

Tackling poverty through renewable energy

NEW ENERGY

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THE QUARTERLY MAGAZINE FROM RENEWABLE WORLD

CAMBRIDGE MBA TEAM RESEARCH
RENEWABLE ENERGY OWNERSHIP
MODELS

RENEWABLE ENERGY SAVES LIVES IN
NICARAGUA

EWEA 2011 DONATES €1 PER
CONFERENCE DELEGATE FOR
RENEWABLE WORLD'S WORK IN
AFRICA

...and more



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RESEARCH PROJECT



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ENERGY SAVES
LIVES



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SUCCESS IN MARCH



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RENEWABLE
ENERGY CUP



Forging a unique relationship



Neil Jeffery, CEO of Renewable World, identifies the six key contributions the organisation can offer to programme partners in bringing clean, affordable energy to off-grid communities



NEIL JEFFERY

RENEWABLE WORLD
CHIEF EXECUTIVE
OFFICER

The renewable energy industry is filled with dedicated, passionate individuals with a strong commitment to reducing the carbon footprint of power generation and great expertise in stakeholder engagement.

With the right business models, social investment and corporate responsibility strategies in place, the renewable energy sector can continue to expand its responsible business role. This will generate wealth creation, in Europe and beyond, making a unique and meaningful contribution to the development of wider society, including

enhancing access to affordable energy to some of the 1.4 billion people living without electricity.

Renewable World works in Africa, Asia and Central America to tackle poverty, working with local partners to optimise the sustainability and development impact of small-scale renewable energy systems.

Our work focuses on remote, off-grid settings with populations who presently cannot afford, or are not serviced by, private energy providers. We have worked diligently over the past 15 months to improve, enhance and articulate our distinctive role in the provision of affordable, reliable clean energy to off-grid communities.

As a result we have identified six key contributions (see diagram above) that Renewable World offers programme partners, largely as a result of our unique relationship with the renewable energy industry, business schools and skill sets across the organisation.

Access to energy services can, if supported well, enable communication and trade, support new income generating ventures and stimulate enterprise. Similarly, health and education opportunities can be improved through: clean water pumped direct to households; enhanced healthcare and education facilities; schools opening for longer hours and; increased access to information technology. To exemplify just a few outcomes of our work. These examples demonstrate that this kind of support, channelled to our programme partners, really enables Renewable World to transform lives.

MORE INFORMATION...



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Friends of Renewable World



Renewable energy's pivotal economic role



Dr Hope was specialist advisor on the Economics of Climate Change to the House of Lords Select Committee on Economic Affairs and the Stern Review. He was a lead author for the Third and Fourth Assessment Reports of the Intergovernmental Panel on Climate Change, which won the Nobel Peace Prize, 2007

DR CHRIS HOPE

JUDGE BUSINESS SCHOOL
CAMBRIDGE UNIVERSITY

As one of the UK's leading MBA institutions, situated at the heart of a leading high-technology cluster, Cambridge Judge Business School recognises the pivotal role that the renewable energy industry can play in the UK and further afield.

At Cambridge Judge Business School, we are committed to developing the skills, expertise and capacity of high calibre business-minded individuals, and helping them to engage with initiatives such as poverty alleviation and the development of renewable energy – helping people to live sustainably around the world.

Deployed appropriately, renewable energy can make a significant difference to the lives of millions of people, underpinning progress towards the Millennium Development Goals and mitigating climate change.

As a faculty member at Cambridge Judge Business School, I believe in bringing together people from different backgrounds and applying learning across sectors. Whilst the business world has important lessons to learn from the long-term time horizons of not-for-profits, it is equally true that not-for-profits can learn from the results-based focus of business, especially in terms of meaningful results for end users.

We at Cambridge Judge Business School are excited to be working in partnership with

Renewable World – and I am particularly pleased to be supervising our first piece of collaborative work. At the time of writing, Cambridge Judge Business School is providing a team of MBA students to analyse how ownership models, in particular their structure, governance and management aspects, influence the effectiveness, price structure and utilisation of small scale off-grid energy sources in communities.

These findings will underpin a deeper analysis of the extent to which different ownership models ultimately enable end users to undertake additional income generation and enterprise development activities.

The team has over thirty years' experience across a broad range of relevant fields, from energy implementation, transmission and engineering to community engagement and social and economic development. Working with Renewable World and its partners the team will visit India and Nepal to conduct primary research in remote, rural villages.

This is an exceptional opportunity for the MBA students and an experience they will carry into their post-MBA professions. Renewable World works closely with renewable energy businesses, providing unique opportunities for coordinated and effective action on energy poverty and enhancement of corporate responsibility strategies.

I personally look forward to supervising the Cambridge Judge Business School team and am fascinated to see how their research will assist Renewable World in its understanding of how best to bring affordable, reliable energy to remote off-grid communities. I am eager to explore how we can strengthen the relationship between Cambridge Judge Business School and Renewable World going forward.

“DEPLOYED APPROPRIATELY, RENEWABLE ENERGY CAN MAKE A SIGNIFICANT DIFFERENCE TO THE LIVES OF MILLIONS OF PEOPLE”

NEWS

RENEWABLE WORLD AT WORLD SOCIAL FORUM SMALL WIND CONFERENCE

Renewable World's Programme Development Director participated in a week-long conference at the World Social Forum in Dakar in February this year. The conference brought together small wind turbine producers who use the Hugh Piggott "home build" design to bring rural electrification to off-grid communities.

Renewable World works with small wind entrepreneurs in our programme regions to enhance the sustainability and development impact of their work. Jo Kelly, Programme Development Director, spoke on a public panel about the contribution renewable energy rural electrification can make towards the achievement of the Millennium Development Goals.

EEA FUND MANAGEMENT SUPPORTS RENEWABLE WORLD

Renewable World is very grateful to the staff of EEA Fund



Management Ltd and EEA Ireland for choosing to support us from the company's 2011 charity donation fund. EEA group manages or advises over \$1.7 billion assets including \$350 million assets in emissions reductions and renewable energy.

Access to energy is a key driver for communities in the developing world to lift themselves out of poverty and the donation from EEA will enable Renewable World to build and strengthen our programmes to provide clean, affordable energy to remote, off-grid communities in Central America, East Africa and South Asia.

Nicaragua

Capital: Managua

Population: 5.822m

Life expectancy:
73.8 years

Population living on
less than \$1.25 a day:
15.81%

Under 5 mortality rate
per 1,000 births: 27

All figures from UNDP Human
Development Report



Saving lives with renewable energy

For the community living in Nicaragua's isolated Monkey Point, a three hour boat trip from the nearest hospital (or ten hour walk if the sea is too rough), renewable energy doesn't just light homes and power businesses, it can save lives.

Last year the running4renewables team of runners from the renewable energy industry raised £29,954 at the Edinburgh Marathon and other events, which enabled Renewable World to work with Nicaraguan partner blueEnergy (sic) to upgrade the facilities of the local health centre in this desperately poor off-grid community.

Access to energy is essential in order to deliver the United Nations Millennium Development Goals (MDG's) aimed at ending world poverty by 2015. Three of the eight goals focus specifically on improving

health through reducing child and maternal mortality and stopping the spread of HIV and AIDS. The clinic in Monkey Point is a key example of how energy, and furthermore renewable energy, is necessary to achieve these goals.

In this remote location without grid connection, the solar power system is the only way to provide power for a fridge/freezer which can store children's vaccines, HIV tests, insulin and snake anti-venom at World Health Organisation standard. The solar panels also provide power for lighting – essential for safe

Strengthening local partnerships



2011 sees Renewable World implementing a new 'deep partnership' approach with selected programme partners. blueEnergy Nicaragua is amongst the first organisations to receive support above and beyond financing from Renewable World and its corporate partners.

blueEnergy's commitment to working in areas of market failure, catalysing income generation in local economies and improving the education and health of poor villages through community-owned renewable energy services, makes the organisation an excellent "fit" for Renewable World.

The precise size, shape, look and feel of the 'deep partnership' will be defined, in discussion with the blueEnergy team in Bluefields, over the coming month.

In keeping with Renewable World's Intervention Model (see editorial), blueEnergy can expect access to skills and knowledge from professionals within Renewable World's corporate partners and some of the UK's top business schools.

Support will be provided at strategic, operational and financial levels and enhanced by input from Renewable World's Senior

Management Team. This deep partnership aims to strengthen blueEnergy's core activities and unblock bottlenecks, enabling greater impact of their work.

Anticipated outcomes include extended work in more communities, creating more opportunities with and for some of the most deprived people in Nicaragua.

Renewable World is proud to be supporting blueEnergy in its drive to help deprived communities in Nicaragua



The fridge-freezer is carried off the boat to the MonkeyPoint clinic



Carla shows off the new freezer

treatment and childbirth at night in the clinic, as well as powering appliances such as a nebuliser.

Before Renewable World supported partner blueEnergy to install the solar system, a health brigade would be sent by boat from Bluefields, the nearest town, twice a year. However the vaccination team would be under pressure to complete as many villages as possible in three days before the vaccines were destroyed in the heat. As Franklin Sanchez, a representative of the Nicaraguan Ministry of Health explains, "if a family wasn't around when the brigade came, or a child was ill and couldn't be vaccinated they would get missed."

If there were any delays whole villages might get missed because there were no viable vaccines left".

Carla, the Monkey Point clinic nurse completed her training six years ago but only in the last year has been able to work at the clinic in her home village despite asking her boss repeatedly to be placed there. "I wanted to come home and help my community. I begged my boss to send me but he always said 'no – there is no clinic there – it is completely derelict, the building leaks and you can't work there'".

When Carla eventually persuaded the Ministry of Health to let her work at Monkey Point she worked for weeks with other members of the community to repair the clinic and make it suitable for use.

Carla explains what a difference it has made having power, "I am happy, happy happy! When they told me about it in December I didn't think it would happen but when the freezer arrived last week and the lights and sockets were installed it was like a dream come true!"

There are 148 children under six years old in this community and now Carla can make sure that every one of them receives vaccines to protect them from all too preventable life-threatening diseases including meningitis, Polio, Tetanus, diphtheria, hepatitis B, flu, rotavirus (diarrheal disease is one of the biggest causes of infant mortality – and rotavirus constitutes about 60-70% of diarrhea cases in children in the developing world), and rabies.

She also sees four to five children a month with breathing problems and now that the clinic has a nebuliser she can treat the symptoms of asthma and pneumonia.

Carla's clinic doesn't only serve Monkey point but is also the nearest medical centre for over 500 people from other nearby villages.

In 2010 a young man from Las Pavas, a community about five hours walk away from Monkey Point, came to Carla at the clinic and begged her to come to his village to treat his 12 year old sister who had been bitten by a snake

Because she had no anti-venom at the clinic, Carla could not help, but she told him he must go home immediately and find someone with a boat to take the girl to Bluefields, where she could get the treatment she needed to save her life.

A week later Carla found out that the child's parents had been worried about the cost of paying for diesel for the boat and had tried to treat her with traditional herbal medicine instead.

As a result she died three days after she was bitten. Carla was devastated – she said that had she known, she would have paid for the diesel herself. But the freezer has given her hope "Now I will never have to hear such a tragic story of a life cut short for want of a simple treatment".

If you or your company would like to make a difference to the lives of people like Carla and the community of Monkey Point please contact Renewable World's Marketing Director Melanie Matthews.



Carla gives Jordanie, aged 2, treatment for his asthma from the nebuliser powered by the solar system

Contact

Melanie Matthews,
Marketing Director

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Email
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world.org

RENEWABLE WORLD EVENTS CALENDAR

Catch Renewable World at one of these conferences or join a fundraising event.

● Edinburgh Marathon



22nd May 2011
Edinburgh, Scotland

There is still time to enter the Hairy Haggis team relay at the Edinburgh Marathon and raise funds for Renewable World.
www.running4renewables.org.uk

● All-Energy



18th – 19th May 2011
Aberdeen, Scotland

Visit the Renewable World stand at the UK's largest renewable energy show and consider compensating for travel by supporting our work:
<https://renewable-world.amee.com>

● London Triathlon



30th July 2011
London Excel Centre, UK

Sign up for the world's biggest triathlon. Challenge yourself as an individual or sign up as a team with colleagues to complete a 750mtr swim, 20km bike ride and a 5km run.
<https://renewable-world.org/get-involved/fundraising-events>

● RenewableUK Offshore



29th-30th June 2011
Liverpool, UK

Look out for Renewable World at RenewableUK's offshore conference at the ACC in Liverpool.
<http://events.renewable-uk.com/>

London Triathlon

Ever fancied taking part in a triathlon? Whether you are a seasoned tri-athlete on a quest for a new best time or an absolute beginner, why not take part in the world's biggest triathlon and raise money to help us tackle poverty through renewable energy.

You can take part as an individual or sign up as a team with your colleagues, splitting a 750km swim, 20km bike ride and a 5km run.

This year GB Tri-athlete David Wilson will be offering wise words of encouragement and support on our website blog. "I guarantee that the exhilaration and pride that you feel on completing a triathlon is amazing", he says, encouraging first-time runners to sign up. Make sure you check our website each week to follow his blog.

We are happy to announce that Godleys Cycles and Triathlon have agreed to offer a 15% discount off non-sale items to any Renewable World shoppers – 10% discount to the purchaser, and 5% as a donation to Renewable World.

You don't even need to be participating in the London Triathlon for Renewable World in order to qualify for the discount; anyone can take advantage of this great offer.

Simply find the product you want on the Godley's Cycles and Triathlon website (www.godleyscycles.co.uk) then call Paul on: 01642 274153 to make your purchase quoting the discount code: RENEWABLE.



Green Nose Day

Green fever swept Brighton on Friday 18th of March when Renewable World paid an affectionate tribute to the BBC's family friendly telethon with a night of rock and roll, and green cupcakes.

Yes, it was Green Nose day at the Hobgoblin pub in Brighton in aid of Renewable World! Nearly 100 people turned up on the night to shake a leg to Mel's AllStars (named after, but not featuring Renewable World's very own Director of Marketing,) and the Hi-Sides.

The night ended with a raffle, featuring prizes generously donated by local Brighton businesses including Infinity Foods,

Montezuma Chocolate, and Terre a Terre Restaurant.

The event raised £425 for Renewable World's community based renewable energy projects and is sure to become a permanent fixture in Renewable World events calendar!

Rick Brookes, lead singer of the Hi-Sides, who came up with the idea for the event told us "We were looking for a good cause to benefit from our event, and when we heard about Renewable World we knew that people in Brighton would really get behind the idea of using renewable energy to benefit those less fortunate than ourselves"



Picture: Callum Hurst

Mel's AllStars rock the room at the Green Nose Day Fundraiser.



Tasty stuff: The lovely green cakes, a bargain at just 50p

Renewable Energy Cup



GB Tri-athlete David Wilson is supporting participants with a weekly triathlon blog: www.renewable-world.org/blog



Last year's London Triathlon Renewable Energy Cup winners – Centrica.



Jen Glyn from Renewable World explains the work of the organisation to visitors to EWEA 2011 conference.

Renewable World at EWEA 2011

Renewable World staff have just returned from the EWEA annual event 2011 in Brussels. EWEA supports the work of Renewable World with a donation of €1 per participant at the event, and with nearly 9,000 people attending, the conference and exhibition was one of the biggest yet.

This year the donation will be put towards a wind project in East Africa – bringing light and power to a small, remote community. We will be reporting on this in a future edition. As well as the donation, EWEA provided free stand space for Renewable World at the event, which gave us a great opportunity to introduce our work to nearly 450 companies

who exhibited and many more who attended the event. Our stand was busy all week with people asking how they could get involved, or signing up to join challenge events such as the Renewable Energy Cup at the London Triathlon or running4renewables at the Edinburgh Marathon. See the events page of our website or page 6 of this magazine in New Energy to see where we will be exhibiting next. Next stop for Renewable World will be All-Energy Conference in Aberdeen, so if you are attending the event, come along to stand E-8 to find out more about the new projects we will be starting in Africa this year.

FUNDRAISING HIGHLIGHTS 2011

may	june	july	august	september	october
<p>Edinburgh Marathon, Half Marathon and Hairy Haggis relay 22ND MAY</p> <p>Join the running4renewables team at this event which has a suitable distance for everyone!</p>		<p>London Triathlon 30TH JULY</p> <p>Challenge yourself to the sprint or olympic distance swim, cycle and run or enter the team relay.</p>		<p>Run to the Beat 25TH SEPTEMBER</p> <p>Take part in this unique London Half Marathon and enjoy motivational music along the route.</p>	<p>Race Against Climate Change 23RD OCTOBER</p> <p>Sign up for the Birmingham Half Marathon and take in the sights of Edgbaston Cricket Ground and Cadbury World!</p>



Renewable world's work transforms lives. Working in Africa, Asia and Central America we tackle poverty by supporting local partners to install small-scale renewable energy systems for some of the 1.4 billion people who currently don't have access to electricity. But we can't do it without your help. Here are some of the ways you can get involved today, and make a real difference to the lives of people in remote communities:



Follow us on Twitter

Renewable World has signed up to Twitter! If you are already a twitter fan why not follow us online?

We will keep you up to date with our work and our fundraising campaigns with bite-sized messages of just 140 characters. If you are new to the world of "tweeting" its really simple to sign up and see what everyone is talking about!



Our twitter ID is RenewableWorld.
Just go to www.twitter.com



Carbon Compensate for your summer travel

More people book their summer holiday in April than any other month of the year but travel is a major factor in carbon emissions. Cycling or walking holidays are the best way to keep your carbon footprint low, but if you do go further afield, why not carbon compensate for your travel?

By using the Renewable World online carbon calculator you can work out a donation based on your emissions (compensation costs £27.60 per tonne of carbon based on the 'Social Cost of Carbon' calculated by the government in the Stern Review).

This year the money you donate through carbon compensation will be used to support communities in Nepal where women and children currently have to walk several hours each day on steep terrain to collect water. By providing ram pump technology to lift water to the villages, not only will the burden of water collection be eliminated but also the communities will be able to increase their incomes by extending the growing season for crops. In this way, the money received from carbon compensation will have a life-changing effect on communities which are hit hardest by climate change, and you can relax in the knowledge that your summer break hasn't 'cost the earth.'



It's quick and easy to do, so compensate now:
<https://renewable-world.amee.com>



Shop for the beach

If you are planning a beach holiday and you need to stock up on some summer reading, why not use our Amazon link to buy a few hefty paperbacks?

If you shop using the special links on our website Amazon will give six per cent of the cost of your purchase to Renewable World and it won't cost you a penny! Or if you are spending the great British summer in the garden, why not shop online for tools or outdoor accessories at Nigel's Eco-Store? If you use the link on our website, Renewable World will get 10 per cent commission.



Start shopping now by following the links at:
www.renewable-world.org/get-involved/shop



If you would like to make a donation to Renewable World just go to our website www.renewable-world.org and click on 'donate now', where you can make a one-off gift or download our Direct Debit form to give on a regular basis.

KEEP IN TOUCH

www.renewable-world.org



It's really easy to keep up to date with Renewable World, our projects and how you can get involved. Just go to our website: www.renewable-world.org and click on 'subscribe now'. Give us your details and we will do the rest!

You can unsubscribe or change your details at any time, but don't worry we won't inundate you with mail and we will never pass your details on to anyone else.