LOW CARBON SCOTLAND
MEETING THE EMISSIONS REDUCTION TARGETS

Conference and Exhibition
28TH JUNE 2016
OUR DYNAMIC EARTH, EDINBURGH

#3ppp  www.low-carbonscotland.scot
Dear Delegate

On Behalf of the team at 3ppp, we would like to welcome you to this year’s Low Carbon Scotland Conference.

The Economic, social and environmental benefits of a low-carbon Scotland have been clearly and consistently identified, most recently in the Scottish Government’s “Low Carbon Scotland: Meeting our emissions reduction targets 2013-27” report. There are significant challenges, but also significant opportunities, in reducing emissions across the country.

There are unprecedented opportunities for development, collaboration, investment and growth over the coming years. The fast moving low-carbon energy sector continues to be shaped by the changing environment and innovations in technology, requiring a flexible approach to allow for uncertainty and change, as well as the new opportunities which are sure to present themselves.

Learning from the Agenda:

The conference offers a unique opportunity to hear from those leading the agenda. The programme will be covering a wide variety of proposal's and policies that will support the transition to a Low Carbon Economy. The conference will be covering an array of key areas: RPP2 Strategy; District Heating; Grid Facilitation; Finance and Funding; Sustainable Housing; Smart Cities; ERDF Funding; Fuel Poverty; Sustainable Transport; Collaboration to achieve a Low Carbon Economy. Throughout the conference we encourage you to express your views and please feel welcomed to be fully engaged throughout each Panel Session.

Bringing People Together:

At 3ppp, our focus is on producing the highest quality events that offer real value to our customers. We pride ourselves on giving our delegates a meaningful and thought-provoking experience to help them meet the challenges faced by their organisations. We ultimately aim to become a knowledge transfer hub, disseminating vital information on topics such as sustainability and connecting professionals with their peers. We truly value any feedback you care to offer – your input will have a direct influence on our future conferences.

Please take the time to visit our sponsors, all of whom have been carefully approached to provide added benefit to you in terms of networking and insight into how to grow and respond to your business requirements. A visit to the exhibition is a great way to assess the latest solutions on offer and talk to industry insiders about your specific requirements and to discover new, cost-effective solutions to your existing processes.

We would like to take this opportunity to thank you for attending the conference, as well as our event sponsors and supporters and our fantastic programme of speakers, all of whom have kindly given up their time to address us today. We sincerely hope you enjoy the day and that it offers you real insight and inspiration. We look forward to seeing you again in 2017.

Telephone +44 (0)203 794 9273 Email lee.etchells@3ppp.co.uk
Web www.low-carbonscotland.scot
SESSION 1 - Chaired by SmartKlub

09:00am Chaired by – David Morgan, Founder & Partner, SmartKlub

David is a specialist in City Energy Strategies for Private and Public Sector bodies and CO-CEO of SmartKlub Ltd. Smartklub ltd are empowering cities to take control over their energy. He has demonstrated that collective knowledge share with community and business partnering is the most important force in city wide energy transformation. As Head of Cities, EO.N UK, he lead the strategic collaboration with 10 of UK’s largest city green investment plans for renewable energy and efficiency projects including Birmingham, Leeds, Stoke, Coventry, Exeter, Nottingham and Liverpool. David is Deputy Chair of Liverpool City Region LEP and lead for Retrofit Strategies. David has pioneered the model of Social Entrepreneurial Ownership of energy by communities. Working in partnership with Elected Mayor Joe Anderson of Liverpool set up of Eldonian Energy a ground breaking community ownership and local job creation model for the city of Liverpool.

09:10am Keynote Address – John Ireland – Deputy Director for Climate Change, The Scottish Government

Towards a Low Carbon Scotland

As a Deputy Director in the Scottish Government’s Energy and Climate Change Directorate, since 2011, John Ireland heads up the Climate Change Division responsible for meeting Scotland’s climate change targets. His other responsibilities have included offshore oil and gas, unconventional oil and gas, refining and the low carbon economy.

From 2008-11 John was Senior Economic Adviser in the Education Analytical Services Division, responsible for analytical work on schools, children & young people and lifelong learning; prior to this (2002-08) he had a similar role in the Enterprise and Lifelong Learning Analytical Services Division.

From 1999-02 John was Director of the Fraser of Allander Institute at the University of Strathclyde, producing applied economic research for the public sector and economic commentary. Prior to this (1993-99) he lectured in the Economics Department at Strathclyde, focussing on macro economic modelling for policy design; he was co-award holder of ESRC grant to build a UK macro model that was subsequently used by the Bank of England and HM Treasury. He began his career as a fast-stream Economic Assistant in HM Treasury.

John holds an MPhil in Economics from the University of Oxford and a BSc in Economics from LSE. He has been a member of the ESRC Methods and Infrastructure Committee, Strategic Research Board and Impact Sub-Group.
SESSION 1

09:25am  Andreas Papaiacovou, CEO, Utilico Energy

Helping Communities Switch – Save - Support

How to use our innovative turnkey energy services to save consumers and businesses money on their energy costs, reduce their carbon footprint and at the same time generate a fund to help good causes in your area.

We are a national utilities provider offering energy procurement and associated services to UK businesses, both SME/Corporate. We specialise in providing bespoke domestic solutions for closed user groups.

We deliver a unique professional service to our customers, simplifying the complex energy switching process; a no-fuss managed solution with fantastic saving potential.

Additionally, our Energy Community Scheme, is an innovative method where the process of switching energy suppliers generates considerable financial rewards for a community. At no cost to the individual or business, switching energy suppliers generates a donation whilst at the same time saving the customer money on their bills. The scheme is designed to work for all sizes of organisations, from small local sports clubs/charities to corporates/local authorities’/housing associations.

09:40am  Vivienne Cockburn, Director of Corporate Services & Low Carbon, Scottish Futures Trust

The Public Sector’s Role in Delivering a Low Carbon Economy

Vivienne is Director of Corporate Services and Low Carbon with responsibility for SFT’s activity across the low carbon sectors including street lighting, district heating and non-domestic energy efficiency. She is a qualified chartered accountant who spent 16 years within the accountancy profession in both management consultancy and project finance roles before becoming Finance Director of Caledonian Economics, a specialist economic and financial consultancy practice. She has advised on a wide range of public private partnership projects across the water, education and health sectors. She is a Non-Executive Director and Chair of the Audit Committee for Museums Galleries Scotland, the national development body for this sector in Scotland.
Nigel Parry is the UK Principal at OrangeTek LED Road Lighting manufacturers, with his extensive involvement with lighting over the last 40 years he acts as a Professional Services Advisor for the Institution of Lighting Professionals in the UK and is the current CIE division 4 Editor. As Principal with Orangetek he is active in providing strong LED lighting solutions for the Public Lighting arena. This includes the development of the product range, providing the technical understanding to the end users and beyond and leading the UK/European office.

He has worked in the Lighting Profession from leaving full time education, initially at Parmar control gear manufacturers in the development labs for six years before moving across to the Local Authority sector where he progressed from a technician with Derby City Council to be the Lighting Manager at Westminster City Council in London. During that period his focus was on the design aspects of exterior lighting and he completed a myriad of schemes from lighting the M5 motorway through to local minor-improvement schemes. He also carried out a number of higher profile public realm and architectural lighting projects the most high profile being the International Convention Centre in the centre of Birmingham.

Euan has worked in the electricity industry for approaching 20 years having worked across the energy market holding positions in Energy Supply Retail, Energy Management currently employed within SP Energy Networks Electricity Transmission and Distribution business. He has spent his entire career to date with the Scottish Power Group, a wholly owned subsidiary of Global Energy Group Iberdrola. During this period he has held a number of positions throughout the company covering Strategy & Finance, Business Planning, Regulation, Commercial and now finds himself developing and delivering new innovative solutions, both technical and commercial, to ensure that SP Energy Networks is well placed to support the transition to a low carbon economy and maximise benefits for the customers and communities that we serve.

The presentation will provide an insight into what SP Energy Networks have achieved in facilitating the Low Carbon transition to date, changing nature of the relationship between consumers and Electricity Networks; transition to real time control and how a future electricity system will be more reliant on distributed energy resources.
10:45am  Interactive Refreshment Break in the “Networking Zone” (60 Minutes)

SESSION 2 - Chaired by SmartKlub

11:45am  Session chaired by – David Morgan, Founder & Partner, SmartKlub

11:55am  Alastair Brown, Head of Sustainability & the Environment, Glasgow City Council & Future City Glasgow

Alastair Brown is Chief Resilience Officer for Glasgow, an exciting new venture for the City as part of the Rockefeller Foundation's global network of 100 resilient cities with a particular focus on vulnerable communities, climate resilience and long term planning for cities. Alastair has an influential role on the Future Cities demonstrator programme and is a Future Cities Glasgow Board Member.

He is the Head of Sustainability and Environment at Glasgow City Council. His remit includes all aspects of environmental regulation, carbon management, climate change, energy management and projects, parks, cemeteries and public events. He is the lead co-ordinator for the successful Sustainable Glasgow public/private partnership and for Glasgow’s Year of Green in 2015. Alastair played a leading role in delivering the environmental commitments for the 2014 Commonwealth Games and continues to lead the Greener Legacy programme for Glasgow.

12:10pm  Brian McGuigan, Commercial Director, Europe, Smart City Solutions, Silver Spring Networks

Brian McGuigan is commercial director, Europe at Silver Spring Networks, a leading global provider of smart energy and future city platforms. He has worked in the large-scale deployment of innovative services and technologies for more than 15 years, across the smart city, energy and medical sectors. At Silver Spring Networks, Mr McGuigan has worked with many leading global cities to explore how flexible communication and data platforms can accelerate service innovation.
SESSION 2

12:25pm  Michael Burns, Smart Campus Development Manager, University of Glasgow

HE Investment and Sustainable Urban Infrastructure

Between 2015-2025 the University of Glasgow will develop and consolidate its historic campus as the core of an £1bn urban transformation project extending across the equivalent of 50 city blocks. Innovation around the new campus will cover many disciplines - urban design, construction, infrastructure, engineering, urban studies, computing, environment, infrastructure, digital education, pedagogy, inward investment and economic development. The University can harness the scale of this project to create a transformative physical, social and economic effect as an internationally significant demonstrator for urban infrastructure, city systems and future models of University practice. Michael Burns works within the Research Strategy and Innovation Office and has specific responsibility for shaping the University’s Future Cities offering around the development of the ‘smart campus’. He has a background in project development and management with experience across the public, private and not-for-profit sectors.

12:40pm  Victor Sellwood, Business Development Manager - Connected Communities, SEnergy Management Division, Siemens

Energy IOT: A Vision of the Future

Victor Sellwood is a Chartered Engineer and has worked in the energy sector for over 15 years, most recently with Siemens PTI and EA Technology. With expertise across electrical networks including substation asset condition assessment and testing, he has worked Internationally and delivered training, technical and academic lectures at Queens University Belfast and the IET’s ACDC Conference. Most recently, he completed an MBA with Merit from the Manchester Business School, juggled between a young family and regular attempts to ski and play badminton.

12:55pm  Keith Budden, Head of Business Development, Cenex, Centre of Excellence for Low Carbon & Fuel Cell Technologies

Electric Mobility and Smart Connected Cities

Keith is a postgraduate qualified social scientist with over twenty years’ experience in low carbon business development, public policy and programme delivery. At Cenex he has helped to develop a range of sustainable smart city partnerships across the UK and forged new relationships with the private sector and the European Commission, delivering business growth and profitability. Keith has previously worked for E.ON delivering their sustainable cities programme, and for Birmingham City Council, leading on environmental programmes, climate change and energy.
How much influence can local authorities have in the energy market?

Phil Brennan is the Head of APSE Energy. He took up his current post in March 2016 and is the lead officer for APSE Energy, the Association's local authority energy collaboration, managing the services provided to members, the content issued, the consultancy offer and APS Energy associates as well as the overall message and advocacy role of APSE Energy. He has spent over 10 years with APSE and has previously been responsible for the Association's work on housing building maintenance, highways, street lighting and winter maintenance and managed the renewables and climate change advisory group. He was also responsible for APSE's members and work in Northern Ireland. Prior to working with APSE he was with Preston City Council where he worked in the Policy and Performance Unit on the implementation of Best Value, performance management and corporate policy development. He was previously employed in the banking and ICT sectors.

Drivers for associations to improve energy efficiency and energy systems

David has worked on policy and public affairs at the SFHA and has been there for 8 years. Key areas of work include Investment in new build affordable housing, Energy efficiency and fuel poverty, Community & housing led regeneration and Planning reform.

He spent a year seconded to the Scottish Government leading a n Energy Efficiency Learning Network. Prior to working at SFHA David worked with Edinburgh City Council on development and regeneration and with housing associations in Edinburgh and Glasgow. He has a partner, 2 teenage children and an inexplicable attachment to Morton Football Club.
SESSION 3

14:55pm  Steve Oldroyd, CEO, DJO ECO

Renewables – Where are we Now?

As a qualified Electrical Engineer Steve has many years experience of project management, planned and highly charged situations within a highly technical and challenging environment. Having worked for over 20 years in varying sales and business development roles centred on the UK Renewable Energy market sector, Water utilities, UK equipment hire, safety and training business sectors, he has much to offer in this very specialised sector.

15:10pm  Lynn Molleson Community Ownership Support Service (COSS)
Advisor for Development Trusts Association Scotland

The Politics of Empowerment

Lynn works for DTAS (Development Trusts Association for Scotland) on the COSS (Community Ownership Support Service) team where she advises clients and relevant authorities in East and Central Scotland on increasing the sustainable community ownership of assets. The COSS team are particularly active informing communities about their new rights with the passing of the Community Empower Act and the Land Reform Act and in working with Local Authorities and others to develop appropriate policies.

15.25pm  John Wardlaw, Sales Manger, Ista Energy Solutions

Smart Metering and Data Services

John Wardlaw has nearly 30 years of experience in delivering technical and commercially beneficial solutions to his clients. 10 years of design and project management of monitoring & SCADA systems within the power generation and defence sectors before moving to sales in 1995 20 years of technical solutions sales within several sectors including Facilities Management, energy and oil & gas. Starting out with 4 years at GEC Alstom, looking after industrial & process business for variable speed drives and the iconic Gem80 PLC. Then followed a 4 year spell within the emergency and standby systems arena for UPS, Invertors and generators. John is fortunate enough to be able to say that he spent 5 years at NG Bailey looking at FM including a 12 month stint managing FM operations within Scotland.

15.40pm  Question & Answer Panel Session from Delegate Audience to Main Plenary Speakers

16.00pm  Chairs closing remarks
**GOLD SPONSORS**

**DJO ECO** - We are committed to bringing the very latest renewable energy technologies together to provide the most efficient solutions to provide clean, cost efficient energy internationally. Having a wealth of experience gained over many years we are able to source, specify and supply highly efficient solutions anywhere in the World. We provide a holistic approach to renewables, always striving to provide the most cost effective solution for any application. Our team are industry sector professionals, bringing a wealth of knowledge unrivalled in the industry.

www.djo-eco.com

**ISTA** - ista is one of the world’s leading companies providing energy management services for greater energy efficiency in buildings

We are currently working closely with numerous councils, universities, housing associations, district heating operators UK wide and working with them to establish what the recent Energy Efficiency Directive (EED) and Heat Metering Legislation means for them and how it affects their tenants.

We help property managers, landlords and tenants all over the world to meter, visualise, bill (both credit & pre-payment) and manage individual energy and water consumption.

ista manage approx. 48% of meters in all heat markets across European heat markets.

www.ista.com

**ORANGETEK** - specialises in manufacturing and supplying exterior LED lighting solutions. Established in Australia in 2004 with our head office based near Birmingham, UK, we operate in 5 countries worldwide providing market leading LED technology.

We design and manufacture street & urban realm luminaires as well as traffic lighting systems.

Our research and development facilities in Taiwan explore the future of lighting Technology and the team are consistently pushing the boundaries of what’s possible, providing the end user with state of the art luminaires at an affordable price. Our passion about LED technology is what drives us.

www.orangetek.co.uk

**DEVELOPMENT TRUST ASSOCIATION SCOTLAND** - Recent legislation in Scotland, The Community Empowerment Act (Scotland) 2015 and The Land Reform Act (Scotland) 2016, set out new rights for communities to actively participate in the use of land, assets and services as more equal partners. Indeed, when it comes to on-shore wind, community engagement is a requirement and schemes are unlikely to be consented without it. What does that look like from a community perspective? Where are the new opportunities to promote accountability, fairness and greater economic prosperity?

www.dtascot.org.uk
GOLD SPONSORS

**SILVER SPRING NETWORKS** - is the industry's leading provider of networking platforms for critical infrastructure for the Internet of Things. With over 23 million devices connected for applications such as smart street lights, smart traffic controls, smart parking meters, air quality and weather sensors, and smart energy and smart water networks, Silver Spring is making the IoT a reality in global cities including London, Bristol, Chicago, Copenhagen, Glasgow, Melbourne, Paris, San Francisco, Sao Paolo, Singapore and Miami. Silver Spring's innovative solutions enable cities and utilities to operate more efficiently, drive sustainability, health and safety initiatives, improve grid and asset reliability, and empower consumers to monitor and manage energy consumption.

[www.silverspringnet.com](http://www.silverspringnet.com)

**URBAN CONTROL** - Partnering with leading technology experts, we work closely with our customers to help them connect the dots within their individual urban environment. Our sole objective is to enable everyone to harness the power of having a truly connected, living network of urban assets.

[www.urban-control.com](http://www.urban-control.com)

**UTILICO** - are a national utilities provider offering energy procurement and associated services to UK businesses, both SME/Corporate. We specialise in providing bespoke domestic solutions for closed user groups. We deliver a unique professional service to our customers, simplifying the complex energy switching process; a no-fuss managed solution with fantastic saving potential.

Additionally, our Energy Community Scheme is an innovative method where the process of switching energy suppliers generates considerable financial rewards for a community. At no cost to the individual or business, switching energy suppliers generates a donation whilst at the same time saving the customer money on their bills. The scheme is designed to work for all sizes of organisations, from small local sports clubs/charities to corporates/local authorities’/housing associations.

[www.utilicoenergy.com](http://www.utilicoenergy.com)

**SIEMENS** - is one of the leading global suppliers of products, systems, solutions, and services for the economical, reliable, and intelligent transmission and distribution of electrical power. In partnership with a growing number of network and system operators, Siemens supports LCNF and NIC/NIA projects across the UK, providing innovative solutions including active network management, advanced DMS, energy storage and demand response solutions, proving that Siemens is the ideal technology partner for a low carbon future.

Siemens was established in the United Kingdom over 170 years ago and now employs around 14,000 people in the UK. Siemens has offices and factories throughout the UK, with its headquarters in Frimley, Surrey. The company’s global headquarters is in Munich, Germany.

[www.siemens.com/energy-management](http://www.siemens.com/energy-management)
GOLD SPONSORS

CENEX - An independent research and consultancy organisation specialised in low emission vehicles, Cenex has an established track record of delivering projects for public and private sector clients related to vehicles and infrastructure, including ULEV fleet reviews and trials, supporting integrated transport energy solutions and developing industry networks. Most recently Cenex has provided technical advice and support to Cities applying for the OLEV Go Ultra Low City and Ultra Low Emission Taxi Schemes. Cenex has also developed a unique Fleet Carbon Reduction Tool: a bespoke tool that, backed by real-world data, quantifies the environmental and economic impact of deploying low carbon vehicles.

www.cenex.co.uk

SP ENERGY NETWORKS - is a vital part of the ScottishPower group - one of the top power companies in the UK. We own a massive network of cables and power lines and are trusted by millions to distribute and transmit electricity to their homes and businesses.

For our 1.5 million customers in England and Wales, and the 2 million in Scotland, we consistently provide value for money, operational efficiency and excellent service. We’re also particularly excited to help them benefit from renewable energy technologies.

At the heart of our company is a focus on developing and delivering innovative technologies to improve the way we operate - bringing benefits to all. For instance, we’ve recently seen a fivefold increase in the transfer capacity of our transmission links across the UK thanks to new technology.

We strive to be at the forefront of innovation and excellence for the benefit of the people, communities and businesses who rely on SP Energy Networks.

www.spenergynetworks.co.uk

THE CARBON CLUB Networking Dinner

19:00pm Welcome Drinks Reception & Networking
19:40pm Ron Pusey, Head of Delegates 3ppp & Carbon Club
19:45pm Guests Called to Allocated Tables
19:50pm SmartKlub Welcome – David Morgan – Founding Partner
20:00pm Brian Bishop, Managing Director, Data Performance Consultancy
20:10pm Nathan Goode, Director, The Social Value Portal
20:20pm Starters & Mains Served
21:10pm Gregor Paterson-Jones, Board and Investment Committee MEA | EFSI – EIB | Infrastructure Renewable Energy Debt Equity
21:20pm Mike Lou, Managing Director AVIC International Corporation (UK)
21:30pm Desert, Coffee & Mints
21:45pm SmartKlub – Think Tank & Closing Thoughts?
21:55pm Open Networking
22:15pm Carriages Await/Close

The Carbon Club Networking Dinner is a separate event to the Low Carbon Scotland Conference. If you have not registered to attend the dinner and have not received confirmation of your participation at the dinner you will be unable to gain entry as the registration has now closed and final tickets have been allocated. For any queries please contact lee@3ppp.co.uk

www.3ppp.co.uk
SILVER SPONSORS

ENERGEO LTD are a leading provider of geospatially intelligent solutions for renewable energy and sustainability applications.

Through the innovative exploitation and analysis of digital mapping and remotely sensed earth observation data (such as satellite imagery), Energeo provide clients across both Public and Private sectors with unique insights into existing energy performance and future energy potential – whether for individual sites or at a city-wide scale.

By combining geographic information with demographic data and B2B/B2C intelligence, Energeo provide crucial additional insight to facilitate the creation of successful renewable energy business plans, sustainability strategies, public engagement and awareness programs, or promotional marketing campaigns.

www.energeo.co.uk

GREEN COMMUTE INITIATIVE - Did you know around 6 people an hour die in the UK from poor air quality? Cyclists have much lower exposure to NO2 and Diesel particulates than any other commuter? Car drivers suffer over twice the exposure because the pollution gets trapped in their cars?

The Green Commute Initiative is about getting commuters out of their cars, out of the congestion, improving the quality of the air they and the rest of us breathe and letting them arrive at work less stressed, not sweaty, wearing normal clothes and with a huge smile on their faces.

We do this by giving commuters a hands and feet on experience of e-bikes. Then if they like it, they can pay for one monthly and save up to 42% on the retail price. They will own the bike and can use it for other things than commuting.

Employers get a substantial tax incentive to help and the really good news is they don't need to find any cash to do so. So absolutely no affect on their cash flow!

We take care of everything. All the employer and employee need to do is tell us they'd like to do it and sign the necessary agreements.

We can supply any kind of bike including non electric and we have resellers all over the UK so as well as supporting a local bike shop, you know service and support is nearby.

Simple, dead easy, profitable, fun. And every e-bike comes with a guaranteed smile!

www.greencommuteinitiative.uk
THE WOODLAND CARBON CODE is the Government-backed standard allowing the provision of transparent, robust, carbon units from locally-based woodland creation projects which not only capture carbon, but can provide a wealth of other benefits including flood reduction, improvements to water and air quality as well as biodiversity, recreation and education. There may also be opportunities for staff volunteering or community engagement. Companies can confidently use the units to compensate for their unavoidable emissions as projects come with the assurance of external verification, plus project status and carbon unit ownership are tracked on the publicly-available UK Woodland Carbon Registry.

www.forestry.gov.uk/carboncode

ENEVO - Founded in 2010, Enevo is a forward-thinking company with a vision to transform the financial, environmental and social impact of waste.

By collecting and analysing data from refuse containers across the world, Enevo is able to create efficiencies and cut the cost of waste collection and incentivise recycling. Enevo simplifies, de-risks and optimises the waste management process, helping to make a sustainable waste-free environment a more achievable proposition.

Launched in the UK in 2014, Enevo has built a team with extensive experience in the Waste Management industry as well expertise in Smart Cities, Big Data and the Internet of Things. With a rising number of customers in the UK and across the globe, Enevo is expanding rapidly as customers increasingly choose the transparency & efficiency gains that data-driven waste management can deliver.

www.enevo.com

E RIDER - The Company has been trading for two years and was conceived with the mission to design and sell electric bikes and scooters. We firmly believe that the time is right for electric bikes to take off in the UK, as they have in some other European countries, and we are certain that we have, in our range of E Rider bikes, a unique and desirable range of products.

The E Rider Model 15 is much safer than a conventional electric bike because it has good LED lighting, mirrors, brake light and audible indicators. It is also much more stable and comfortable than a standard bike and rides smoothly on the road with its hydraulic suspension. It can be ridden by anyone without the need for licence or insurance so it is a very flexible vehicle.

There are no direct emissions and, because the transfer of electricity to power is so efficient, it has been calculated that their carbon footprints are less than that of a traditional cyclist or even a pedestrian.

And there are practical imperatives too. The cost of running the E RIDER is less than 1p per mile, making it the cheapest form of motorised transport in the UK by a distance.

We are offering free trials of our bikes. If you think they may be useful to your organisation we will provide you with a demonstrator free of charge and without obligation.

www.eriderbikes.com
ECO STARS encourages operators of HGVs, buses, coaches, vans and taxis to run fleets in the most efficient way. The scheme provides recognition for best practices, and guidance for making improvements. The ultimate aim is to reduce fuel consumption, leading to fewer vehicle emissions and reduced fuel costs. Members are awarded an ECO Star rating, based on assessment of their environmental performance covering both individual vehicles and operational practices. A bespoke Road Map is provided, outlining findings and containing tailor-made advice to help improve fleet efficiency. ECO Stars schemes in the UK are managed by Transport & Travel Research Ltd.

www.ecostars-uk.com

SMARTKLUB provide a wealth of experience in the distributed energy sector. And it’s from their own first-hand experience in the industry that SmartKlub was conceived. They noticed that, despite cities and authorities across the UK looking for alternative ways to meet their unique energy needs in a way that benefits citizens and communities, the market was failing to provide integrated community energy projects.

www.smartklub.org
Sponsor Profiles

SILVER SPONSORS

RHICO is a leading manufacturer / supplier of HIU’s (Heat Interface Units), we offer a full range of heating, cooling and hot water options, with heat and water meters available as optional extras. Our company objective is to manufacture high quality equipment that is both robust and reliable, while achieving value for money.

www.rhico.co.uk

SCOTRAIL - Every day 20,000 Abellio people provide safe, easy and reliable public transport for more than a million passengers on our buses, trains and trams.

Our operations span three countries across bus, tram and train services. In the UK we operate buses through Abellio London & Surrey, as well as Abellio Greater Anglia train services, and Merseyrail and Northern Rail in joint ventures with Serco. In April 2015 we started operation ScotRail, Scotland’s National Railway. In Germany we operate Abellio Deutschland, serving communities in North Rhine Westphalia, Saxony, Lower Saxony, Saxony-Anhalt, and Thuringia. And in the Netherlands, Qbuzz, HTM and Abellio Nederland run bus services in Fryslan, Groningen, Drenthe, Utrecht and tram services in the municipality of The Hague.

www.scotrail.co.uk

ASSOCIATE SPONSORS

WILO SE - With headquarters in Dortmund, is one of the world’s leading manufacturers of pumps and pumping systems for heating, air-conditioning and cooling technology. Wilo developed the world’s first high efficiency pump in 2001. Wilo-Energy Solutions involves the proactive replacement of functional, but uncontrolled pumps with Wilo high efficiency pumps. By using Wilo-Energy Solutions you will be able to reduce the running costs of the pumps installed by up to 90%, while taking advantage of additional benefits such as security with respect to the future, hygiene and energy supplies. We offer you targeted advice, including assessments of your potential savings. That is what we call ‘Pioneering for you’.

www.wilo.co.uk
General Information

If you need any assistance at the event please visit the registration/information desk situated at the entrance to the exhibition.

Internet Access
Wireless access in the main conference room and exhibition area is free for delegates attending the event. The code to access the wireless network will be advertised on signage and on the screen in the main conference room. Details of this code are also available from the information desk.

Presentations
Copies of the presentation slides will not be distributed onsite. Post event an email will be circulated to attendees asking them to complete an online questionnaire evaluating their experience at the conference. Once this is completed delegates will receive a further email giving instructions on how to access selected presentations. Please note that it may take up to 2 weeks post event to gain clearance from speakers for the circulation of their slides and it cannot be guaranteed that each speaker will agree to their presentation being circulated in this way.

Twitter
@3ppp will be tweeting about the event using the hash tag #3ppp Please follow us and tweet using this hash tag to join the debate and raise questions on the presentations, as these themes may be included in the question and answer sessions with the speakers.

Filming and Photography
The event will be photographed and filmed for promotional purposes under copyright of 3ppp. The footage may be used by speakers and sponsors for their marketing purposes, and may be displayed on the event website www.3ppp.co.uk to promote this and subsequent events.

Toilets
Toilets are located on the conference floor of the venue and are clearly signed.

Special Dietary Requirements
Vegetarian and Halal food will be served as part of the lunch selection at the conference. Should any dietary requirements fail to be met, 3ppp cannot take any responsibility for this due to the ‘standing’ nature of the lunch served. Delegates are responsible for identifying their special dietary needs with a member of venue staff to either query the contents of the food or request an alternative – although this cannot be guaranteed that this can be provided.

Fire Regulations/Instructions
Delegates are reminded to take note of the venue fire evacuation procedure – this will be outlined at the start of the conference sessions. If the fire alarm bell sounds, delegates should evacuate the building and congregate at Holyrood Gait – which is the street down the side of the building just off Holyrood Road.

Security
All delegates must register and receive their badge which must be worn throughout the day and is required to access the conference and exhibition. Please limit the amount of excess baggage you take into the conference sessions and make use of the cloakroom facilities in the reception area. Any items left unattended in the conference areas may be inspected and removed. Delegates are reminded that their personal property is their own responsibility and neither the venue nor the organisers can accept responsibility for any loss of items.

Disabled Access
The venue is a public building/tourist attraction so has full accessibility. We would however ask if you could advise us of any access requirements in advance so we can ensure your requirements are met throughout the event.

First Aid
Any participants requiring first aid should report to the venue reception or contact a member of 3ppp staff.

Organisers
The conference has been produced by 3ppp Ltd (Public-Private-Partnerships) A: Kemp House, 152 City Road, London EC1V 2NX T: +44 (0)203 794 9273 E: sponsorteam@3ppp.co.uk W: www.3ppp.co.uk Event: www.low-carbonscotland.scot
Exciting times for Woodland Carbon projects

A young woodland in West Lothian, Scotland, has become the first woodland carbon project in the UK to be ‘verified’ as continuing to meet the standards of the Woodland Carbon Code after ‘passing’ its first five-yearly progress inspection. And most of the rights to the carbon being absorbed from the atmosphere by the 5-hectare woodland at Cairns Farm have been sold through carbon broker Forest Carbon to BWOC, a fuel distribution company which has invested in more than eight Woodland Carbon Code projects across the UK.

Dr Vicky West, climate analyst with the Forestry Commission, which administers the code, said, “The Woodland Carbon Code is going from strength to strength as more organisations sign up to compensate for their carbon emissions by investing in growing trees. We’ve passed a number of exciting milestones in the past few months. In addition to recording the first woodland verified that it is progressing as planned after five years, and clocking the first 2 million tonnes of predicted sequestration from ‘validated’ projects, we have seen:

• solid evidence of a developing UK market for woodland carbon, with 60 per cent of the carbon ‘units’ predicted to be sequestered by validated woodland having already been sold, to more than 70 corporate buyers;
• companies paying between £7 and £15 per tonne of carbon-dioxide equivalent (tCO₂);
• guidance published for verifying every five years that woodlands are continuing to comply with the standards of the code, following a successful pilot project;
• the number of project developers which have taken projects through to ‘validation’ reach 15; and
• two organisations – Acoura and the Soil Association - authorised to carry out verification inspections”.

Find out more:
• Website: www.forestry.gov.uk/carboncode
• Events in 2016: www.forestry.gov.uk/carboncode-events
• Email: climatechange@forestry.gov.uk
• Linkedin: ‘Woodland Carbon’ group