

Rushlight *Show*

2019

The Royal Society, London

Wednesday 30 January 2019

Exhibition, including the **Innovate UK Clean Growth & Infrastructure Systems Showcase** and the **Poster Show**

Cleantech Conference, incorporating the **Innovation Showcase** and the **Sustainable Solutions Market Panel**

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

UK Transport Energy Breakfast Seminar

Networking lunch; Investors' Exhibition Tour

Headline Sponsors:

Innovate UK

Sponsors:



A warm welcome from Eventure Media Ltd

Welcome to this 10th year of the 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 Transport Energy Breakfast & Seminar awaits your arrival for those specifically registered for it. Claire Perry, Minister of State for Energy & Clean Growth, BEIS is due to give her address after the seminar at 10.00 and it has been designed so that all the UK Transport Energy Seminar delegates can stay to hear her and all the other Show delegates can join the conference by 10am to hear her too.

There then follow two conference streams: Cleantech Conference and the Resourceful Conference, 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 City of London Room 1 and Marble Hall and I do encourage you to use this time to go around the Exhibition. At 13.30 and 15.30, 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 gain from the experience of others in their pursuit of a sustainable future for their operations and communities.

Venner Shipley's Intellectual Property lawyers have offered a free initial consultation to all attendees. If you would like to discuss this offer you can find them throughout the day in the City of London Room 1, stand 2 or feel free to contact Valeriya S'Omina at VSOMina@vennershipley.co.uk.

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
CEO, Eventure Media Ltd

Summary of the Show

7.45 – 8.30	UK Transport Energy Breakfast in the Marble Hall & Kohn Centre
8.30 - 10.15	UK Transport Energy Seminar in the Wellcome Trust Lecture Hall
9.00 - 11.30	Exhibition in the City of London Rooms and Marble Hall
10.00 – 17.00	Cleantech Conference in the Wellcome Trust Lecture Hall
10.25 – 16.45	Resourceful Conference in the Kohn Centre
11.15 - 11.30	Mid-morning teas/ coffees in the City of London Rooms and Marble Hall
13.00 – 14.00	Lunch available in the City of London Room 1 and Marble Hall
13.30 - 14.00	Investor Tour through Exhibition
15.20 - 15.35	Mid-afternoon teas/ coffees in the City of London Rooms and Marble Hall
17.00	Close

Food and drink

For those registered for the UK Transport Energy Breakfast Seminar, breakfast is available in the Marble Hall & Kohn Centre from 7.45 until 8.30 sharp.

Coffee and tea will be served at the mid-morning and mid-afternoon break times in the City of London Room 1 and the Marble Hall.

Lunch, including fish and vegetarian options, will be available as a buffet in the City of London Room 1 and the Marble Hall from 13.00 until 14.00.

Food and drink can be taken into the Wellcome Trust Lecture Hall and the Kohn Centre and other rooms throughout the day.

UK Transport Energy: Analysis & Vision - Wellcome Trust Lecture Hall

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

- Chair: **Richard Postins**, Prova
- 8.35 Opening remarks: **Richard Postins**, Prova
- 8.40 Overview of the Transport Energy transition – **Bob Moran**, Head of Environment Strategy, Department for Transport
- 9.00 Preparing for Electric Vehicles – **Philip New**, CEO Energy Systems Catapult & Chair Electric Vehicle Energy Taskforce
- 9.15 Panel discussion and Q&A, chaired by **Philip New** and involving:
Bob Moran, Head of Environment Strategy, Department for Transport
Andy Eastlake, Managing Director, LowCVP
Wendi Wheeler, Energy & Carbon Strategy Manager, Network Rail
Andrew Stephens, Executive Director, Sustainable Shipping Initiative
Neil Robinson, Chair, Sustainable Aviation and CSR Director, Manchester Airport
- Chair: **Beverley Gower-Jones**, CEO, Carbon Limiting Technologies and Chair of BEIS Energy Entrepreneurs Fund Grants Commercial Panel
- 10.00 **Claire Perry, Minister of State, BEIS**
- 10.15 UK Transport Energy Seminar delegates leave the theatre for the Exhibition
- 11.00 Event closes for delegates who are registered for just the UK Transport Energy event

Cleantech Conference - Wellcome Trust Lecture Hall

Chair: **Beverley Gower-Jones**, CEO, Carbon Limiting Technologies and Chair of BEIS Energy Entrepreneurs Fund Grants Commercial Panel

10.00 **Claire Perry**, Minister of State for Energy & Clean Growth, BEIS

10.25 **Mike Pitts**, Deputy Challenge Director: Transforming Construction, UKRI

Cleantech Innovation Showcase - Presenting companies:

10.35-11.15 Panel 1 Chair: **Beverley Gower-Jones**, Carbon Limiting Technologies

Carbon Cycle, David Sevier

Helios 7 Energy Systems, John Jackson

Newcastle Univ, Andrew Smallbone

Marine South East, Simon Powell

Vulcanaer, Averil Horton

Moltex Energy, Simon Newton

Ripple Energy, Sarah Merrick

Lateral Logic Ltd, Robin Young

11.15 BREAK & EXHIBITION

11.30-12.45 Panel 2 Chair: **Tom Kennard**, Granted Consultancy Ltd

11.35 - 11.45 **Frederik Loeckx**, Managing Director, Flux50

Simplifai Systems Limited, Keith McCabe

Scene Connect, David Jones

Green Eco Technologies, Belinda Basson

Petit Pli, Ryan Mario Yasin

Zeetta Networks, Vassilis Seferidis

Aurelius Environmental, Miles Freeman

Lynkeos Technology, David Mahon

Wind Farm Analytics, Theo Holtom

OrxaGrid, Akshat Kulkarni

Grid Smarter Cities, Neil Herron

PMW Technology, Paul Willson

12.50-13.00 **Carine Van Hove**, CEO, Industry-West-Europe

13.00-14.00 LUNCH & EXHIBITION

14.00-15.20 Panel 3 Chair: **Peter Thorniley**, Venner Shipley LLP

Fuel Cell Systems, Beth Dawson

PyroGreen Innovations, Alaric Bozza

Trojan Energy, Ian Mackenzie

Yellow Bike, Patrick Darlington

Forev Ltd, Lindsay Wallace

Citi Logik Ltd, Simon Christopher

Enertechnos, Dominic Quennell

Entrust Microgrid, Xiongwei Liu

Levstone Limited, Simon McGraw

Travel Ai, Peter Lindgren

bio-bean, George May

Samad Power, Ali Norouzi

Verv, Alex Nicholson

Recycling Technologies, Ravish Jain

Anakata Wind Power Resources Ltd, Ben Wood

15.20 BREAK & EXHIBITION

15.35-17.00 Panel 4 Chair: **Simon Bryars**, Partner, Everoze

Andrew Griffiths, Nestle

Victoria Hughes, Vinci Facilities

Cian Hatton, Whitbread

Henry Majed, Innovation Gateway

TBC, NHS

Presenting companies:

Harsonic, Mieke Harteel

Liquisol, Tom Huysmans

Quensus, Dan Simmons

ITM Power Plc, Catherine McDougall

Leanpath, Tom Mansel

NVP Energy, Michael Murray

Photonomi, John Quinn

Rotaheat, Robert Thompson

Intrepid Minds, Adam Smith

Bri-Tek Technologies, Mohamed Hanslod

iGeolise Ltd, Peter Lilley

Fixed audience investor panel:

Andrew Wordsworth, Sustainable Venture Development Partners

Emma Fadlon, KTN

Gavin Taylor, Mitsui

Lucy Rands, ETF Partners

Catherine Semmens, Eon

Nick Goddard, Factor[e] Ventures

Henri Songeur, Puma Investments

Jim Totty, Earth Capital

Alex Gilbert, TfL and independent investor

Ali Naini, Turquoise International

Julian Renz, SYSTEMIQ

John Williams, Sinvestec

Vitaly Lazorin, Future Matters Venture Capital

Ian Cooke, EMV Capital

Tristan Lloyd-Baker, Seismic Ventures

Edo Salvesen, Finstock Capital

Liena Vilde, National Grid Ventures

William Herlinger, Amber Infrastructure Ltd

Aruna Ramsamy, OGC Climate Investments LLP

Matias Torrellas, InnoEnergy

Andy Scullard, Johnson Matthey

Sandra Eager, BP Technology Ventures

John Bromley, Legal & General Capital

Cindi Choi, Total Energy Ventures

Resourceful Conference - Kohn Centre

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

10.30 Keynote: **Sandy Martin**, Shadow Minister for Waste & Recycling

10.45 **Julie Hill**, Chair, WRAP in discussion with **Sandy Martin**, Shadow Minister for Waste & Recycling and Q&A

11.15 BREAK

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

11.50 Keynote: UK Circular Plastics - **Sally Beken**, Knowledge Transfer Manager - Polymers; Plastics & Elastomers, KTN

12.10 Panel

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

Sally Beken, Knowledge Transfer Manager - Polymers; Plastics & Elastomers, KTN

David Warren, Head of Circular Economy Economic Policy, Welsh Government

Prof Edward Kosior, CEO, Nextek Ltd

13.00 LUNCH & EXHIBITION

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

14.05 **Dr Fiona Charnley**, Senior Lecturer in circular innovation at the Cranfield Centre for Competitive Creative Design

14.20 The Clean Conscience Story – **Gwen Powell**, CEO Clean Conscience

14.30 The Watson & Wolfe Story – **Helen Farr-Leander**, CEO, Watson & Wolfe

14.40 The Furniture Recycling Group Story – **Nick Oettinger**, Managing Director, TFR Group

Panel Q&A:

Dr Fiona Charnley, Senior Lecturer in circular innovation at the Cranfield Centre for Competitive Creative Design

Gwen Powell, CEO Clean Conscience

Helen Farr-Leander, CEO, Watson & Wolfe

Nick Oettinger, Managing Director, TFR Group

15.20 BREAK

15.35 Keynote: **David Greenfield**, London Organiser, Circular Economy Club

15.50 Company presentations

Petit Pli, Ryan Mario Yasin

Rype Office, Greg Lavery

Newcastle Univ, Andy Smallbone

Recycle Coach, Creighton Hooper

Panel:

Jamie Butterworth, Partner, Circularity Capital (Chair)

Mervyn Jones, Sustainable Global Resources

Jim Harvey, Circular Economy Lead, Opportunity Peterborough

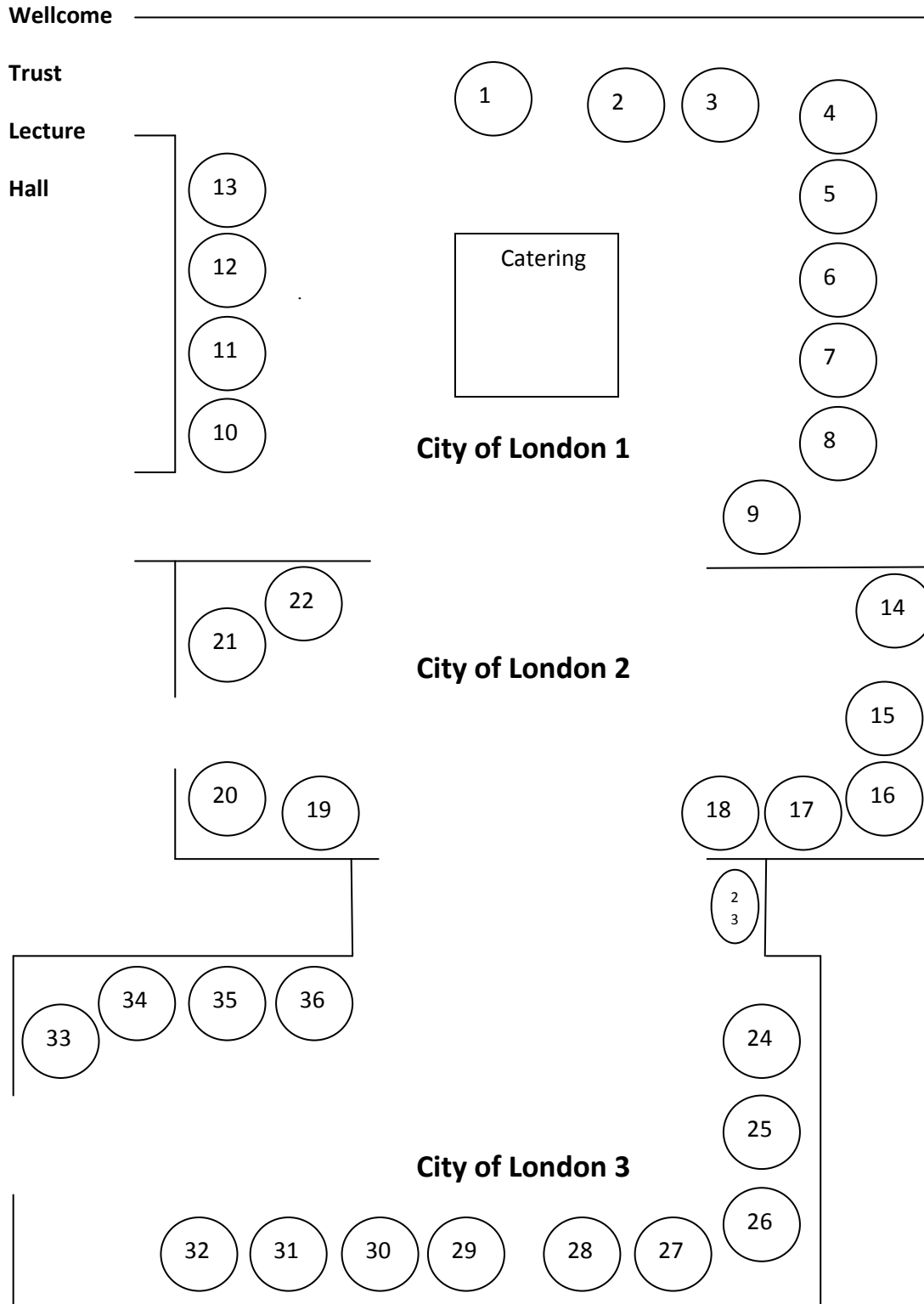
Emma Burlow, Head of Circular Economy, Resource Futures

Chris Grantham, Executive Director Circular Economy, IDEO

16.45pm Close

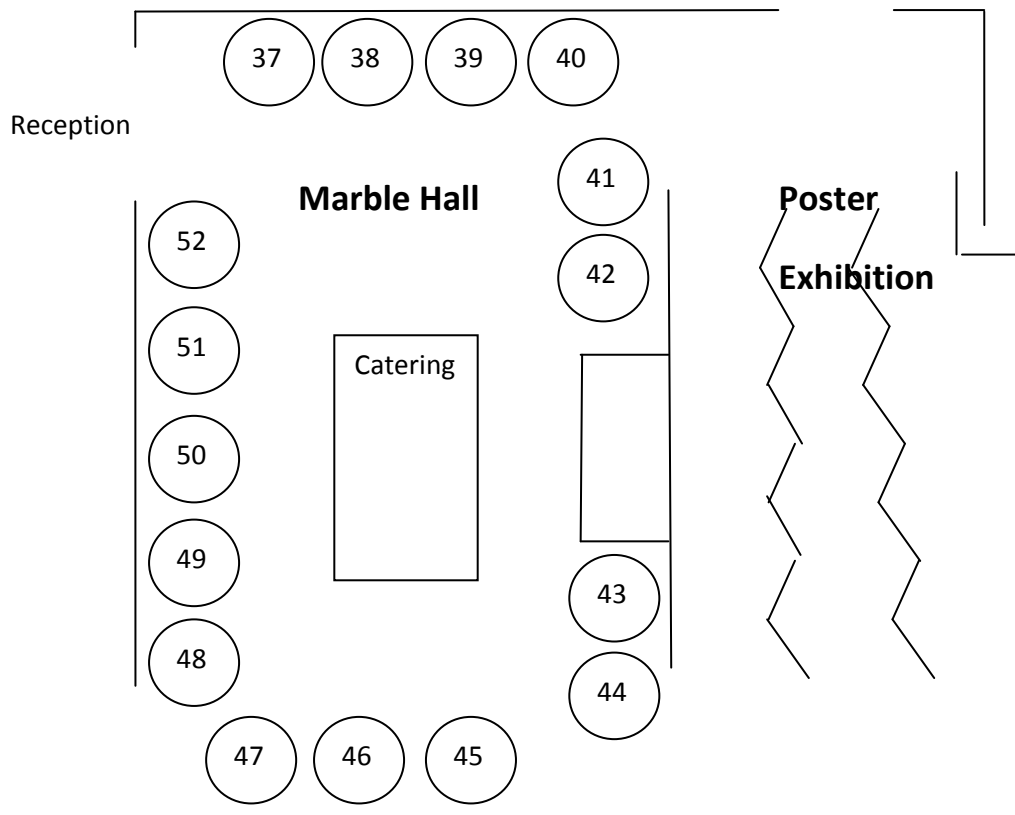
EXHIBITION

The Exhibition is in 3 parts: with one section in the City of London Rooms 1,2 & 3; the second section in the Marble Hall and then the Poster Exhibition outside the Kohn Centre, all on the ground floor.



Exhibition

Kohn Centre



The Exhibition includes the **sponsors**, 22 organisations in the **Innovate UK Clean Growth & Infrastructure Systems Showcase**, 4 companies from the **BEIS Energy Entrepreneurs' Fund**, other leading cleantech exhibitors and the Poster Show outside the Kohn Centre.

- 1 **Innovate UK**
- 2 **Venner Shipley**
- 3 **Everoze Partners**
- 4 **Flanders Investment & Trade**
- 5 **Granted Consultancy**
- 6 **Prova**
- 7 **Carbon Limiting Technologies**
- 8 Farm-Hand
- 9 SPECIFIC
- 10 **First Light Fusion**
- 11 **Cryofuel Energy Systems**
- 12 **PassivSystems**
- 13 **CoControl**
- 14 OrxaGrid
- 15 Newcastle University
- 16 Vulcanaer

17	Forev Ltd
18	Bri-Tek Technologies Ltd
19	Green Eco Technologies
20	Free Running Buildings
21	Wind Farm Analytics
22	Glasspower by PyroGreen Innovations
23	London Cleantech Cluster
24	University of Sussex / Moixa Technology / Sunamp / Durham University
25	Photonomi
26	Entrust Microgrid
27	Trojan Energy
28	P.A.K Engineering Ltd
29	Lightfoot
30	RheEnergise
31	Levstone Limited
32	Samad Power Ltd
33	Swanbarton Limited
34	Fuel Cell Systems
35	Verv
36	bio-bean Ltd
37	Grid Smarter Cities Ltd
38	Highview Power
39	iGeolise Ltd
40	Intrepid Minds
41	ITM Power
42	Simplifai Systems Limited
43	SenseCrete
44	Viridian Consultants Ltd
45	The Yellow Bike Company
46	Zeetta Networks Ltd
47	Petit Pli
48	Scene Connect
49	Enertechnos Ltd
50	Travel Ai
51	Lynkeos Technology Ltd
52	NVP Energy

Exhibition listings

Exhibitor headings:

Stand no. Organisation name/ project title

For Infrastructure Systems Projects only: Title in Innovate UK Directory

Project no, project stage, start and end dates for the project, and the total project costs

1. 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. Our aim is to support forward thinking UK companies to scale and grow by developing the technologies that will address challenges such as population growth, urbanisation, digitisation, and threats to the environment. We support risky business innovation that has high-growth potential and can transform our essential infrastructure. Last year, we invested more than £115 million in innovative projects in the fields of clean growth and infrastructure and in core funding for Offshore Renewable Energy, Future Cities, Energy Systems and Transport Systems Catapults and other centres. A selection of our innovators from our Clean Growth and Infrastructure portfolio are being showcased at Rushlight Show 2019.

David Elson
Senior Innovation Lead
Clean Growth and Infrastructure
David.Elson@innovateuk.ukri.org

2. 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

3. Everoze Partners

Everoze is an employee-owned renewables and energy storage consultancy. Our unique strength is bridging the gap between the technical and the commercial. We're a team of 40 consultants who are flexible, experienced and interdisciplinary. We're spread across Europe and active in energy markets throughout the world. We work closely with our clients to make projects, companies and technologies future-proof and financeable. We offer:

- Due Diligence on Demand: Working smarter to rapidly evaluate risk and opportunity.
- Project Support: Applying experienced eyes to improve asset performance and add value to project development.
- Strategic Support: Deploying effective people with the right industry know-how to address technical, commercial and strategic challenges.

Everoze Partners Limited
07376 978 475; contact@everoze.com; Twitter: [@everozepartners](https://twitter.com/everozepartners)

4. Flanders Investment & Trade

Flanders investment and Trade (FIT) is a government development agency at the Belgian Embassy. We provide confidential expert advice on doing business 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 get you in touch 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>

Ben De Smit
Economic & Commercial Counsellor
flandersinvestmentandtrade@flanders.co.uk

5. Granted Consultancy

Granted Consultancy specialises in identifying and securing UK and EU grant funding for ambitious businesses. Since 2010 we have directly unlocked projects worth £148m and are consistently generating a 25x ROI for our clients.

To understand if your project is suitable for grant funding please contact Alex Chalkley, Director, on alexc@grantedltd.co.uk or visit www.grantedltd.co.uk

6. Prova

Prova is the UK's leading environment, energy and clean technology communications consultancy. We're known worldwide for creating extremely powerful marketing campaigns that deliver commercial advantage and drive business growth. Whether building brand reputation, supporting new market entry or debating policy on a pan-European scale, no other PR firm has the same experience, knowledge or passion.

edwardw@provapr.co.uk
01926 776900
www.provapr.co.uk

7. 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

8. Farm-Hand

More than half the world's population will live in water stressed areas by 2030 up from just 16% in 2017. Agriculture accounts for ~70% of global freshwater withdrawals with 60% wasted due to inefficient irrigation - which also results in leaching of soil nutrients and significant decrease in crop yields. Farm-Hand works at the energy-water-food nexus as a technology partner to farmer aggregators to help their farmers improve farm productivity. Our first product – Water-Hand – is a low-cost smart precision irrigation hardware-software package, enabled by widespread mobile phone use, novel & market leading weather forecasting and IoT technology. Delivering the right volume of irrigation at the right time, Water-Hand increases crop production whilst reducing water, energy, fertilizer and labour. Field trials have returned a 60% reduction in water and energy needs and a 30% increase in crop yield. Previously grant funded, we are looking to raise £280K as part of our Seed A round.

Abhi Bhargava
Managing Director
abhi.b@farm-hand.in
[07449 317499](tel:07449317499)
www.farm-hand.in

9. SPECIFIC

SPECIFIC is a national Innovation and Knowledge Centre (IKC), led by Swansea University with strategic industrial partners Tata Steel, Akzo Nobel, NSG Pilkington and Cardiff University and more than 50 other partners from academia and industry. SPECIFIC's vision is to transform the world of energy by creating 'Active Buildings' that can generate, store and release solar energy. It is the only UK centre that is developing building-integrated solutions combining solar thermal and heat storage with photovoltaics and electrical storage. SPECIFIC and its partners support the commercialisation of disruptive technologies by taking the concept from research through to full scale demonstration. SPECIFIC is funded by EPSRC, Innovate UK and the European Regional Development Fund through the Welsh Government.

www.specific.eu.com
01792 606867
info-specific@swansea.ac.uk

10. First Light Fusion: Powering a world worth inheriting

Using the starting point of the only natural example of inertial plasma confinement, First Light Fusion is demonstrating a practical pathway to fusion energy, the ultimate source of energy in the

universe. With cutting edge simulations, innovative pulsed power technology, world class experimental design, and agile planning systems, First Light has made rapid progress that promises to unlock a pathway to energy gain and so to power generation. By using a projectile driver and proprietary advanced target designs, First Light moves the complexity inherent in other fusion projects from the machine to the target, minimising the plant construction cost and offering the world a future with clean, abundant energy that is cost-competitive with existing power generation methods.

enquiries@firstlightfusion.com

01865807670

11. Cryofuel Energy Systems

Cryofuel Energy Systems is a company set up to exploit patented paired rotor technology in all applications relating to methane. These paired rotors form a rotary displacement device, more efficient and scalable than a turbine, and with fewer losses to friction than a reciprocating displacement engine with a piston. The result is a range of devices that extract energy very efficiently from gas flowing from high to low pressure, with multiple applications in pressure reduction, gas liquefaction and biogas upgrade.

Dominic Scholfield

Managing Director

dominic@cryofuelenergysystems.com

07946 474 877

www.cryofuelenergysystems.com

12. PassivSystems

PassivSystems have developed a range of home energy services which are changing the landscape of the energy industry. We are a pioneering company at the forefront of making energy use more efficient and more affordable for millions of households. Our motivation is to help consumers, asset owners and businesses get better value for money and to make a significant difference to global emissions. We are all about putting consumers back in control of their energy costs and providing energy asset owners with improved financial returns.

Matthew Osborn

Solutions Manager

matthew.osborn@passivsystems.com

01635 525050

www.passivsystems.com

13. CoControl

CoControl develops and manufactures cost-optimised smart thermostats and boiler control systems specifically designed for the social housing sector. These In-Home Devices are installed in tenants' homes and through an intuitive Remote-Control system, can help achieve typical energy and cost

savings in the region of 15-20%. We also develop an internet-based dashboard that collates and analyses the data measured by the smart thermostats; this is able to provide landlords with metrics, insights and customised reports of tenant health and building fabric health to better identify issues of vulnerable tenants, help in lifting them out of fuel poverty and maximise the effects of targeted preventative maintenance to reduce overall costs.

Kevin Shao
Business Development & Operations Director
07756 334367
kevin.shao@cocontrol.co.uk

14. OrxaGrid

OrxaGrid envisions an ultimate transformation of the existing electrical grid into one that is predictive, intuitive, and responsive. Our smart IoT sensors and predictive analytics monitor and provide insights into electricity and asset condition.

Our solutions leverage the power of artificial intelligence, machine learning and industry-specific knowledge that deliver value to grid operators immediately.

Stephanie Santayana
Product & Marketing Lead
smsantayana@orxagrid.com
07541 767107

15. Newcastle University

The Sir Joseph Swan Centre for Energy Research based at Newcastle University has a world-leading research team engaged in the development of novel engineering technologies and solutions across energy storage, electric vehicle range extenders and carbon dioxide utilisation.

Andrew Smallbone
Sir Joseph Swan Centre for Energy Research
Andrew.Smallbone@newcastle.ac.uk
0191 208 4954

16. Vulcanaer

Vulcanaer is a simple retrofit system to enable urban bus and truck fleet operators to *reduce idling emissions* and to *reduce costs* at the same time. It harvests the braking energy of a bus as it slows down at bus stops or in traffic, captures this energy as compressed air, then uses it for stop-start operation and to reduce fuel usage. It is also suitable for trucks. Simple to install and to operate, it is mechanical, low-cost, and fail-safe.

Dr Averil Horton
averil.horton@brunel.ac.uk
07973 898 547

17. Forev Limited

Forev is an enterprising developer, owner and operator of a future-proof, fast electric vehicle charging network covering all areas of Scotland. Driven by a firm government commitment to de-carbonise transport, Forev's team has exceptional knowledge, experience and skills in securing available host sites now, with a footfall and grid connection advantage. Forev[®] – the power to go further. Raising £3m - £5m to build out a portfolio of at least 800 fast and rapid charge points over the next five years, providing an exit opportunity for investors from year four onwards.

For further information, contact Greenbackers Investment Capital:

Robert Hokin
robert.hokin@greenbackers.com
07957 201203

John Steedman
john.steedman@greenbackers.com
07767 298495

18. Bri-Tek Technologies Ltd

Bri-Tek Technologies is an innovative Eco-Tech company, supplying LED Lighting and super efficient infra red heating to the commercial and industrial sector. Holding 3 ISO's certified by BSI, the company has a solid reputation for providing reliable products and solutions for demanding environments.

3 years ago the company launched a universal emergency battery unit, specifically designed for indoor LED lighting. Its unique features being universal, compact and simple to install. Building on it's success, a second version will be launched this year with even greater capabilities. Having gained experience in developing emergency solutions for LED lighting, we are excited to launch an emergency streetlight solution at the Rushlight 2019 Event. We believe it's a worlds first - an ideal solution for the demanding environments we live in today.

Mohamed Hanslod
CEO
Bri-Tek Technologies Ltd
Mo.Hanslod@britektechnologies.com
0161 850 0905

19. Green Eco Technologies

Green Eco Technologies manufactures compact food waste conversion systems, enabling organic waste to be reused sustainably for purposes such as green energy. The WasteMaster system processes and greatly reduces food waste in-situ, without the use of water or any additives, converting it into a much smaller quantity of high-calorific-value, compost-like and odourless residual material, which can be stored without attracting vermin or other pests.

Jason Hoen
Managing Director
enquiries@greenecotec.com
www.greenecotec.com
0800 6348644

20. Free Running Buildings

Free Running Buildings is a spin-off company from the University of Leeds, specialising in developing low energy building technologies to lower end user energy demand, backed by strategic relationships within academia. To date, Free Running Buildings have worked on projects funded by the Department for Business, Energy and Industrial Strategy and InnovateUK with a portfolio of diverse technologies waiting to be exploited. Free Running Buildings also offers consultancy work for building energy modelling, fluid dynamics simulation and design prototyping.

Dominic O'Connor
Research and Development Director
dom.oconnor@freerunningbuildings.com
07857883363

21. Wind Farm Analytics

Wind Farm Analytics Ltd has achieved a lot without big financial backing and now needs investment in order to commercialise novel laser wind measurement devices. New and improved LIDAR measurement systems have been invented and multiple patents granted. Prototypes have been built and successfully tested. These converging beam LIDAR provide new human and machine learning big data opportunities for the global wind industry. Industry engagement suggests these devices will become standard on all wind turbines, a multi-billion pound opportunity aligned with UK clean growth and UN sustainability goals.

info@wind-farm-analytics.co.uk

22. Glasspower by PyroGreen Innovations

GlassPower-PyroGreen Innovations' technology is the only proposal for the total recovery of ultimate waste into energy and raw materials. The heart of our innovation is a molten glass bath fed with ultimate waste and oxygen. The glass-gasification high temperature process generates considerable energy (heat, steam, electricity) and transforms materials completely with zero waste as a final result. Non ferrous noble metals are recovered and inert glass, which durably traps the pollutants at a molecular level, is the only residual output and a new kind of raw material: Obsidis. This breakthrough technology announces the end of landfilling. As a revolutionary new source of renewable energy, it draws on circular economy principles and is now ready for market.

Robert C. Bozza
GM / International Business Development
GLASSPOWER - PYROGREEN INNOVATIONS
robertbozza@pyrogreeninnovations.com

Alaric Bozza
External Relations Director
GLASSPOWER - PYROGREEN INNOVATIONS
alaricbozza@pyrogreeninnovations.com

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. University of Sussex / Moixa Technology / Sunamp / Durham University

The project consortium is comprised of two Universities (Sussex and Durham), an electrical energy storage company (Moixa Technology) and a thermal energy storage company (Sunamp). The partners have developed a solution to integrate the electrical and thermal systems, and aggregate them for mutual benefit, using optimal control techniques.

Dr Spyros Skarvelis-Kazakos

Senior Lecturer in Power Electronics

University of Sussex

s.skarvelis-kazakos@sussex.ac.uk

25. Photonomi

Photonomi is an innovator in advanced nanotechnology for the purpose of producing heat, power, hydrogen and other future resources using free daylight instead of solar. This is to remove the use of fossil fuel for energy requirements and Photonomi currently holds the world's highest certified output globally for a panel based technology (daylight panel versus solar panel). Photonomi's energy nanotechnology panels are smaller, lighter and produce multiples of energy per sqm than legacy and dual outputs of electricity and heat from one panel now certified globally by TUV in 2018.

Corporate Contact Details:

www.photonomi.com

Product Contact Details:

www.honeworld.com

26. Entrust Microgrid

Entrust Microgrid LLP is dedicated to developing Entrust Smart Home Microgrid (EnSmartHome) system solutions and products, which have been patented and funded by Innovate UK.

EnSmartHome is a utility-voltage DC-networked smart microgrid for properties with embedded solar PV, battery storage and DC loads (such as space heating, hot water, air conditioning, water pumping, EV charging, etc.) connected to the DC network. The innovative technology features up to 100% self-consumption of on-site solar PV power generation, high system power efficiency, low system cost and high investment return, and works for both on-grid and off-grid applications.

Xiongwei Liu
Managing Director
Xiongwei.liu@entrustmicrogrid.com
07578849898
www.entrustmicrogrid.com
info@entrustmicrogrid.com

27. Trojan Energy

The Trojan Energy system provides an innovative solution to on-street charging. It enables the widespread deployment of chargepoints, covering entire streets at relatively low cost. The system consists of a flush chargepoint connector, that is level with the pavement and a 'lance' which is used to connect the chargepoint to the vehicle. Connectors are placed approximately 5m apart, allowing EV owners to charge wherever they happen to park. Trojan technology promises a step change in charging costs and convenience for EV owners without a drive.

Ian Mackenzie
CEO
Trojan Energy Ltd
ian@trojanenergyltd.com

28. P.A.K Engineering Ltd

Specialist prototype heat exchanger and finned tube manufacturer for the cooling power industry, working with companies and Universities worldwide, implementing new ideas for innovative heating and cooling projects with renewable energy.

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29. Lightfoot

Lightfoot is the world's first technology to reward better drivers. Described as the 'Fitbit for cars', Lightfoot's in-car technology enables drivers to monetise their driving with prizes, discounts and rewards in recognition of their smooth driving style with a range of exclusive discounts on insurance, dining, high-street shopping, and holidays. Independently verified to reduce fuel use and harmful emissions by as much as 20% and at-fault accidents by 40%, Lightfoot's technology is available to both businesses and consumers.

Dan Regan
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30. RheEnergise

Rethinking Energy Storage. Seeking investment. Providing, Lifetime Energy Abundance.
Fundamentally improving the quality of life.

A pumped-energy-storage solution, fast to develop, lowest levelised cost, 10MW-50MW scale. The Underlying Magic: A High-Technology-Fluid with density 2.5 times that of water. This means both 2.5x the power and 2.5x the energy is available. Higher density means 300% more sites in Europe alone. Also, it addresses the 75% of the world with insufficient rainfall for traditional pumped-hydro. Analysis shows RheEnergise is more than competitive with other technologies such as gas peaking plants & diesel generators; batteries; traditional pumped-hydro; molten-salts; compressed-air.

Stephen Crosher

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31. Levstone Limited

Support Ageing Population - to live as independently as possible

971494, First Of A Kind Deployment of Innovation SBRI Phase 1, 1-11-16 to 31-1-17, £50,000

Levstone's mobile app "Trusted Elderly Care" (UK) and "Trusted Senior Care" (US market). The project was to develop a Business Plan to:

- (i) Examine and validate the opportunity
- (ii) Identify keys to success, risks,...
- (iii) Ensure that subsequent design and development was focused and premium quality
- (iv) Create an opportunity to work with a 'Lead Customer' in order to help refine the design and to provide credibility

Further Information: <https://gtr.ukri.org/projects?ref=971494>

Simon McGraw

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Levstone Limited

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32. Samad Power Ltd

TwinGen - prototyping of world's most compact heat and power boiler

102815, Infrastructure Systems - Over 12 months or Over £100k, 1-4-17 to 28-2-19, £1,574,329

Samad Power

Cranfield University

Advanced Manufacturing Research Centre (AMRC)

Productiv

The Proving Factory

Baxi Commercial

Samad Power's core areas of expertise are the development of innovative small-scale micro gas turbine, motor/generator, and drive/inverter systems for high-value applications, such as CHP (Combined Heat and Power) and HVAC (Heating, Ventilation, and Air Conditioning). This project is developing 'TwinGen', a domestic CHP system with fast response characteristics similar to Combination boilers. TwinGen utilises a patented technology (owned by Samad Power) and has been designed to be integrated within existing branded boilers, replacing the burner and fan while leaving many of the other component parts in place, thus reducing overall costs and forming an attractive licensing proposition for boiler OEMs. This revolutionary configuration represents a breakthrough for reaching the boiler replacement market and has been welcomed by project partners who will be assisting Samad in development of the technology.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=102815>

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CEO

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33. Swanbarton

Power Services from Hot Water (PoSHWat)

133298, Open Round 3 Under 12 Months, 1-3-18 to 28-2-19, £133,530

Our project explores the technical and commercial possibilities for managing large fleets of small energy assets, to deliver network power balancing to the UK National Grid and its international equivalents. The work has focussed on low cost switching of assets and on cloud management of very large asset fleets.

Further Information: <https://gtr.ukri.org/projects?ref=133298>

Clive Tomlinson

Research & Development

Swanbarton

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34. Fuel Cell Systems

HySerVe - A Mini Hydrogen Dispenser for Breakdown Service Vehicles

103911, Infrastructure Systems - Round 2 - 6-12 Months, 1-9-17 to 31-8-18, £98,830

The Office of Low Emission Vehicles has stated that fuel-cell technology will play a strategic role to deliver the ambition that all new cars be zero-emission by 2040. Breakdown vans will need to cover hydrogen vehicles with the option to top-up an empty fuel tank. The HySerVe project was to design and build a mini hydrogen dispenser to be fitted into a breakdown recovery van.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=103911>

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35. Verv

Tenant Electricity Exchange
133163, Emerging and Enabling Technologies Round 2 - Up to 12 Months, 1-2-18 to 30-4-19,
£173,130

Verv
Powervault

Tenant Electricity Exchange is a 12-month feasibility study to discover how a combination of blockchain technology and artificial intelligence algorithms can be used to decrease the cost of energy for those who need it most, via the optimisation of distributed energy resources. Working at a social housing estate in Hackney, tenants will have the opportunity to purchase electricity directly from the owners of the solar panels on the building's roof.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=133163>

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36. bio-bean Ltd

COFFEE (Coffee Oil for Fragrance and Flavourings through Efficient Extraction from waste)
102399, Recovering Valuable Materials from Waste, 1-10-15 to 31-12-17, £477,038

bio-bean Ltd
UCL

bio-bean believe that there is no such thing as waste, only resources in the wrong place. This project investigated how to create value from spent coffee grounds. The project focussed on the extraction of coffee oil for the flavour & fragrance, cosmetic and personal care markets. As well as the extraction of high value products, bio-bean looked to develop processes that do not create other waste and therefore investigated the repurposing of the exhausted grounds.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=102339>

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37. Grid Smarter Cities Ltd

Kerb - Intelligent Kerbside Management

971531, First of a Kind Demonstration Phase 2, 1-4-17 to 30-6-18, £1.102,146

KERB Virtual Parking System (VPS) – Is a Real Time Dynamic, Intelligent Kerbside Management Solution for Cities. Grid Smarter Cities Limited (Grid) has developed a novel web-based scalable application which allows commercial vehicle operators to opt to pay and park/load/unload on previously unavailable kerb space in high density, urban traffic areas. Operators will use the application to reserve a defined location on restricted kerbspace during an available time slot for a fixed fee. This pre-booked space becomes a ‘Virtual Loading Bay’ (VLB) or Virtual Parking Bay (VPB) allowing drivers to load and unload in close proximity to their delivery point without causing congestion and without the risk of receiving a Penalty Charge Notice (PCN) and saving time and fuel.

Further Information: <https://gtr.ukri.org/projects?ref=971531>

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38. Highview Power

Enhanced Frequency Response from a Liquid Air Energy Storage (LAES) plant

971495, First Of A Kind Deployment of Innovation SBRI Phase 1, 1-11-16 to 31-1-17, £50,000

The rapid growth in renewable energy generation in the UK and energy markets around the world has created a recognised need for flexibility in the energy system. Energy storage is one of the main technologies that can provide this flexibility.

Highview Power is a UK-based developer of energy storage systems that use liquid air as the energy storage medium. Liquid Air Energy Storage (LAES) systems, demonstrated for many years at pilot scale and more recently at commercial scale, will offer a long duration, bulk energy storage option that will add resilience and flexibility to the power network of the UK and to export markets around the world. The LAES technology is based around proven turbo-machinery and as a result its response time compares to typical mechanical systems. Consequently, it is not able to serve the fastest acting frequency response markets which electro-chemical storage systems are able to address.

This project hybridises the LAES technology (already present at Highview’s Pilsworth project) with flywheels and ultra-capacitors to explore how the combined system can meet the fast-acting frequency response requirements of the UK system operator and hence broaden the range of

services LAES can provide. The target is a +/- 2MW 'instantly' acting system (with the fast response from the ultra-capacitors and flywheels), which is then sustained by the LAES system once it reaches the target output. The two technologies are tied together by an intelligent control system which combines the output of the LAES plant and the Ultra-capacitors and flywheels, to form the desired overall profile required for the relevant frequency control service.

Further Information: <https://gtr.ukri.org/projects?ref=971495>

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39. iGeolise Limited

Project title: iRoute: routing by public transport for commercial organisations
971528, First of a Kind Demonstration Phase 2, 1-4-17 to 31-3-18, £298,300

Half the world lives in urban areas where public transport is often a better alternative than driving, however all field routing software uses road. iRoute takes multiple calls that need to be made (patients for example) and efficiently allocates those calls amongst multiple members of the field team (nurses), using public transport. It is the only public transport solution in the world, and reduces the congestion and pollution created by unnecessary road travel.

Further Information: <https://gtr.ukri.org/projects?ref=971528>

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40. Intrepid Minds

Advanced Infrastructure Monitoring Solution (AIMS)
132702; Infrastructure Systems under 12 months and under £100k; 1-3-17 to 28-2-18, £124,316

Intrepid Minds
Manufacturing Technology Centre (MTC)

The proposal for AIMS was to develop a set of mobile and static sensors that could be coordinated through a single user interface initially in support of offshore wind turbine technology, but then for wider usage across the critical national infrastructure industry. As outputs to the project we'll be developing unmanned underwater, surface and aerial drones.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=132702>

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41. ITM Power

FrankenStack
133704, Energy Catalyst - Early Stage - Round 5, 1-7-18 to 31-3-19, £168,469

The project seeks to assess the feasibility of re-using electrolyser stack components. This could have a significant cost reduction for electrolyser maintenance costs and open up new lease based business models for new business. The project will address the business case associated with buying and maintaining an electrolyser, the current business assumption is that the stacks will have an efficient lifetime after which stacks would be replaced. We will assess a plant that has been in the field in operation with a customer to test the feasibility of refurbishing and reusing stack components.

Further Information: <https://gtr.ukri.org/projects?ref=133704>

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42. Simplifai Systems Limited

SimplifAI
971549, First Of A Kind Demonstration (Phase 2) - ISCF, 1-6-17 to 31-3-18, £898,356

KAM Futures
BT
Future Everything
Infohub

Simplifai Systems Limited
Transport for Greater Manchester
University of Huddersfield

SIMPLIFAI - (pronounced simplify) - The project addressed the challenges surrounding the complex interaction between environmental, social and economic aspects of urban transport movements. It used advanced computing techniques to simplify the interaction between transport managers and users of transport networks. The project built a new form of transportation management to meet the urban transport challenges of the mid 21st Century.

Further Information: <https://gtr.ukri.org/projects?ref=971549>

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43. SenseCrete

SenseCrete – Condition Monitoring System in Concrete
102829, Infrastructure Systems (over 12 months or over £100k), 1-2-17 to 30-4-18, £270,609

Lateral Logic Ltd
Fibre Technology Ltd
TSC Inspection Systems Ltd

Load bearing capacity and condition monitoring in large or critical concrete structures is increasingly desirable in Building Information Management Systems (BIMS) to facilitate real-time building condition monitoring and assessment and to allow competitive advantage through reduced construction cost, reduced cost of building ownership and asset life extension. This project develops a system for the non-destructive evaluation of concrete condition in steel fibre reinforced concretes without embedded sensors.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=102829>

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44. Viridian Consultants Ltd

ViridiScope[®]: field testing an innovative new sampling tool for the nuclear market
971552, First Of A Kind Demonstration (Phase 2) - ISCF, 1-6-17 to 31-5-18, £1,087,334

Viridian Consultants Ltd
LLW Repository Ltd
Magnox Ltd
Sellafield Ltd
EDF Energy Nuclear Generation Ltd

ViridiScope[®] is an innovative laser sampling tool that can be used in place of conventional drilling to remove material from a surface, to permit the safe, clean and fast sampling of materials such as concrete and brick for radionuclides and elemental characterisation. The key aim of the deployment project, working in collaboration with 5 sites undergoing decommissioning characterisation activities, was to overcome resistance to change, and thus gain acceptance of this new approach

Further Information: <https://gtr.ukri.org/projects?ref=971552>

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45. The Yellow Bike Company

Clamp-IT – disruptive bike security
103886, Infrastructure Systems - Round 2 - 6-12 Months, 1-9-17 to 30-4-18, £69,384

The Yellow Bike Company Ltd
Marchwood Technologies Ltd

Clamp-IT is a smart mobile phone operated secure bicycle parking network which attaches to existing street furniture. It offers greater security than hitherto available on the street. The unit is internet connected, monitored and managed and will be free to the user when sponsorship is in place. Our mission is to eradicate bike theft.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=103886>

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46. Zeetta Networks Limited

NetOS®: Dynamic & Intelligent Orchestration of Infrastructure Networks
971534, First Of A Kind Demonstration (Phase 2), 1-4-17 to 31-3-18, £1,834,694

Zeetta Networks has transformed Ashton Gate Stadium, Bristol, into a programmable sporting event and conference venue. The whole network infrastructure can now be seen and managed through a single PC screen, vastly reducing operational costs and providing unparalleled flexibility. Bandwidth and service levels can be adjusted to meet varying demands, in real time, and network traffic data now enables strategic decisions to be made by the stadium's owners concerning space utilisation and infrastructure investment.

Further Information: <https://gtr.ukri.org/projects?ref=971534>

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47. Petit Pli

Petit Pli - Clothes That Grow

104859, Design Foundations Round 1 2018, £21, 525

Petit Pli embeds a patent-pending structure in garments to create clothes that grow with your child, fitting children from 9 months - 4 years. Petit Pli's technology extends the life of clothing. This extending clothing use is one of the most significant opportunities the fashion industry has to reach carbon, water, and waste targets (Ellen MacArthur Foundation, 2017). This feasibility project seeks to understand maternity apparel market needs.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=104859>

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Arabella Turek

COO

Petit Pli

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48. Scene Connect

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>

David Jones

Project Manager

Scene Connect

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49. Enertechnos Limited

Capacitively coupled cables for transmission and distribution
103496, Energy Catalyst Round 4 - Mid Stage ISCF, 1-10-17 to 31-3-19, £1,545,759

Enertechos Limited	TWI (The Welding Institute)
Brunel University	Eland Cables Limited

Globally, energy losses in the transmission and distribution system are 10.6%. In the UK the figure is 7.6%, and in 2016 losses were 27.5TWh, and account for 1.5% of the UK's CO₂ emissions. This project's aim is to complete development of a cable using a linear capacitor as the means of transmission, which will reduce voltage drop, increase the amount of energy delivered from a given generation source into the grid and reduce CO₂ emissions.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=103496>

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50. TravelAi

Catch! Citizens at the City's Heart
102426, Integrated Transport: Local Authority Solutions, 1-1-16 to 31-3-18, £2,054,283

TravelAi	Newcastle City Council	Transport for West Midlands
Coventry City Council	Oxfordshire County Council	Transport Systems Catapult
Elgin	Placr	University of Glasgow
Ipswich Borough Council	The Behaviouralist	University of Leeds
Leeds City Council		

Catch! seeks a data and an evidence-based approach to solving transport related problems. Catch! is a state-of-the-art highly-scalable system to crowdsource, analyse and act upon travel-behaviour data in real time. It provides transport professionals with next-generation data and analyses on travel behaviour, and citizens with a 'living journey planner' that gives frustration-free routing based on travel conditions. The project has tackled significant data-analysis and processing challenges to build a rich set of data and insights to help Local Authorities make informed transport decisions.

Further information: <http://gtr.rcuk.ac.uk/projects?ref=102426>

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51. Lynkeos Technology Ltd

Deployment of a Muon Tomography System for Nuclear Waste Characterisation
971536, First Of A Kind Demonstration (Phase 2), 1-4-17 to 31-3-18, £1,539,397

Lynkeos Technology is a multi-award-winning Scottish company that specialises in the innovative field of muography, which uses natural radiation to shed unique light on the contents of complex shielded structures. Lynkeos collaborated with the University of Glasgow and the UK National Nuclear Laboratory (NNL) to commercialise its Muon Imaging System (MIS) and to deploy it on a nuclear-licensed site. This is now in operation at Sellafield where it is performing first-of-a-kind characterisation of nuclear waste containers.

Further Information: <https://gtr.ukri.org/projects?ref=971536>

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52. NVP Energy

Low temperature Anaerobic Digestion

971547, First Of A Kind Demonstration (Phase 2) - ISCF, 1-6-17 to 31-3-18, £771,128

NVP Energy, a pioneering cleantech company, has developed a first-to-market wastewater treatment (WWT) solution for the Food & Drink and Municipal wastewater (WW) sectors which can turn WWT technology from an operational cost and energy burden into a revenue generating, energy-positive process with unmatched payback, a step-change for the energy-intensive WW industry. The high-rate Anaerobic Digestion WWT technology cleans low-strength wastewater efficiently at low temperatures and at a fraction of the cost of other WWT technologies. The renewable energy generated is of exceptionally high-quality biogas (>85% methane) and is 100% available for use on site.

Further Information: <https://gtr.ukri.org/projects?ref=971547>

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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 startups by applying to the CEC Mentors program, or can participate in global challenges that the club sets up regularly.

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Prova is the UK's leading environment, energy and clean technology communications consultancy. We're known worldwide for creating extremely powerful marketing campaigns that deliver commercial advantage and drive business growth. Whether building brand reputation, supporting new market entry or debating policy on a pan-European scale, no other PR firm has the same experience, knowledge or passion.

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Everoze is an employee-owned consultancy, specialising in renewables, storage and wider energy flexibility. Our unique strength is bridging the gap between the technical and the commercial. We exist to help our clients accelerate the transition to a decarbonised energy system.

We're a team of 50 consultants who are flexible, experienced and interdisciplinary. We have offices in the UK, France, Spain and Germany, and we're active in energy markets across the world. We are a trusted advisor to some of the biggest brands in the sector and work closely with our clients to make projects, companies and technologies future-proof and financeable.

We offer:

- **Due Diligence on Demand:** Working smarter to rapidly evaluate risk and opportunity.
- **Project Support:** Applying experienced eyes to improve asset performance and add value to project development.
- **Strategic Support:** Deploying effective people with the right industry know-how to address technical, commercial and strategic challenges.

Sponsor: Granted Consultancy Ltd



We are Granted Consultancy, an experienced team of UK and EU grant funding specialists. We have expertise in securing funding for Innovation (R&D), Business Growth, Training and Infrastructure Projects. Our sectoral experience spans across Tech, Digital, Creative, Advanced Manufacturing & Engineering, Education, Construction, Health & Life Sciences, Knowledge Transfer and Energy. Since 2010 we have secured £50m of grant funding for R&D projects, business growth investments and major public-sector projects. We have offices in Fleet St, London and Southernhay, Exeter. The Granted team thrive on learning about new technologies, innovative business models and the people behind them, so if you've got an ambitious project give your business the best chance of securing grant funding by getting in contact with our team.

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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



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