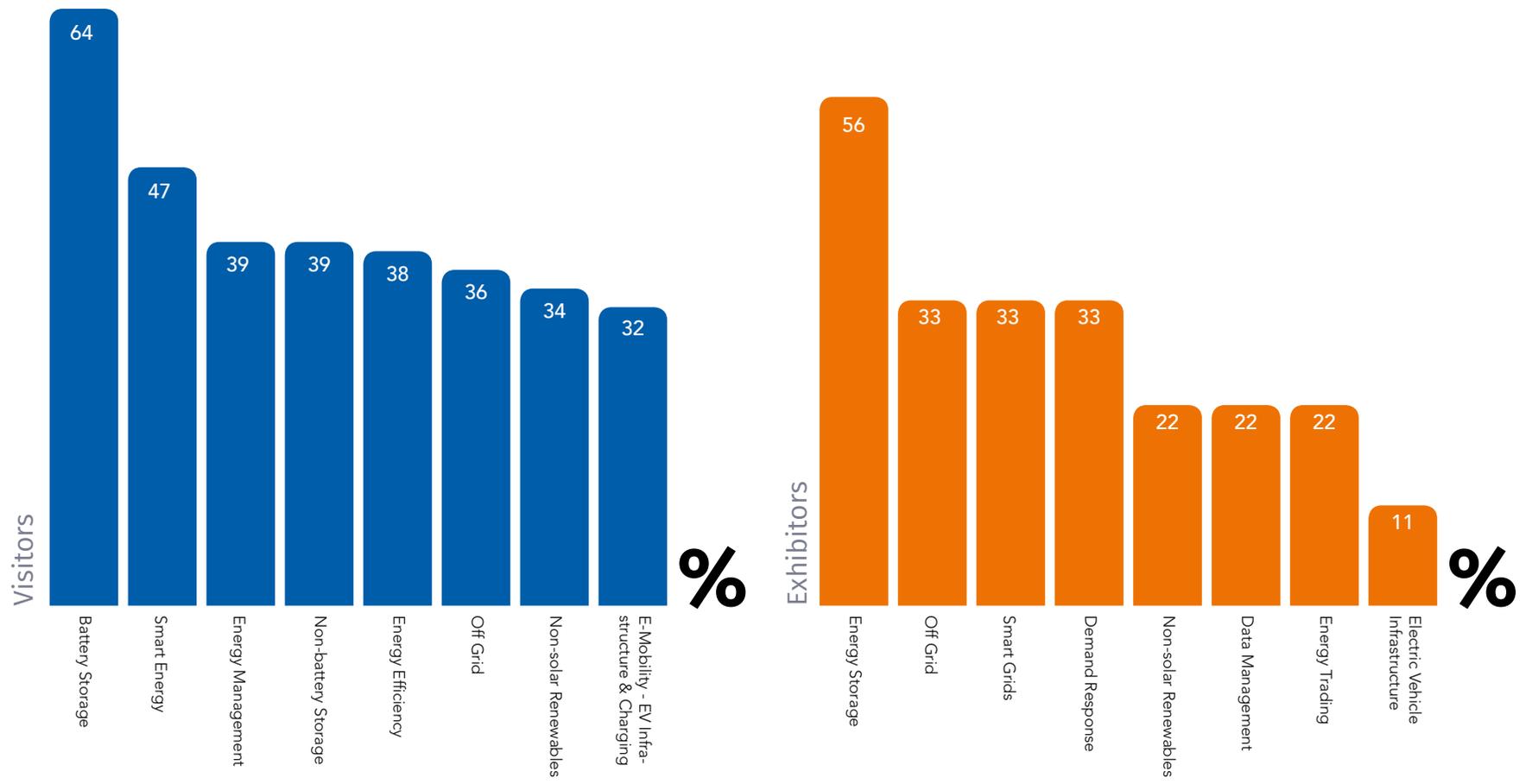
How long did you spend at the show?





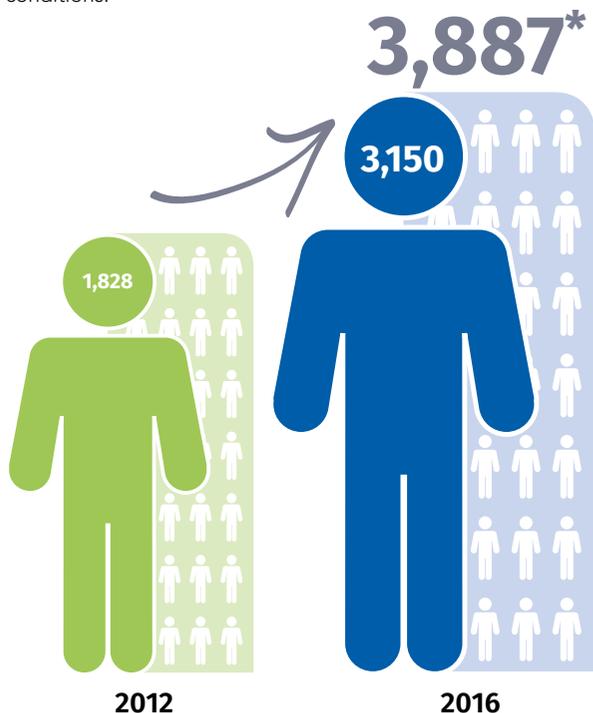
In addition to solar energy, these are the audience segments you most wanted to see more of in 2017

You spoke, we're listening:



Visitor numbers

Unique visitors and total attendees.
Consistent visitor numbers in light of changing market conditions.



*Includes total visitors, speakers and exhibitors (i.e. all attendees)

Visitors by industry sector



Getting your message out there at Solar & Storage Live

With thousands of members of the UK solar, storage and associated industry supply chains spending the best part of a week on the show floor, Solar & Storage Live represents the perfect opportunity to promote your company, brand and ideal to stakeholders. To help exhibitors achieve this, we have various flexible and multi-channel marketing opportunities up for grabs.

On the show floor

If merely exhibiting at Solar & Storage Live isn't enough, then we have a number of options to enhance your present and attract more footfall to your stand. There will be a total of four digital screens placed throughout the hall – one based near the entrance and three located inside our content theatres – with digital adverts available to purchase. These will be screened on a loop over the course of the three days. And if digital isn't your thing, we also have availability for physical drop-down banners that can be displayed anywhere on the show floor. We can also provide directional floor tiles 1m2



in size, which bear your company logo, stand number and an arrow pointing attendees in your general direction.

For more information on any of the above information, please contact Tom Moon at tmoon@solarmedia.co.uk

In the theatres

While our usual free conference content returns for another year, a brand new edition to this year's exhibition is a paid-for theatre which will be home to our most exclusive and thought-provoking content of the week. Each day will see a different theme discussed – Energy Storage, Solar Business and Future Power – with an array of expert speakers. There are still a number of sessions which you could sponsor, with packages including guest passes to the conference and all of its content.

For more information on available packages, what they entail and how you can get involved, please contact Meena Manthena at mmanthena@solarmedia.co.uk



Solar & Storage Today

If you were present at the show last year, chances are you would've picked up one at least one copy of our daily newspapers, and these will once again be gracing the show floor this year. Each morning, thousands of copies are delivered to the NEC, updating all delegates and attendees with news, insight and opinion from the previous day's show. The editorial team behind PV-Tech, Solar Power Portal and Energy-Storage.News report directly from the exhibition and will be on hand throughout the week. Some advertising opportunities within the daily newspapers remain available, ranging in size from double page spreads to quarter page ads.

If you're interested in complementing your presence at Solar & Storage Live by reaching out to the thousands of attendees who will pick up a copy of newspaper, then contact William Swan via wswan@solarmedia.co.uk

Online media

Our in-house editorial team's input will not be limited to the print domain. As ever, all of the news from the show floor will be reported online at Solar Power Portal, with regular features including the daily live-blog and special email snapshot newsletters to recap the day's news.

Limited advertising spots are available both on the live-blog and on the daily newsletters and can be arranged by contacting Oliver Amos via oamos@solarmedia.co.uk



Introducing

SOLAR AGM



Trojan Battery's new line of Solar AGM deep-cycle batteries delivers extraordinary total energy over the life of the battery. These maintenance-free batteries can be counted on day in and day out as a highly reliable power source for a wide range of off-grid, grid-tied and unstable grid applications.



Clean energy for life™

**SOLAR &
STORAGE
LIVE**

Come and visit
us at **Stand G31**



Please call **0845 063 9999** for more information, or
contact sales@platinuminternational.com

Travelling to Solar & Storage Live

Solar & Storage Live 2017 takes place in Hall 3 at Birmingham's NEC, which has been the home of Solar Media's annual exhibition for the past four years. Getting to the exhibition centre could not be easier.

BY CAR

The NEC is situated just outside of Birmingham's city centre, and it boasts that it can be reached by 75% of the UK within a three-hour drive. The M42 and M6 motorways will get you closest to the exhibition centre, from which it is clearly signposted. If you're using a satnav, simply enter the postcode **B40 1NT** and follow the directions. Parking will not be a problem owing to there being more than 16,000 car parking space available at the NEC, with a free shuttle bus ferrying visitors from the array of car parks to the venue's entrance. For those of you of an electric vehicle persuasion – and we hope that's a considerable portion of our visitors this year! – there are EV charging stations at both nearby Birmingham Airport and Resorts World, as well as the adjacent Arden hotel, however numbers are limited.



BY TRAIN

The NEC is served by **Birmingham International** train station, which is just a short walk away from the exhibition centre with a number of hotels also located within walking distance. The station is served by both Virgin Trains and London Midland and trains between Birmingham International and London Euston are regular throughout the day. On all three mornings of Solar & Storage Live the first train leaves London Euston at 05:34, and the final return train leaves Birmingham International at 23:30. Birmingham New Street station, in the centre of the city, is also just a 12 minute train journey away.

BY AIR

If you're travelling to Solar & Storage Live from overseas then Birmingham International Airport is located conveniently next door to the NEC. An air-rail links connects the rail station to the airport, with connecting trains running every two minutes. The airport serves destinations throughout Europe, the Middle East, the Indian subcontinent and North America, and is the operating base for airlines Flybe, Jet2, Monarch Airlines, Ryanair, Thomas Cook Airlines and Thomson.



NEED SOMEWHERE TO STAY?

If you're planning on staying for the duration of Solar & Storage Live, then there are a number of hotels within just one mile of the NEC.

Hilton Birmingham Metropole Hotel

National Exhibition Centre, Birmingham, West Midlands, B40 1PP, Tel: 0121 780 4242



SPECIAL OFFER

Solar & Storage Live has secured a special offer with the Hilton Birmingham Metropole Hotel and all attendees wishing to stay can receive **15% off** the best available rate. The special rate is available from 30 September to 6 October. This rate can be secured online or by calling the Hilton directly.

Ibis Birmingham Airport Hotel

Ambassador Road
Solihull, Birmingham
B26 3AW
Tel: 0121 780 5800

Resorts World Birmingham

Pendigo Way
Birmingham, B40 1PU
Tel: 0121 213 6327

Ramada Encore NEC Birmingham

Bickenhill Lane
Birmingham, B40 1PL
Tel: 0121 780 5900

Holiday Inn Birmingham Airport

Coventry Road
Birmingham, B26 3QW
Tel: 0871 663 9007

Novotel Birmingham Airport

Birmingham Airport
West Midlands
Birmingham, B26 3QL
Tel: 0121 619 9003

RESORTS WORLD

One of the more recent additions to the NEC site is Resorts World. Located across Pendigo Lake from the exhibition centre, Resorts World is a shopping and entertainment centre that is open each day of the week. More than 50 designer outlets make up the shopping centre that is open until 8pm during the week, while nearly 20 different restaurants are located throughout Resorts World, many of which remain open until the early hours – they might make a welcome change from the hotel or show floor food! Resorts World is also host to the Genting Casino which, as many attendees have found out in the past, is open 24 hours a day.

