

Rushlight *Show*

2020

Church House Westminster, London

Thursday 30 January 2020

Exhibition, including the **Innovate UK Energy Catalyst Showcase**, **Innovate UK Faraday Battery Challenge Showcase**, **BEIS Energy Entrepreneurs' Fund Showcase** and the **Poster Show**

Cleantech Conference, incorporating the **Innovation Showcase**

Sustainable Solutions Market Panel

Resourceful Conference, in association with LCRN and the Circular Economy Club

UK Energy Breakfast Seminar

Networking lunch; Investors' Guided Exhibition Tour

Headline Sponsors:



Sponsors:



A warm welcome from Eventure Media Ltd

Welcome to this 11th Rushlight Show. This is the leading event that brings together clean technology companies, customers of clean technologies, investors and financiers, government and other public sector representatives, advisers, intermediaries, charities and other interested parties in order to assist in the development and successful deployment of new sustainable energy, resource and environmental solutions, right in the heart of London.

The UK Energy Breakfast & Seminar awaits your arrival for those specifically registered for it. There then follow three conference streams: Cleantech Conference, the Resourceful Conference and the Sustainable Solutions Market Panel, together with the Exhibition. These streams have been constructed in a modular fashion and so delegates can pop in and out of the conferences in order to gain the most from the Show.

Lunch will be available from 13.00 in the Assembly Hall and I do encourage you to use this time to go around the Exhibition. At 13.30, Innovate UK are leading investors around the exhibition to meet companies specifically looking for investment at this time.

This event provides a singular opportunity for cleantech companies to meet and be guided by investors; for advisers to support cleantech developers and for sustainability specialists in corporates and other organisations to find the latest clean technologies and to gain from the experience of others in their pursuit of a sustainable future for their operations and communities.

I would like to thank our sponsors and partners of the Show for their support and active participation which contribute so much to the day.

I wish you a very successful event.

Clive Hall
Eventure Media Ltd

Summary of the Show

7.45 - 8.30	UK Energy Breakfast in the Assembly Hall
8.30 - 10.00	UK Energy Seminar in the Hoare Memorial Hall
9.00 - 16.30	Exhibition in the Assembly Hall
10.00 - 17.15	Cleantech Conference in the Hoare Memorial Hall
10.15 - 17.15	Resourceful Conference in the Bishop Partridge Hall
10.15 - 13.00	Sustainable Solutions Market Panel in the Convocation Hall
11.15 - 11.35	Mid-morning teas/ coffees in the Assembly Hall
13.00 - 14.15	Lunch available in the Assembly Hall
13.30 - 14.15	Investor Tour through Exhibition
15.35 - 15.50	Mid-afternoon teas/ coffees in the Assembly Hall
17.15	Close

Food and drink

For those registered for the UK Energy Breakfast Seminar, breakfast is available in the Assembly Hall from 7.45 until 8.30 sharp.

Coffee and tea will be served at the mid-morning and mid-afternoon break times in the Assembly Hall.

Lunch, including vegetarian options, will be available in the Assembly Hall from 13.00 until 14.15.

Food and drink can be taken into the lecture halls throughout the day.

UK Energy Seminar - Hoare Memorial Hall

What Net Zero by 2050 means for UK Energy & Fuels

This event is open to pre-registered delegates only and commences with a free breakfast in the Assembly Hall.

Chair: **Georgina Penfold**, Founder ICON and Director of Public Service and Policy at Inspired Energy plc

8.35am Introduction by the Chair

8.40am Analysis of UK Energy Sector to achieve Net Zero – **Mike Hemsley**, Senior Power Analyst, Committee on Climate Change

9.00am The response by the UK Energy Markets – **Andrew Anderson Shepherd**, Senior Risk Manager, British Independent Utilities

9.15am Panel discussion and Q&A, chaired by **Georgina Penfold**, Founder ICON and Director of Public Service and Policy at Inspired Energy plc, and involving:

Philip New, CEO Energy Systems Catapult & Chair Electric Vehicle Energy Taskforce

Lisa Fischer, Senior Policy Advisor, E3G

Alex Weir, Energy Strategy Manager, BEIS

Mike Hemsley, Senior Power Analyst, Committee on Climate Change

Andrew Anderson Shepherd, Senior Risk Manager, British Independent Utilities

10.00 UK Energy Seminar delegates leave the lecture theatre for the Exhibition

11.00 Event closes for delegates who are registered for just the UK Energy event

Cleantech Conference - Hoare Memorial Hall

Chair: **Jeffrey Beyer**, Principal Consultant, Carbon Limiting Technologies

10.00 **Matthew Billson**, Deputy Director Energy Innovation, BEIS

10.15 **David Hytch** - Head of Energy, UKRI Innovate UK

Cleantech Innovation Showcase - Presenting companies:

10.30-11.15 Panel 1 Chair: **Jeffrey Beyer**, Principal Consultant, Carbon Limiting Technologies

Research/ early investment session

Trusted Renewables, Colin Mallett

CEAD, States Chiwanga

RheEnergise, Stephen Crosher

Oaktec Ltd, Paul Andrews

Lina Energy, Tom McColm

Steamology, Matt Candy

CPI, Robert Mitchell

11.15 BREAK & EXHIBITION

11.35-12.45 Panel 2 Chair: **Tom Kennard**, Director, Granted Consultancy Ltd

11.40 **Hara Spathi**, Project Manager - Low Carbon London, London South Bank University

Early investment session

FAC Technology, Alexander Fergusson

Africa Power Ltd, Alastair Livesey

Offshore Wind Logistics & Construction, Matthew Bleasdale

StorTera, Gavin Park

Sun Harvester Ltd, Ryan Burton

Gommyr Power Networks Limited, Arnaud Henin

Charm Impact, Gavriel Landau

Scene Connect Ltd, Catherine Munyarari

Entrust Smart Home Microgrid Ltd, Stephen Parkinson

Carruthers Renewables Ltd, Penny Carruthers

12.50 **Frans Snijkers**, Director, Cleantech Flanders

13.00-14.15 LUNCH & EXHIBITION

14.15-15.35 Panel 3 Chair: **Peter Thorniley**, Partner, Venner Shipley LLP

Early/ Mid investment session

C40 Cities Climate Leadership UK, Olivia Bedworth

Airex, Agnes Czako

Planet Ark Power, Andrew Jennings

Gegan Solutions, Gary Burgess

Pyrogenesys Ltd, Simon Ighofose

Flint Engineering, Stephen Lester

Axis Energy Projects, John Baross

Kew Projects Limited, Mark Johnson

GridDuck, Gregor Hoefter

Moltex Energy, Simon Newton
Polysolar, Hamish Watson
Zedify, Rob King

15.35 BREAK & EXHIBITION

15.55-17.15 Panel 4 Chair: **Hamish Corner**, Partner, Shoosmiths LLP

Mid/ late investment session

Rype Office Ltd, Greg Lavery
Deciwatt Ltd, Chris Skilton
Propelair, Dee Tavan
Verditek Solar, Tim Lord
Melius Homes, Robert Lambe
Xeroe Ltd, Steve Evans
Mobile Power Ltd, Jono West
Powervault, Jack Peck
EMSOL, Freddie Talberg

17.15 Conference ends

Fixed audience investor panel:

Andrew Wordsworth, Sustainable Venture Development Partners
Emma Fadlon, KTN
Gavin Taylor, Mitsui
Nick Goddard, Factor[e] Ventures
Henri Songeur, Puma Investments
Jim Totty, Earth Capital
Alex Gilbert, TFL and independent investor
Ali Naini, Turquoise International
John Williams, Sinvestec
Vitaly Lazarin, Future Matters Venture Capital
Ian Cooke, EMV Capital
Oliver Houlden, Amber Infrastructure Ltd
Damien Kelly, Engie
Paul Williams, Johnson Matthey
Felicity O'Kelly, OGCI Climate Investments LLP
John Bromley, Legal & General Capital
Cam Ross, Green Angel Syndicate
Pippa Gawley, Zero Carbon Capital
Arjun Thirunavukarasu, BAM Nuttall
Jim Johnson, Cummins
Tristan Lloyd-Baker, Seismic Ventures
Lucy Rands, ETF Partners
Matt Ridley, Hangar 51 Ventures
Isabelle Smith, Shenzhen Valley Ventures

Resourceful Conference - Bishop Partridge Hall

Chair: **Julie Hill**, Chair, WRAP

10.15 Keynote: State of the UK Circular Economy Nation – **Julie Hill**, Chair, WRAP

10.30 Keynote: **David Warren**, Head of Circular Economy Economic Policy, Welsh Government

10.45 Audience Q&A

11.15 BREAK

11.35 Keynote: Circularity at HP: **Mark Dempsey**, UK Sust & Global WEEE Programme Manager, HP

11.55 Company presentations:

Rype Office, Greg Lavery

Siemens, Ian Wilkinson

Aceleron, Kunmi Williams

Aurelius Environmental, Athan Fox

Airex, Agnes Czako

ALDStone, Susana Nuria Guerrero Lopez

Panel:

Natalia Agathou, Business Advice Manager Circular Economy, LWARB

Emma Burlow, Head of Circular Economy, Resource Futures (Chair)

Victoria Lawson, Lead on waste and resources at LEDNet and Executive Director of Environment, Culture and Customer Services, London Borough of Hounslow

David Fitzsimons, Managing Director, Oakdene Hollins

Jessica Stewart, Project Manager, Systemiq

Mercedes Bankston, CEO, Founders Institute

13.00 LUNCH & EXHIBITION

Chair: **Dr David Greenfield**, London Organiser, Circular Economy Club

14.15 Keynote: **Dr David Greenfield**, London Organiser, Circular Economy Club

14.30 Keynote: UK Circular Plastics - **Paul Davidson**, Challenge Director for Smart Sustainable Plastic Packaging, UKRI

14.45 Circularity in Chemicals - **Tony Breton**, Market Specialist, Novamont

15.05 Quality and longevity of consumer products – **Tara Button**, Founder, Buy Me Once

Panel Q&A:

Paul Davidson, Challenge Director for Smart Sustainable Plastic Packaging, UKRI

Tara Button, Founder, Buy Me Once

15.35 BREAK

15.50 **Steve Garbutt**, Technical Manager, ReNew ELP

16.05 **Fergal Harrington-Beatty**, Programme Manager, AMTE Power

16.20 **Anthony Weil**, Environment Services Manager, Pickfords

16.35 **Marie Cuddenac**, CEO and Co-Founder, Goldfinger Factory

Panel Q&A:

Steve Garbutt, Technical Manager, ReNew ELP

Fergal Harrington-Beatty, Programme Manager, AMTE Power

Anthony Weil, Environment Services Manager, Pickfords

Marie Cuddenac, CEO and Co-Founder, Goldfinger Factory

17.15 Close

Sustainable Solutions Market Panel – Convocation Hall

This event is designed to bring together companies with market-ready products and services and the decision-makers in companies looking for sustainable solutions that will give them a strategic edge, a competitive advantage and a major step-up in their bid to manage their environmental footprint, energy costs, security and supply chain resilience.

Panel:

Chair: **Nick Martin** – Head of Sustainability, **Great Ormond Street Hospital for Children NHS Foundation Trust**

Dr Liz Wilks – European Director, Sustainability and Stakeholder Outreach at **Asia Pulp & Paper**

Jim Johnson – Corporate Indirect Purchasing Sourcing Specialist – EME Facilities, **Cummins**

Brian Cuthbertson – Head of Environment & Sustainability, **Diocese of London**

Carrie Harris – Sustainability Manager, **International Airlines Group**

Claire Igoe – Head of Environmental Sustainability, **Manchester University NHS Foundation Trust**

Katie Mills - Head of Innovation UK & Ireland, **Schneider Electric**

Mark Hubbard - Head of Engineering and EnergyCare, **Boots UK & Republic of Ireland**

Andy Tomkins - EMEA Sustainability Engagement Manager, Sustainability Group, **Canon Europe**

Companies presenting:

10.15

Rype Office Ltd, Greg Lavery

Xeroe Ltd, Steve Evans

BeeOdiversity, William Donck

Charm Impact, Gavriel Landau

Water Powered Technologies Ltd, Hugh Swire

Mobile Power Ltd, Jono West

11.15 Break

11.35

GridDuck, Gregor Hoefter

BOC, Mark Griffin

Flint Engineering, Stephen Lester

Propelair, Dee Tavan

Verditek Solar, Ravinder Shan

Zedify, Rob King

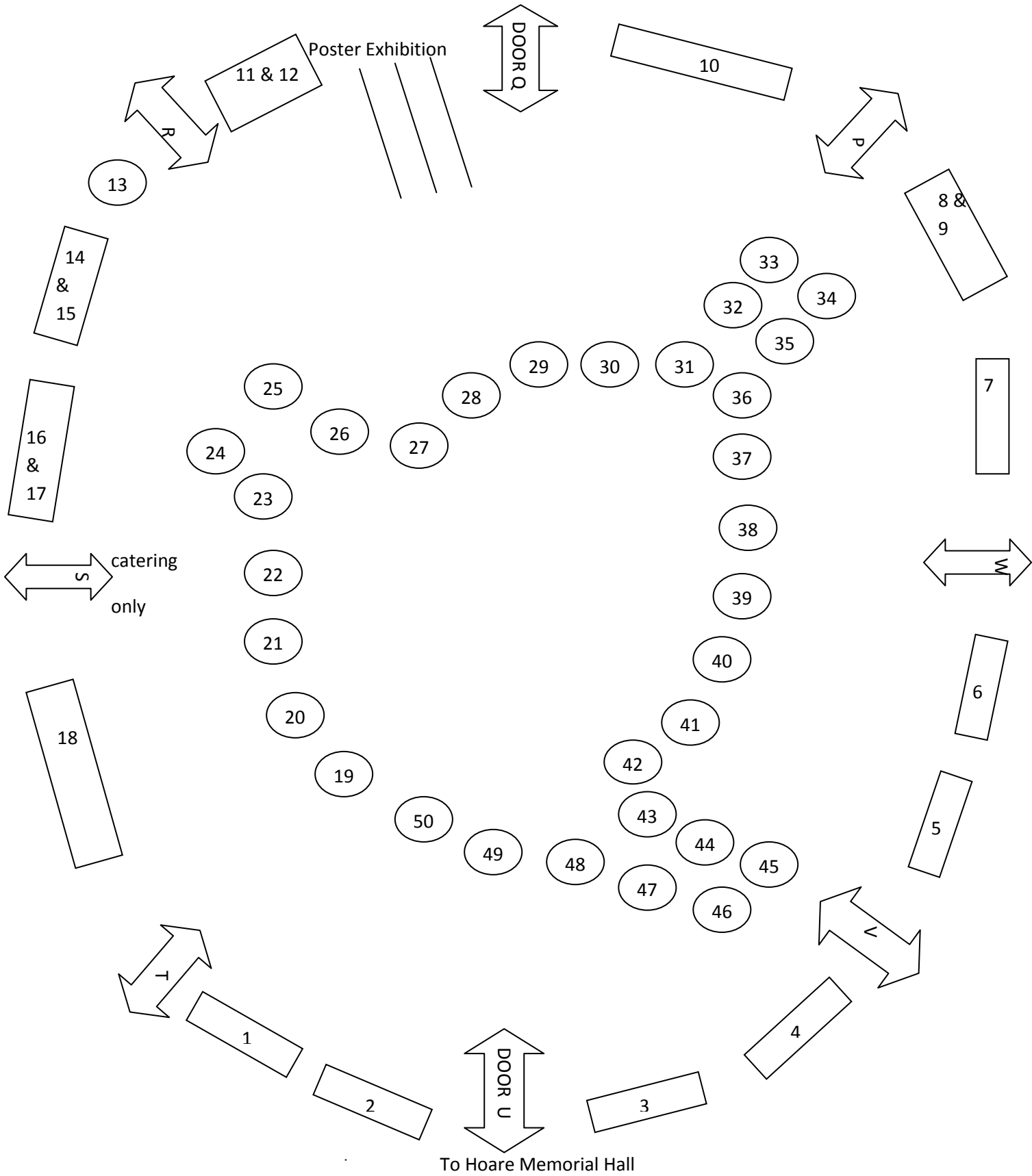
Melius Homes, Robert Lambe

Demand Logic, William Hulls

Pilot Group, Chris Pearson

13.00 Close

Exhibition - Assembly Hall



Exhibition

The Exhibition includes the **sponsors (1-7)**, the **Innovate UK Energy Catalyst Showcase (32-45)**, the **Innovate UK Faraday Battery Challenge Showcase (27-31)**, the **BEIS Energy Entrepreneurs' Fund Showcase (46-50)**, other leading cleantech exhibitors (8-26) and the Poster Exhibition by stand 11.

- 1 **Granted Consultancy**
- 2 **Flanders Investment & Trade**
- 3 **Carbon Limiting Technologies**
- 4 **Venner Shipley**
- 5 **Innovate UK**
- 6 **London South Bank University**
- 7 **Shoosmiths**
- 8 Sustainable Workspaces
- 9 BeeOdiversity
- 10 *Catering*
- 11 Radbot
- 12 Auream Energy Ltd
- 13 Simplifai Systems Ltd
- 14 Pilot Group
- 15 ReNew ELP Ltd
- 16 UKSOL
- 17 Demand Logic
- 18 *Catering*
- 19 Offshore Wind Logistics & Construction
- 20 compactAD
- 21 Propelair
- 22 Verditek Solar
- 23 London Cleantech Cluster
- 24 Planet Ark Power
- 25 Airex
- 26 Avgo Biotech
- 27 **Flint Engineering**
- 28 **CPI**
- 29 **Powervault**
- 30 **Lina Energy**
- 31 **CDO2**
- 32 **Polysolar**
- 33 **Sun Harvester Ltd**
- 34 **Gommyr Power Networks Limited**
- 35 **Charm Impact**
- 36 **Kew Projects Limited**
- 37 **Water Powered Technologies Ltd**
- 38 **Mobile Power Ltd**
- 39 **Energy SRS Ltd**
- 40 **Trusted Renewables Ltd**
- 41 **Aceleron Ltd**
- 42 **GridDuck**
- 43 **Scene Connect Ltd**
- 44 **Connected Energy Technologies Ltd**
- 45 **Entrust Smart Home Microgrid Ltd**

46	Axis Energy Projects Ltd
47	Melius Homes
48	Solar Flow
49	StorTera
50	CEAD

Exhibitor listings

1. Granted Consultancy

Granted Consultancy specialises in unlocking non-dilutive funding for innovative ambitious companies. Since 2010 we have demonstrated a track record of success, securing UK and EU funding for hundreds of companies, and are consistently generating an average 25x ROI for our clients. If you're seeking expert advice on suitable funding options for your project, get in touch with Tom Kennard, Director, on tomk@grantedltd.co.uk or visit www.grantedltd.co.uk

2. Flanders Investment & Trade

Flanders investment and Trade (FIT) is a government development agency at the Belgian Embassy. We provide confidential expert advice on business opportunities on the European continent. Our services are tailored to your business needs and are free of charge. We can help you find the right location and connect you with suitable specialists or partners. FIT will guide you through our tax incentives and available grants. For more information on how the Flanders region is at the forefront of Cleantech and to get to know our different players, visit our website:

<https://www.flandersinvestmentandtrade.com/invest/en/sectors/energy/cleantech>

Jan Offner
Economic & Commercial Counsellor
flandersinvestmentandtrade@flanders.co.uk

3. Carbon Limiting Technologies

Carbon Limiting Technologies (CLT) works with corporates, government, investors and SMEs to commercialise low carbon innovations and accelerate clean growth. Since 2006, we have worked with over 350 low carbon innovators to help them commercialise new technologies. We advise on product development, business planning, market engagement and investment readiness. We also facilitate industrial partnerships between large corporates and SMEs by helping them find, select and partner with the most promising companies. As a trusted delivery partner for Government, CLT develops and manages multi-year incubation programmes, including leading BEIS's £72m Energy Entrepreneurs Fund since 2012. Through the FCO and DIT, CLT helps UK businesses increase exports by analysing global markets and matching skills at home with needs abroad.

Beverley Gower-Jones
CEO
beverley.gower-jones@carbonlimitingtechnologies.com

4. Venner Shipley

Venner Shipley LLP is a leading full-service intellectual property firm whose attorneys have backgrounds in a wide range of technical fields. We are experienced in advising on how your IP rights may be used to deter competitors, to attract investment, generate income or even to reduce tax bills. Our attorneys take the time to ensure that clients understand all of their options for gaining protection, as well as the costs and timescales involved, whether they are a start-up, SME or multinational. We also has a specialist team of intellectual property lawyers who are able to advise on legal issues.

Peter Thorniley

Partner and Patent Attorney

pthorniley@vennershipley.co.uk

020 7600 4212

5. Innovate UK

Innovate UK is part of UK Research and Innovation and works with people, companies, and partner organisations to find and drive the science and technology innovations that will grow the UK economy. We drive productivity and economic growth by supporting businesses to develop and realise the potential of new ideas, including those from the UK's world-class research base.

The Clean Growth and Infrastructure team, as part of Innovate UK, looks to maximise the advantages for UK industry from the global shift to clean growth. Our aim is to create the best innovation climate for UK businesses to be successful in solving global quality of life and clean growth challenges. Our approach encompasses clean energy, better urban systems for our towns and cities, and smarter built infrastructure.

The UK has been at the forefront of encouraging the world to move towards clean growth and we are determined to play a leading role in supporting the technologies, innovations, goods and services of this future.

At Rushlight a selection of our innovators from our Energy Catalyst programme portfolio are being showcased. The Energy Catalyst programme aims to grow innovative businesses with great ideas in low carbon, affordable and secure energy technologies by providing support and funding through the product development cycle, from research to commercialisation.

Alice Goodbrook

Innovation Lead – Energy Catalyst

Alice.goodbrook@innovateuk.ukri.org

6. London South Bank University

Our Sustainable Innovation Programme is designed to support entrepreneurs with their product development and commercialisation of their innovative solutions. Since 2017 we have supported over 500 London businesses through South Bank Innovation programmes. Our aim is to support many more early stage start-ups and established SMEs looking to partner with academic experts in

various science and engineering fields. The businesses already supported have benefitted from expertise in: chemical engineering, sustainable packaging, energy efficient buildings, renewable energy, sustainable transport, and software development.

For more information, please contact our Sustainable Innovation team – we look forward to meeting you at the Rushlight Show 2020.

lowcarbon@lsbu.ac.uk
<https://www.sustainableinnovators.com/>

7. Shoosmiths LLP

With over 1,600 staff, 200 partners and 11 offices, Shoosmiths is one of the largest independent law firms in the UK. It is well-known for its work in energy, renewables and infrastructure, which is one of the firm's core sectors. The firm acts for numerous SMEs, investors, funds and government-backed entities in this field. This includes: numerous EEF-funded SMEs (as formal legal advisor to the EEF incubation services consortium, appointed by BEIS), the Connected Places Catapult (incorporating Future Cities and Transport Catapults), and the manager of the National Digital Infrastructure Fund. What sets Shoosmiths apart is its pragmatic, accessible and friendly approach, and its use of AI and innovative solutions, to assist and support its clients at whatever stage and size of their business. Shoosmiths was awarded the 2018 National Law Firm of the Year (at the Legal Business Awards) and the 2019 Corporate and Commercial Firm of the Year in the field of venture capital (at the Legal 500 Awards).

For further information please contact Hamish Corner, Partner, at Hamish.Corner@shoosmiths.co.uk or visit www.shoosmiths.co.uk

8. Sustainable Workspaces

Our vision is a world where the twin challenges of climate change and resource scarcity are addressed by commercial solutions. Sustainable Workspaces is now the largest cluster of sustainable start-ups in Europe, with over 50 companies sharing office, workshop and community space at our co-working spaces at London Bankside. Community members are supported by the Sustainable Ventures team, which includes some of the country's most talented venture development and investment professionals, all dedicated to creating value for our community whilst making the world a better place.

contact@sustainableventures.co.uk
020 3582 0855

9. BeeOdiversity

BeeOdiversity designs and implements innovative strategies and projects that restore biodiversity and reduce industrial and agrarian pollution for companies and public entities. We are convinced that regenerating biodiversity and reducing pollution is not only beneficial for the environment, but also creates value for involved stakeholders. For the development of projects, we offer innovative methods and tools such as the BeeOmonitoring. The BeeOmonitoring is a tool that monitors pollution and biodiversity over large areas (70-700ha) and at a low cost by using bees as

environmental drones and a data interpretation software. Quantified indicators on pollution and plant diversity are produced by analysing plant species and the local ecosystem's specificities, 516 pesticides, heavy metals, PAHs, dioxins,...

Michael Van Cutsem, CEO
mvc@beeodiversity.com
+32 477 66 75 35

10. Catering

11. Radbot

Did you know that heating is the single biggest cause of UK emissions with space heating alone accounting for 17% of CO2 production?

Vestemi is a technology company with an environmental & social purpose. Our vision is to create simple, effective consumer products that reduce energy consumption and save people money. Earlier in the year, we launched in partnership with EDF Energy our first product, Radbot which was awarded Energy Efficiency Product of the Year. Radbot is a new type of smart heating control that simply screws onto your radiator (no plumber is required) and has proven energy savings of up to 30%. Help us save the world one radiator at a time!

info@vestemi.com
0333 567 1535
www.radbot.com

12. Auream Energy Ltd

Auream Energy Ltd are a specialist renewable energy technology company that focus on devising sustainable energy systems for large residential and commercial premises. We integrate solar PV, heat pumps, power diverters and energy storage to ensure that you have a state of the art renewable energy solution which is capable of powering and heating your home or business.

enquiries@aureamenergy.com
01256 814666
www.aureamenergy.com

13. Simplifai Systems Ltd

14. Pilot Group

Pilot Group are a technology business Tailoring SMART, SAFE and SUSTAINABLE business solutions. We provide a comprehensive review on how to save your business money and energy waste in the most efficient way, with remote, cost effective and easy to use technology. We supply Energy Management systems, LED Lighting, Electric vehicle charging, Traffic control systems and Enterprise IT.

sales@thepilotgroup.co.uk

15. ReNew ELP Ltd

At the forefront of chemical recycling, ReNew ELP are developing the world's first commercial scale site to use the Cat-HTR™ (Catalytic Hydrothermal Reactor) technology, which is able to convert end-of-life plastic that cannot currently be recycled (such as multi-layer flexible film) into valuable chemicals and oils. These products can then be re-used in the manufacture of new plastics, creating a circular economy. The process is different in that it uses supercritical water as the agent of change to convert waste plastic. ReNew ELP see end-of-life plastic not as a problem waste which should be buried or burned at the expense of the natural world, but as a resource that can be recovered and re-used, contributing to a low-carbon, plastic neutral and sustainable future by greatly reducing the requirement for fossil resource in plastic production, and diverting plastic waste away from landfill, incineration, and the environment. The ability to process mixed waste plastics sets ReNew ELP apart – with target feedstock being mixed waste plastics considered too contaminated or mixed for traditional recycling methods. These plastics are currently disposed of via landfill or incineration, and so the opportunity for polymer recycling is lost. Our process enables the polymer to be continually recycled, retaining the value of the material.

info@renewelp.co.uk
01642 438280

16. UKSOL

UKSOL (www.uksol.uk) is a fast-growing British producer and exporter of high-quality solar PV modules. The Founder and Chief Executive of UKSOL, Andrew Moore, was recently awarded the role of Export Champion by the British Government's Department of International Trade (DIT), as a result of UKSOL's rapid export growth in Africa, Asia and South America. UKSOL is based in Gerrards Cross, Buckinghamshire and was established in 2015. UKSOL produces and exports its own range of high-quality solar PV modules with a 30-year trusted British warranty. UKSOL panels incorporate the latest mono and poly solar PV technology.

Andrew Moore
UKSOL
+44 7949 489911
andrew@uksol.uk
www.uksol.uk

Paul Southin (UK distributor)
The Boiler Shop
+44 7572 909885

17. Demand Logic

Demand Logic is a software service which provides simple & actionable intelligence enabling clients to make quantifiable cost savings whilst also optimising their environment. The aim is to simplify property performance through data to make informed decisions around client's property strategies.

Demand Logic provides live data intelligence on how buildings operate, utilising the existing BMS infrastructure, the Data Acquisition Device links directly to the systems and plant; providing a true visualisation and the ability to quickly identify issues which are causing energy wastage and pinpoint the exact piece of plant which is causing the issues, in-turn rectification actions.

William Hulls
Head of Strategic Partnerships
William.hulls@demandlogic.co.uk
07979702539

Geoff Parsons
Strategic Partnerships Manager
Geoff.parsons@demandlogic.co.uk
07515745532

18. Catering

19. Offshore Wind Logistics & Construction

OWLC owns the international patent (issued) on a revolutionary new substructure for offshore wind turbines, the Gravity Tripod. Based on onshore civil construction mass-manufacturing techniques, as well as tried and tested offshore oil & gas installation methods, it will reduce costs substantially while constructing faster. Working with industry partners and government we will be demonstrating the Gravity Tripod in 2021 with an aim to first series production in 2023 and full commercialisation in 2025.

Matt Bleasdale
Director
OWLC
+44 7803757391

20. compactAD

Compact Anaerobic Digestion Modular Solution is a fully containerised AD unit, including all controls and monitoring, called **compactAD**. The unit is designed for use on sites where the organic waste is generated, the compactAD gives back power and heat, the principle of the true circular economy. compactAD units are capable of digesting organic wastes from a few 100kg per day up to 5,000kg, that's over 1,800 tonnes of treated waste per year. Producing significant biogas, the compactAD can provide power >100kW per hour with heat/cooling for site use, equivalent to 250 households' yearly use. The output from the waste is an organic fertiliser helping to promote plant growth, as nutrients are retained through the compactAD process. Being modular and scalable, the compactAD can also be configured to process >50 tonnes of organic waste per day by chaining and stacking units.

Gegan Solutions Ltd
+44 (0) 203 633 8225
info@gegansolutions.com
www.gegansolutions.com

21. Propelair

Propelair is a British CleanTech manufacturer with the world's lowest water-flush toilet. Washrooms generally account for over 80% of all water used in a commercial building and within the washroom itself, toilets account for half of all the water. This presents a huge environmental emergency with the growing scarcity of clean drinking water, and the need to lower our carbon footprint. As such, the Propelair toilet was specifically designed for commercial use, to provide a practical, necessary solution that reduces water use, carbon footprint as well as water & sewage bills. We have one goal: saving the world's water resources, one flush at a time.

Propelair is the lowest water-flush toilet that can be fitted onto existing drains, requiring little to no refurbishment prior to install. It operates using just 1.5 litres, thanks to a two-section cistern; one for air and one for water. The flush process of the Propelair toilet is similar to that of an airplane toilet – except, instead of sucking the waste, our toilet propels air into the bowl. Hence why we are called Propelair!

Dee Tavan
Duygu.tavan@propelair.com
01268904265

22. Verditek Solar

Verditek Solar is transforming the solar industry through its unique and innovative technology for manufacturing ultra-lightweight and flexible solar panels without the use of any glass or aluminium. These panels can be installed on structures that are unable to support traditional solar panels such as low load bearing roofs, curved or mobile structures thereby opening new opportunities for sustainable energy generation. Verditek Solar provides complete solar solutions for sectors such as transport of perishable goods, EV charging stations, pre-engineered roofing of industrial/commercial buildings, military, emergency relief and peace-keeping forces, mining and construction camps, hotels and luxury glamping, residential roofing, schools and recreational spaces, and off-grid telecommunication towers.

Ravinder Shan
Chief Sales Officer
ravinder@verditek.com
+44 (0) 73404 98332

23. London Cleantech Cluster

The London Cleantech Cluster was launched in 2012 in order to provide a platform and support for the successful development of cleantech businesses and to facilitate the deployment of sustainable products and services throughout the Greater London region. The principal aims of the cluster are: to achieve higher growth for existing cleantech companies and develop more new cleantech businesses; to attract more cleantech companies and new investment from overseas and 3. to increase adoption of sustainable solutions across the region. This is achieved through a number of

programmes and special interest groups, including the free mentoring programme, and activities supported by the Diamond Members.

Clive Hall

Founder

cjh@eventuremedia.co.uk

020 8870 9345

www.londoncleantechcluster.co.uk

24. Planet Ark Power

Planet Ark Power is a leading Australian renewable energy technology company focused on enabling the rapid decarbonisation of energy networks around the world. Our expertly engineered, innovative systems reduce businesses' grid-supplied energy and demand charges, replacing them with clean solar power, battery storage, and world-leading microgrid technology solutions. EleXsys - our unique Ai based micro-grid forming platform enables the dispatch of up to 13 times more distributed renewable energy into energy networks and at lower cost than energy from large, remotely located solar and wind farms. Network owners can delay indefinitely the need to upgrade network infrastructure to keep pace with growing distributed energy resources generation. Businesses benefit from realising new revenue streams from the safe export of surplus energy to the grid without causing voltage volatility making optimised rooftop solar across large commercial rooftops attractive, bankable investments.

Andrew Jennings

European Investor Relations

Planet Ark Power

andrew.j@planetarkpower.com

07500 833163

25. Airex

Airex is an IoT-enabled smart home solution that helps improving the fabric energy efficiency of the home, whilst managing moisture and indoor air quality. It is essentially an 'intelligent air brick' that replaces traditional air bricks. Its in-built sensors monitor and analyse the environmental conditions and its cloud based algorithms automatically regulate airflow. As a result, the system improves residents' thermal comfort, reduces their energy bills and protects their health. Airex is approved by Ofgem as 1 of the handful innovative technology companies to be adopted under the Energy Company Obligation (ECO3) scheme.

26. Avgo Biotech Ltd

Avgo exploits jointly held technology developed with Nottingham Trent University (NTU) to valorise eggshell waste. Toxic Heavy Metal contamination of calcium carbonate supplied to the Pharmaceutical industry presents an opportunity of £100m in Europe, through supplying "clean" material from a sustainable and local source. This will provide a turnover of >£5m, in 5 years (CaCO₃), with a gross margin of >70%. The company plans a trade sale in 5 years, where we value the company at >£10m.

Avgo Biotech requires funding of £550k, to complete commercial / technical validation to build a demonstrator plant.

Andrew Stacey
andrew@recegg.com
07802 888742
www.rec-egg.com

Innovate UK Faraday Battery Challenge Projects Showcase

Exhibitor headings:

Stand no. Organisation name

Project title

Project no, project funding round, start and end dates, total project costs

27. Flint Engineering

Conceptual Feasibility of a Heat Pipe as a Structural and Thermal Member in an Automotive Battery Pack Design

133371, Faraday Battery Challenge: Innovation Feasibility Studies – Round 1, 1/1/2018 to 31/12/2018, £505,047

Flint Engineering is a research and development company working on applications for its patented Carbon reducing Heat Mat technology. Products developed using the heat mat include, building panels H2020 and DECC projects, Commercial Refrigeration with Innovate UK and Electric vehicle battery packs with Faraday 3. In all cases the developed solutions have been shown to be significantly better performing and or lower cost than the existing offerings.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=133371>

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28. CPI

LiNaMan - Sodium Battery

133722, Faraday Battery Challenge: Innovation Feasibility Studies - Round 2, 1/11/2018 to 31/10/2019, £234,438

CPI acts as a catalyst bringing together academia, businesses, government and investors to translate bright ideas and research into the marketplace. We do this by connecting our customers with the right experts, equipment, facilities, networks, funding and more – joining the dots for effective innovation. We are a leading independent technology innovation centre and a founding member of the UK Government's High Value Manufacturing Catapult. Established in 2004, our teams tirelessly apply their many years of experience to ensure that every great invention gets the

best opportunity to become a successfully marketed product or process. We work with our partners across diverse markets in the UK and around the world, driving their innovations forward and helping them to reduce the risk and cost associated with product development.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=133722>

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29. Powervault

Second Life Lithium-Ion: Recovery, Reconfiguration and Re-use (Li.2)
104171, Faraday Innovation Batteries Phase 2 - Growth - MM R3, 1/04/2018 to 30/09/2019,
£421,248

Powervault 3 is an intelligent battery system for the modern smart home, designed to maximise energy efficiency and value for the customer. *Powervault 3* can reduce customers' electricity bills by up to 50% by storing solar energy during the day and discharging it in the evening. *Powervault 3* can also charge from the grid, which means it can store cheap, off-peak electricity. Customers on 'smart' time-of-use tariffs can save an additional 15%* on their energy bills by storing low-cost electricity and discharging it at peak time. Capable of reducing CO₂ emissions by >300kg/p.a. in the average U.K. home, *Powervault 3* is designed to enable customers to become more energy independent and reduce their reliance on electricity supplied via the grid.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=104171>

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30. Lina Energy

LiNaMan - Sodium Battery
133722, Faraday Battery Challenge: Innovation Feasibility Studies - Round 2, 1/11/2018 to
31/10/2019, £234,438

LiNa Energy Ltd 'LiNa' was founded in 2017 and is a high-growth, start-up company spinning out of Lancaster University (LU) commercialising proprietary sodium battery technology. LiNa is applying its extensive knowledge and experience of high-tech materials engineering acquired in the fuel cell industry, to modernise and improve the cost and performance profile of established sodium-nickel chloride battery chemistry. LiNa's battery platform design and manufacture maintains all of the significant safety and supply-chain advantages of the chemistry; namely a completely non-flammable, fail-safe system, containing zero lithium and critically zero cobalt, whilst obviating all of the performance, cost and mass manufacturing limitations that held back previous commercial iterations. Conservative extrapolation of the performance and cost profile of LiNa's technology points toward a mass-manufactured, commercial battery platform capable of rapid charging with 3x

the volumetric energy density (kWh/l), and 2x the gravimetric energy density (kWh/kg), of incumbent state-of-the-art Lithium ion platforms, at circa 30% of the cost (well below \$100/kWh). Aligning with the two global mega trends of electrification of transport and decarbonisation of energy, LiNa's two primary target markets are Electric Vehicles (EVs) and utility-scale storage of intermittent renewables, and it has early dialogue with commercial partners in both. LiNa has been awarded £1.25m (net £0.75m) over 2 UK grant awards since inception, and recently closed its second seed equity funding round, which was oversubscribed raising £1.65m to give a post-money valuation of £7.65m.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=133722>

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Mark Boland (Company Secretary)	mboland@lina.energy	07383 821229

31. CDO2

Current Density Imaging in EV battery modules

133724, Faraday Battery Challenge: Innovation Feasibility Studies - Round 2, 1/09/2018 to 31/08/2019, £455,272

CDO2 has developed a new generation of tools for analysing the current flow in battery cells and packs. These are being used by battery researchers to safely improve the energy and power density of their products. We are also developing systems to monitor the flow in individual cells in a battery pack and to improve the detection of faults during battery manufacture. Our work is supported by Innovate UK and the Advanced Propulsion Centre.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=133724>

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Innovate UK Energy Catalyst Projects Showcase

32. Polysolar Ltd

OTHELLO (Optical Transfer of Heat with Electrical and Light Output)

104002, Energy Catalyst - Mid Stage Round 5 (CR&D), 1/3/18 to 30/11/19, £562,795

Photon Engineers Ltd (Renamed Palliser Engineers)

Polysolar Ltd

Swansea University, including the Centre for Solar Energy Research and SPECIFIC

University of Exeter

Absotherm Services

The project entails the development and integration into a building façade of glazing of transparent thin-film photovoltaic glass with concentrated optical solar thermal collectors and long term heat storage for high-grade heat recovery, suitable for cooling applications in buildings. This then provides clean renewable heating, cooling and power for a zero carbon building.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=104002>

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33. Sun Harvester Ltd

Lego with Batteries - Flexible, Modular Storage for Remote Communities

105266, Energy Catalyst Round 6: Transforming Energy Access FS, 1/6/19 to 31/5/20, £298,740

The Zhyphen Block will disrupt the mini-grid market by reducing the levelised cost of electricity (LCOE) by up to 30% compared to comparable systems. Mini-Grid installations cost over \$100K leaving a huge unserved market. Our solutions start from just \$10K with flexibility & easy scalability, including 3phase. Unlike comparable existing systems, which rely on expert installation or support, we offer “all-in-one” turnkey power with advanced battery management systems. Our unique system architecture enables units to be easily connected to solar, wind or the grid.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=105266>

Chris Stack

Director

Sun Harvester Limited

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34. Gommyr Power Networks Ltd

eStreet - Microgrid-powered Business Zones for the Democratic Republic of Congo

105270, Energy Catalyst Round 6: Transforming Energy Access FS, 1/7/19 to 30/4/20, £124,046

Gommyr Power Networks Ltd

IPX Extenso DRC SA

eStreet is a transformative renewable-microgrid powered business zone for off-grid and poor-grid communities in Africa. eStreet provides professional business premises with all key business services including reliable power, clean water, communications, maintenance and security to enable businesses to succeed in underserved off-grid communities. eStreet is based on a robust solar-battery microgrid energy system located on-site that allows autonomous operations and delivers high-quality and reliable power for productive use.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=105270>

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35. Charm Impact Ltd

Omni Impact Investments
105271, Energy Catalyst Round 6: Transforming Energy Access FS, 1/6/19 to 31/5/20, £112,081

This feasibility study is enabling the research and development of a peer-to-peer impact investment platform to provide debt capital to early stage entrepreneurs deploying clean energy innovations within Sub-Saharan Africa and South Asia.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=105271>

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36. Kew Projects Ltd

Project Alpha - Innovative Derisking Strategy for Renewable Energy for Sub-Saharan Africa
105276, Energy Catalyst Round 6: Transforming Energy Access CR&D - Mid Stage, 1/7/19 to 30/6/21,
£559,291

KEW Projects Ltd
University of Birmingham

Kenya, like many Sub-Sahara African countries, has a demand for clean, cheap domestic/industrial energy sources to displace the current expensive, fossil-reliant, unreliable and polluting fuels. KEW is a UK-based company with an innovative thermal conversion technology that can deliver cost-effective bioenergy for these sectors while addressing the energy trilemma. The project will deliver focused industrial research that builds on feasibility work already carried out to overcome significant practical barriers to the deployment of the technology.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=105276>

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37. Water Powered Technologies Ltd

Distributed pumped micro-hydro for transforming energy and water access
105278, Energy Catalyst Round 6: Transforming Energy Access CR&D - Mid Stage, 1/7/19 to
31/12/20, £690,017

Water Powered Technologies Ltd
Strathclyde University
World Vision
Polypipe Plc

Water Powered Technologies Ltd's range of patented 'zero carbon' pumping systems already help 1000s of farmers and communities worldwide to pump and store flood water, ready to be used when drought returns. Under an exciting DFID funded programme, dozens of WPT's award winning Papa pump units will be installed in several sites across Southern Africa to help these communities become more climate resilient by doubling crop yields and supporting female employment. Water Powered Technologies is being supported to develop a new ancillary so that the Papa pump will operate even in dry season. To help scale this project globally, key academic partner, Strathclyde University, is completing a CPD course on 'zero carbon' water management to help many other communities evaluate and deploy the award winning Papa pump systems to move flood water to where it can be stored ready for drought.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=105278>

Hugh Swire, Commercial Director
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38. Mobile Power Ltd

Pilot to demonstrate scalability of Mobile Power's Technology: Delivery of power to 15 Villages in Sierra Leone
105283, Energy Catalyst Round 6: Transforming Energy Access CR&D - Late Stage, 1/6/19 to 31/5/21,
£987,873

Mobile Power
Winch Energy
World Hope International

Mobile Power has designed and tested an energy distribution ecosystem that supplies clean, affordable electricity to African off-grid households using a smart battery pay-as-you-go rental system. The collaboration of Mobile Power, Winch Energy and World Hope International aims to understand the fastest way to scale Mobile Power's innovative technology and business model with the aim of speeding up access to clean power to African off-grid communities.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=105283>

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39. Vacated

40. Trusted Renewables Ltd

Daedalus: Reaching the Sun with Smart Solar Panels
132705, Energy Catalyst - R4 Early Stage (FS), 1/1/17 to 31/3/18, £297,387

Trusted Renewables Ltd
University of Hertfordshire
Active Development Ltd

Project Daedalus produced prototype smart solar panels using a smart card operating system supported by MasterCard. These contain embedded tamper-resistant chips which deliver affordable energy in new ways. Each panel can become 'blockchain oracle' which certifies renewable energy produced, cross-referenced to a registered location and unique digital identity. Adding low-cost satellite connectivity means they can be tracked 'anywhere' in the world with millions recorded on a distributed ledger and panels can be deactivated if fraud is suspected.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=132705>

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41. Aceleron Ltd

Project Zero Emission Vehicle Battery Remanufacturing for Energy Storage Applications (Project Zebra)
132718, Energy Catalyst - R4 Early Stage (FS), 1/4/17 to 31/3/18, £246,315

Aceleron
Blue Vine Consultants
Alp Technologies

Growing market rollout of EVs has created a waste management challenge associated with end of life (EoL) lithium ion batteries. This project looks to: i) upscale the demonstrated consumer battery reuse testing and manufacturing process to handle automotive Li-ion batteries; ii) Investigate the innovative and economic feasibility of the project process of battery remanufacturing and iii) demonstrate the remanufactured battery packs in one of the potential applications.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=132718>

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42. GridDuck

Creating virtual demand response assets using predictive modelling and machine learning algorithms, with special application to Thailand
132960, Energy Catalyst Round 4 - Early Stage ISCF, 1/2/18 to 31/3/19, £182,814

GridDuck
Chulalongkorn University (Bangkok)
I-ON Communications (South Korea)

We have completed a project to trial a Demand Response (DR) intervention with air conditioning units in offices and apartments. The air conditioning compressors were equipped with GridDuck's wireless relays to be able to switch them quickly on and off. Demand Response commands were sent using the OpenADR protocol from I-ON's control centre in Seoul. A questionnaire (pre- and post-trial) was developed by Dr Tongsovit Sopitsuda (UC Davis). The installations were performed by technicians from Chulalongkorn University. The academic leads were Dr Tanagorn Jenawasin and Assistant Professor Surachai Chaitusaney.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=132960>

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43. Scene Connect Ltd

Establishing Mutually Beneficial Local Energy Markets (EMBLEM)
133216, Energy Catalyst - Early Stage - Round 5, 1-1-18 to 31-12-18, £298,810

Scene Connect Ltd
Swanbarton Limited

Establishing Mutually Beneficial Local Energy Markets (EMBLEM) tested the feasibility of a pioneering energy trading system for local energy economies that aims to be a cost-effective demand-response solution which simultaneously reduces energy consumer bills and increases the affordability of renewable energy assets. Designed for the Global South, EMBLEM integrates Scene Connect's Cloud Solar, an off-grid energy metering and control hardware, and Swanbarton's Smart Trading platform to deliver an innovative product, tested on the island of Iona.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=133216>

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44. Connected Energy Technologies Ltd

Establishing Mutually Beneficial Local Energy Markets 2 (EMBLEM 2)

105274, Energy Catalyst Round 6: Transforming Energy Access CR&D - Mid Stage, 1/5/19 to 31/5/21, £800,700

Scene Connect
Connected Energy Technologies
Swanbarton
Gham Power
Dassy Enterprises

EMBLEM 2 is exploring the benefits of peer-to-peer energy trading two novel ways, with sites in Nepal and Rwanda. The first P2P market is an 'evolving' DC nanogrid for rural off-grid areas that can grow as and when end users choose to invest in new generation, storage and demand appliances. The second P2P market is AC on-grid urban locations where there are significant network constraints and the cost of adding renewable energy is significant.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=105274>

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45. Entrust Smart Home Microgrid Ltd

Entrust Smart Home Microgrid
133218, Energy Catalyst - Early Stage Round 5 (FS), 1/12/17 to 28/2/19, £97,268

Smart hybrid DC/AC technology can deliver up to 98.2% efficiency for space heating, hot water heating, air conditioning, water pumping and EV charging. This allows for smart microgrid solutions supporting off-grid and on-grid applications. Renewable electricity (wind and solar PV) outputs is DC current. Our technology can use DC current to power devices (e.g. hot water heating) without conversion losses. This allows for maximum use of renewable electricity whilst also having a back-up grid (AC) supply.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=133218>

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BEIS Energy Entrepreneurs Fund Showcase

46. Axis Energy Projects Ltd

Axis Energy Projects is a company specialising in the design and delivery of offshore moorings, foundations and loading systems. There is an urgent need to de-carbonise and to produce

increasing amounts of clean, renewable, energy. If the success of offshore wind is to continue, deeper waters will need to be accessed. Some 80% of the offshore area available for wind power generation is in water depths too deep for seabed fixed turbines and so floating solutions become necessary. Axis has developed a robust, safe, stable, environmentally friendly and cost-effective solution for mooring the largest floating wind turbines in any realistic offshore metocean condition.

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47. Melius Homes

Melius Homes is an award-winning, forward thinking business, providing a unique and innovative approach to tackling the desperate need for high quality, affordable homes whilst addressing the urgent need to reduce carbon emissions and energy demand. We design, fabricate and construct low carbon new homes and transform existing dwellings using factory manufactured and precision engineered structural timber panels.

Better Living. Transforming communities and improving lives.

Shane Balmer
Senior Communications Manager
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48. Solar Flow

Solar Flow is an Imperial College London spin-out company that has been formed to develop and commercialize a novel, award-winning solar-panel technology based on a next-generation affordable and high-performance heat and power concept. The patent-pending Solar Flow panel features a unique spectral-splitting design that sends part of the sunlight that does not produce electricity to heat a fluid, thus avoiding unnecessary heating of the PV cells and maintaining them at cooler temperatures.

49. StorTera

StorTera is an innovative energy storage solutions provider with a number of Government funded projects and clients in a range of sectors in the UK, Asia and Canada. We are developing novel energy storage technologies along with intelligent controls and software. Our main development is the single liquid flow battery, due to launch in 2021, it will be very economical as well as having a long lifetime (>20 years), quick response and the ability to provide long duration energy. We currently offer the StorTower, a comprehensive battery and hybrid inverter solution that comes with our Tri-layer artificial intelligence controller (TRAICON). The system can manage renewable energy, battery, grid import/export and provide UPS in suitable conditions. The TRAICON optimises energy use according to user behaviour and preferences as well as grid and weather conditions.

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50. CEAD

CEAD has developed the novel CoERCe technology based on polymer material and Pressure Swing Adsorption (PSA) that provides a solution for CO₂ capture in a cost effective way with low operating energy. CEAD has an experienced team that successfully researched and developed this technology to field demonstration stage.

CEAD also provides technical solutions and appropriate technology to support:

- Data & Telecommunications centres – specialising in thermal management, cooling solutions and heat energy recovery
- Clean technology and environmental sustainability sectors – providing novel thermofluids engineering expertise
- Aerospace and automotive sectors – specifically energy efficiency and exhaust gas CO₂ emissions removal

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Posters

Companies presented in the Poster Exhibition:

2DHeat Ltd	Propelair
3stepIT	ReNew ELP Ltd
Aceleron	RheEnergise
Airex	Rosh Engineering
Alert Technology	Siemens
Avgo Biotech Ltd	Simplifai Systems
Axis Energy Projects Ltd	Solar Flow
BeeOdiversity	Solar Water plc
BOC	South East Water
Bramble Energy	Steamology
CEAD	StorTera
Charm Impact	Stuffstr
City University of London	SwitchDin
CL:AIRE	Tata Steel Europe Ltd
Clean Power Hydrogen Group	Teng Hoi Conservation Organisation
Dynamon	The Sure Chill Company
Emsol	TISICS
Energy SRS Ltd	Too Good To Go
Entrust Smart Home Microgrid Ltd	Vertsun SAS
EWPanel	Village Infrastructure Angels
FeTu Ltd	
First Light Fusion	
Garcon Wines	
Gegan Solutions Ltd	

GridDuck
GRIDSERVE Sustainable Energy
Igloo Energy
Intelligent Growth Solutions
Johnson Matthey
Johnson Matthey & BP
Melius Homes
Mobile Power Ltd
Moltex Energy
Morris Site Machinery
Nottingham University
Nuron
NVP Energy
Offshore Survival Systems
Offshore Wind Logistics & Construction
Oxford PV
Phycofeeds Ltd
Pilot Group Infrastructure
Planet Ark Power
PlantGrow
Polysolar
Powerstar
Promethean Particles

Partner: London Community Resource Network



London Community Resource Network (LCRN) is a social enterprise charity supporting organisations and communities working to

manage resources sustainably, especially through waste prevention, reuse and recycling. We have a strong track record of local, regional and national delivery influencing policy, building capacity, delivering sound business support, advising local authorities, housing associations, SMEs and the public. We connect community groups, charities and businesses all working towards responsible resource management and provide them with best practice, training, environmental audits, publicity and other services.

Partner: Circular Economy Club



The Circular Economy Club (CEC) is the international network of over 2,600 circular economy professionals and organizations in over 60 countries. CEC's activity is non-profit, global and open, anyone can join the club online for free. The club exists to connect professionals, spur collaboration, and solve challenges collaboratively because together we can have a higher impact. CEC Members can run the CEC activities in their cities by applying to the CEC Local Organisers program, Members can mentor start-ups by applying to the CEC Mentors program, or can participate in global challenges that the club sets up regularly.

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Sponsors: Shoosmiths LLP

SHOOSMITHS With over 1,600 staff, 200 partners and 11 offices, Shoosmiths is one of the largest

independent law firms in the UK. It is well-known for its work in energy, renewables and infrastructure, which is one of the firm's core sectors. The firm acts for numerous SMEs, investors, funds and government-backed entities in this field. This includes: numerous EEF-funded SMEs (as formal legal advisor to the EEF incubation services consortium, appointed by BEIS), the Connected Places Catapult (incorporating Future Cities and Transport Catapults), and the manager of the National Digital Infrastructure Fund. What sets Shoosmiths apart is its pragmatic, accessible and friendly approach, and its use of AI and innovative solutions, to assist and support its clients at whatever stage and size of their business. Shoosmiths was awarded the 2018 National Law Firm of the Year (at the Legal Business Awards) and the 2019 Corporate and Commercial Firm of the Year in the field of venture capital (at the Legal 500 Awards).

Sponsors: London South Bank University



London South Bank University (LSBU) works with early stage start-ups and established SMEs to help them innovate, grow and maximise the commercial potential of their clean tech technologies. Our dedicated Sustainable Innovation team focuses on building collaborations between academic experts and SMEs to create low carbon solutions. We provide fully-

funded support and grants to help London businesses with product development, as well as business and funding support. Utilising £4 million of ERDF funding, we ensure our services are tailored to the needs of your business. You may find out more details about our services via the following link: <https://www.sustainableinnovators.com/>.

Sponsor: Granted Consultancy Ltd



We are Granted Consultancy, an experienced team of UK and EU grant funding specialists. Granted has the expertise to manage the full range of non-dilutive funding options -our grant writing, project management, training and tax credit services allow you to focus on your business. Our sectoral experience spans across Advance Manufacturing, CleanTech, Digital, Future Transport, Health & Life

Sciences, Robotics & AI and Tech. Since 2010 we have developed a demonstrable track record of successfully securing funding and to date have secured over £75m of UK and EU grant funding for a number of R&D projects. At Granted we thrive on learning about new technologies and innovative business models, so if you have an ambitious project get in contact with our team to give your business the best chance of securing grant funding.

Headline Sponsor: Innovate UK



**Innovate
UK**

Innovate UK is part of UK Research and Innovation, a non-departmental public body funded by a grant-in-aid from the UK government. For more information visit www.ukri.org.

Innovate UK drives productivity and economic growth by supporting businesses to develop and realise the potential of new ideas, including those from the UK's world-class research base. We connect businesses to the partners, customers and investors that can help them turn ideas into commercially successful products and services and business growth. We fund business and research collaborations to accelerate innovation and drive business investment into R&D. Our support is available to businesses across all economic sectors, value chains and UK regions.

Sponsor: Department of Business, Energy & Industrial Strategy



The Department for Business, Energy, and Industrial Strategy (BEIS) brings together responsibilities for business, industrial strategy, science, innovation, energy, and climate change. We are building an economy that works for everyone, so that there are great places in every part of the UK for people to work and for businesses to invest, innovate and grow. As the lead department on energy and climate change, energy efficiency and reducing energy use is central to our culture and values. Our priorities for Clean Growth and Industry were set out in our Clean Growth Strategy in October and our Industrial Strategy in November 2017.

Sponsor: Carbon Limiting Technologies



Carbon Limiting Technologies (CLT) works with industry and government to commercialise low carbon innovations and accelerate clean growth. Since 2006, we have worked with over 350 low carbon innovators to help them commercialise new technologies. We advise on product development, business planning, market engagement and investment readiness. We also facilitate industrial partnerships between large corporates and SMEs by helping them find, select and partner with the most promising companies. As a trusted delivery partner for Government, CLT develops and manages multi-year incubation programmes, including leading BEIS's £72m Energy Entrepreneurs Fund since 2012. Through the FCO and DIT, CLT helps UK businesses increase trade by analysing global markets and matching skills at home with needs abroad.

Sponsor: Venner Shipley LLP



Venner Shipley is a leading full service intellectual property firm covering all aspects of patents, trade marks, designs, dispute resolution and other intellectual property-related legal services. With offices in London, Cambridge, Guildford, Manchester and Munich, we are a modern forward-thinking firm representing a wide variety of clients including major domestic and international corporations, SMEs, high growth start-ups, universities and research institutions as well as individual inventors at the forefront of technology and innovation. This means that our experts deal with a hugely diverse and constantly evolving range of intellectual property issues with specialist teams in electronics, engineering, chemistry, pharmaceuticals as well as biotech.