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Fresh Air

April 2010

Issue 2

Blowing in the wind



Dear Members
and
friends of Afriwea

As the African Wind Energy Association (AfriWEA) Wind Power Africa 2010 conference approaches, we should begin to put the question in our minds, "How can we make wind power a valuable part of the African energy market?" As most of us already know, wind energy can be a value-added product, in that it strikes a unique balance between meeting various needs of communities and also meeting our energy demands, while leaving only the lightest of ecological footprint behind.

Yet, African nations are again falling behind. We do not produce the majority of the materials needed to manufacture hardware here. A lack of skills development and training in most countries means it will be a difficult task to find qualified personnel to maintain and develop a strong industry. Basic infrastructure deficits mean that most national grids do not meet the standards for widespread development of industrial wind farms.

I challenge developers out there to think about the meaning of 'sustainable development' - a term thrown around rather loosely these days—and try to extend its principles down to the very core of their business models. This means entering into a dialogue with the communities we work with, and responding to their needs. Here are some ideas: We know that wind energy creates ten times more jobs than nuclear and four times more than coal-power production, so right there is a big challenge! Training locals to work on wind farms will create a sense of ownership.

We can also strive, very much at the micro-level, to train school children and young people from the communities we work in about the promise of wind power, and how it can transform their lives.

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JUST OVER ONE WEEK LEFT UNTIL WPA 2010 !!!

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Wind Power Africa 2010
Conference and Renewable Energy Exhibition

12 - 14 May 2010
CTICC, Cape Town, South Africa

Wind Power Africa 2010 is the premier international event on wind energy in Africa hosted by the African Wind Energy Association in partnership with other African and international organisations. A powerful networking platform, the event will bring together key African and international stakeholders from the public and private sectors with the aim to unlock Africa's wind energy potential.

The three-day conference programme will feature over 50 speakers from around the world. A major exhibition will run alongside the plenary and workshop sessions.

For more information about the event and how to participate, please contact Cheryl Peters - cheryl@windenergyafrica.com or Denise Spaul - denise@windenergyafrica.com or call +27 (0) 21 689 7881.



www.windenergyafrica.com



ABOUT THE HOST

The African Wind Energy Association (AfriWEA), a non-profit organisation, was founded in 2002 in order to encourage manufacturers, developers, governments, renewable energy owners

and individuals to promote and support wind energy development on the African continent. With close to 800 members, AfriWEA is offering a powerful world-wide network for the wind energy sector in Africa.



THE ORGANISER

Omega Investment Research is an international marketing, communications and event management firm focussing on Africa. With offices in Cape Town and London, and representatives in major international centres including Washington DC, Munich, Zurich, Singapore, Hong Kong, Beijing and Dubai, Omega has been assisting corporate and public sector clients around the world with services including trade & investment promotion and facilitation, global conferencing and trade missions, fundraising, political risk analysis and international business development. In over 18 years, Omega has conceptualised, initiated and managed over 200 events in 20 countries around the world.



OVERVIEW

Wind energy has become widely recognised as a source of energy that can contribute substantially to a clean, affordable and sustainable energy supply system. Astonishing technological progress has been made by way of constantly improved, economically efficient, multi-megawatt wind turbines as well as new, innovative small scale off-grid applications. The opportunities for wind power in Africa and South Africa in particular are immense due to a favourable investment climate offering profitable feed-in tariffs for wind energy, tremendous CDM project potential, ideal natural conditions, an increasing energy demand in emerging economies and additional electricity generation requirements. Wind Power Africa 2010 will examine the current and future wind energy markets in Africa and highlight attractive business opportunities, with in depth analysis and country case studies. The conference will tackle the full range of wind energy subjects with a focus on developing strategies and instruments for wind energy in less- and non-industrialised countries of the world. The adaptation of successful technologies and strategies to specific regional and local conditions will be a central theme of the event. The programme will address not only technology issues but also policy and regulatory aspects, funding, return on investment and environmental impact.

WHO WILL ATTEND?

Wind Power Africa 2010 will bring together several hundred key players in the wind energy sector and provide the platform for networking with peers, government stakeholders, investors and potential clients. Participants will include government and regulatory bodies, municipalities, energy and utility companies, wind farm owners and operators, wind project developers, private and institutional investors, wind measuring and assessment organisations, law firms, engineering companies, industry consultants, wind power integrators and installers, wind technology developers, turbine and component manufacturers, transmission system operators and planners, research organisations, energy analysts, environmental interest groups, media representatives and others.

EXHIBITORS

Meet our exhibitors from some of the leading countries in wind energy technology including Australia, Canada, Denmark, Egypt, France, Germany, Ireland, The Netherlands, South Africa, UK and the USA.



PROGRAMME OVERVIEW

Wind Power Africa 2010 will consist of a number of plenary and break-away sessions over 3 days. The event also features an Exhibition, a Welcome Cocktail Function as well as a Gala Dinner. Site visits and a tour-programme for international guests can also be arranged. Below please find a brief programme outline. A detailed programme is available on our website: www.windenergyafrica.com

12 May	13 May	14 May
Opportunity for Site-Visits Registration Opening Plenary Exhibition Opening Welcome Cocktail Function	Morning Plenary Afternoon Breakaway Sessions Exhibition & Networking Gala Dinner	Morning Plenary Breakaway Sessions Exhibition & Networking Closing Plenary

CONFIRMED SPEAKERS INCLUDE

- Carlos Gasco, Executive Committee Member, Global Wind Energy Council (GWEC) and Policy Director, Iberdrola, Spain
- Hermann Oelsner, President, African Wind Energy Association
- Martin Berkenkamp, Policy Leader Renewables Europe, GE Energy, Germany
- André Pepitone da Nóbrega, Assessor de Diretor, Brazilian Electricity Regulatory Agency (ANEEL), Brazil
- Paul Eardley-Taylor, Head of Energy, Utilities & Infrastructure Coverage, South Africa & Africa, Standard Bank, South Africa
- Eng. Faisal Eissa, Managing Director, SWEG – Elsewedy for Wind Energy Generation, Egypt
- Ferdi Kruger, Regulatory Specialist, Electricity Regulation Division, National Energy Regulator of South Africa (NERSA), South Africa
- Francis Jackson, Engineering Development Manager, Windlab, South Africa
- Richard Gordon, Project Director, Umoya Energy, South Africa
- Thomas Riboud, Director, RES Southern Africa & New Markets Manager, RES Group, UK
- Kobus Meiring, CEO, Optimal Energy, South Africa
- Dr. Reuben Kainkwa, Physics Department, University of Dar es Salaam, Tanzania
- Paul Tuson, Chief Electrical Engineer T&D Studies - Power Networks, Parsons Brinckerhoff Africa, South Africa
- Pieter Klimp, Managing Director, The Wind Factory International, Netherlands
- Brian Jones, Head: Green Energy, City of Cape Town, South Africa
- Ian Telford, VP Sales & Marketing, LM Glasfiber, Denmark
- Mark Tanton, Managing Director, Red Cap Investments, and Deputy Chairman, South African Wind Energy Association, South Africa
- Andre Otto, Project Manager: South Africa Wind Energy Programme (SAWEP), Department of Energy, South Africa
- Stephen Balint, Strategy & Communications Director, RES Group, UK
- Chanda Kapande, Business Development Manager, Commercial and Advisory Services, Wind Prospect Limited, UK
- Thomas Donnelly, Associate Director, Macquarie Capital, & Head, African Clean Energy Developments, South Africa
- Ray Kavanagh, Global Director: Wind Power, Hatch, Canada
- Tim De Wet, Director - Corporate and Commercial, Deneys Reitz Inc, South Africa
- Mustafa Sofia, Manager - Wind Planning Department, Renewable Energy Authority of Libya
- Dr Clinton Carter-Brown, Corporate Consultant, Eskom - Industry Association Resource Centre, South Africa
- Geoffrey Lee, Principal Engineer, Eon Engineering, South Africa
- Riaan Smit, Chief Engineer: Network Planning, Eskom Distribution: Western Region, South Africa
- Dr Paul Stangroom, Head: Wind Services Team, Wind Prospect Limited, UK
- Nathan Steggel, General Manager (Technical Services), Windlab, Australia
- Dr Keith McLeay, Business Development Director, Mott MacDonald Transmission & Distribution Division, UK
- Frédéric Chevé, Export Sales Manager, Vergnet, France
- Barry Hopkins, Senior Corporate Finance Executive, Mainstream Renewable Power, Ireland
- Dr Greg Van der Toorn, Senior Consulting Engineer, Garrad Hassan & Partners Ltd, UK
- Dr Babette Sievers, Managing Director, RW Leasing, Germany
- Christopher Clarke, Executive Director & Principal, Inspired Evolution, South Africa
- Monika Jakubiec, Global Segment Leader – Carbon, GE Energy, UK
- Ciska Terblanche, CDM Africa Climate Solutions, South Africa
- Taru Madangombe, Eon Engineering, South Africa
- Kinesh Chetty, Origination, Orbeo South Africa
- Charles Rose, Director Wind Energy, BioTherm Energy, South Africa
- Leila Mahomed-Weideman, Director, Mainstream Renewable Power, South Africa
- Ugeshree Thakurpersad, Development Manager: Carbon and Energy, Exxaro, South Africa
- Prof. Dr. Ing. Milthon Serna Silva, Department of Electrical Engineering, Federal University of Sergipe (UFS), Brazil
- David Simkins, Strategic Business Development & Marketing, NRG Systems, USA
- Holger Peters, Technical Development, Inensus, Germany
- Jim Carpy, Director of R&D, Kestrel Wind Turbines, South Africa
- Alain Rosier, Project Manager, Africa Infrastructure Program, USA
- Dr Stephen Ritchie, Wind Measurement International, UK
- Lambert du Plessis, Chief Engineer, Trans Africa Projects, South Africa

www.windenergyafrica.com

Wind and Wine

AfriWEA hosted 30 graduate and PhD students, professors, and researchers from the University of Cape Town this past month at our headquarters in Darling, South Africa. **Wind and Wine** was a chance for students to discuss matters critical to the success of wind energy from diverse academic perspectives, including law, engineering, social policy, and environmental management. Of course our guests also sampled some of Darling's famous wines. AfriWEA learned a lot from the students and their professors and we thank them all for a wonderful day! Hopefully this will lead to a larger dialogue or working collaboration with the University of Cape Town in the future.

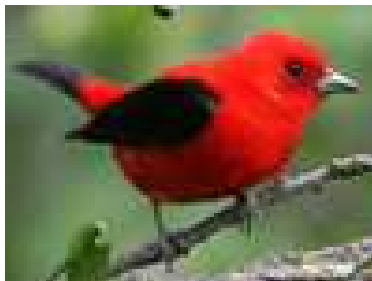


AfriWEA President Hermann Oelsner speaks to University of Cape Town students and professors at the Darling Wind Farm National Demonstration Site in the Western Cape

Endangered Wildlife Trust (EWT)

AfriWEA attended a meeting with the Endangered Wildlife Trust (EWT) and Bird Life South Africa (BLSA) this past month in Cape Town. The two groups want to kick off a dialogue with wind energy developers concerning the possible impacts that wind energy can have on the environment. AfriWEA feels that while these impacts are minimal, we as an industry must investigate all areas of possible ecological impacts and enter into these types of conversations with our stakeholders. We will host a representative from EWT at Wind Power Africa 2010, and we applaud these two groups for their efforts in reaching out to wind energy developers of South Africa. For more information, please visit :

<http://www.birdlife.org.za>
<http://www.ewt.org.za>



Maghreb/Middle East Renewable Energy Conference 2010

26-27 July 2010 - Marrakech, Morocco

26-27 July 2010 Maghreb/Middle East Renewable Energy Conference 2010

The focus of this year's event on the Maghreb/Middle East region presents great attraction to the renewable energy industry, investors and financiers. The region is very attractive as far as the industry is because the impetus to go renewable has never been stronger as Governments in the regions are setting up urgent strategies to accelerate expansion of alternative energy which will see greater percentage of their electricity generation derived from renewable sources as domestic demand for energy steadily rises. **15% discount to AfriWEA members if they code "AWEA" during registration.**

Phone: +65 6391 2555

Email: patricia.chong@magenta-global.com.sg

Website: <http://www.magenta-global.com.sg/merec10/index.php>

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For Example , AfriWEA hosted 30 graduate and PhD students, as well as several professors from the University of Cape Town this past month for a roundtable discussion on wind energy. This type of activity can be replicated and it is up to our members to reach out to local organizations.

Furthermore, we need to realize that there is a market for small-scale renewable energy in Africa Just as mobile phone companies have altered the face of communications in Africa, wind energy can transform the energy landscape. We need to think outside the box, and get much more serious about developing marketable small-scale wind energy technology that can lend itself to the creation of mini-grids and rural development.

I hope that these themes will be on the mind of our guests at Wind Power Africa 2010, and I hope that you will join us if you have not already confirmed your attendance at this important conference. I wish you luck and hope to see you all in Cape Town this coming month!

Sincere Regards,

Hermann Oelsner (President)

Wind Industry News from Africa

World Bank supports South Africa's energy plans

The World Bank's Board of Executive Directors has approved a \$3.75 billion loan to help South Africa achieve a reliable electricity supply while also financing some of the biggest solar and wind power plants in the developing world. This loan was the bank's first major lending engagement with South Africa since the fall of apartheid 16 years ago— aims to benefit the poor directly, through jobs created as the economy bounces back from the global financial crisis and through additional power capacity to expand access to electricity.

Full article: 234next.com/csp/cms/sites/Next/Money/Finance/555353-147/world_bank_supports_south_africas_energy.csp

Phaesun Builds Telecomm Solar Systems In Burkina Faso

Phaesun GmbH, along with its partner Ikratos Africa is building ten solar power plants in Koudougou Region in Burkina Faso. The installations will produce electricity for telecommunications plants. The systems are being built for Telecel Faso, which has up until now covered its network with diesel-powered telecommunications plants so far.

Please visit: www.renewableenergyworld.com/rea/news/article/2010/03/phaesun-builds-telecomm-solar-systems-in-burkina-faso

South Africa Introduces Aggressive Feed-In Tariffs

South Africa's National Energy Regulator (NERSA) announced the introduction of a system of feed-in tariffs designed to produce 10 TWh of electricity per year by 2013. The feed-in tariffs announced were substantially higher than those in NERSA's original proposal. The tariffs, differentiated by technology, will be paid for a period of 20 years.

Read more at: www.renewableenergyworld.com/rea/news/article/2009/04/south-africa-intro...

Developing Nations Eye Renewable Energy

Developing countries are ramping up renewables after Copenhagen. About 151 developing countries took part in the Climate Change conference in Copenhagen in December 2009. Of those, 25 submitted Nationally Appropriate Mitigation actions (NAMAs) in February, many of which call new renewable energy policies, laws and projects.

Please visit: www.renewableenergyworld.com/rea/news/article/2010/03/developing-nations-eye-renewable-energy

Western Cape, South Africa, wind farm project ready for implementation

The 100-MW Hopefield wind farm facility, in the Western Cape, has successfully reached bankable feasibility stage and is ready for implementation.

Please visit: www.engineeringnews.co.za/article/100mw-wind-farm-ready-for-implementation-subject-to-ppa-2010-04-02

South Africa, Land secured for nine renewable-energy projects

While South Africa's power grid struggles to supply the country with enough electricity, nine renewable-energy projects with the potential to produce 3607 MW of power, initiated by joint venture (JV) Mainstream Renewable Power South Africa (Mainstream SA), are under-going environmental-impact assessments (EIAs).

Please visit: www.engineeringnews.co.za/article/renewable-energy-partnership-secures-land-for-nine-wind-projects-2010-04-16

Wind Industry News from elsewhere

EWEC 2010: New Global Player "GL Garrad Hassan"

GL Garrad Hassan is the new name for the business segment renewable energy of Germanischer Lloyd Group (GL). The technical consultancy for the onshore and offshore wind, wave & tidal and solar sectors employs over 650 technical specialists and experts in 35 offices throughout the globe. Read more at: www.gl-garradhassan.com

Great Eppleton wind farm back on the grid

The new scheme now features four state-of-the-art machines. E.ON, one of the UK's leading green power companies, has announced that it has finished fitting state-of-the-art wind turbines to replace the old design at its Great Eppleton wind farm near Hetton-le-Hole. Read more at www.worldrenewables.com/.../great.eppl...

Siemens reaches 2GW Wind Power Generation Capacity in the UK

Siemens reached a UK Milestone of two gigawatt (2GW) generation capacity last month with the installation of turbine E1 at the Gunfleet Sands wind farm off the Essex coast.

<http://www.yourrenewablenews.com/siemens+rea...>

New Online Data Management Service

GL Garrad Hassan launches its new online Data Management (ODM) service at EWEC 2010 in Warsaw, Poland. The new tool helps windpark operators, investors and developers maximizing the value of their wind resource measurement investment via stable, accurate and continuous data collection and review.

Please visit: <http://www.gl-garradhassan.com>

Trina Solar Supplies Modules for PV Power Plant Project in Thailand

Trina Solar Limited, a leading integrated manufacturer of solar photovoltaic (PV) products from the production of ingots, wafers and cells to the assembly of PV modules, today announced that its subsidiary....

Read more at: www.yourrenewablenews.com/trina+olar+...

UK Offshore Wind Industry reaches 1GW Landmark

The landmark first gigawatt (GW) of installed offshore UK wind energy capacity has been reached this week as two wind farms off the coast of Britain began generating electricity: Robin Rigg operated by EON and Gunfleet Sands operated by DONG Energy.

Please visit: www.renewable-uk.com

Renewableuk launches consumer guide to Wind Turbine Installation

Guide, aimed at helping individuals to install their own wind turbines. This guide can be downloaded from the renewableuk website.

Please visit: www.renewable-uk.com

Conferences / Events

April 30—May 2nd

The Sustainable Living Festival
Hoedspruit, South Africa
Tel: +27 82 499 7378
Email: festival@hoedspruit.co.za

May 12-14

Wind Power Africa 2010
Cape Town, South Africa
Email: office@AfriWEA.org
Website: www.windenergyafrica.com

May 25-28

1st International Conference and Exhibition on Renewable Energy and Alternative Fuel
Moscow, Russia
Email: r.liaksa@latref.com
Website: www.reenergy2010.ru

June 9-10

Advanced Renewable Energy Project Finance & Analysis
Doubletree Guest Suites Times Square, New York
Tel: 818.888.4444
Fax: 818.888.4440

June 9

Newnet Wind Energy Investor Forum
Jumeirah Carlton Tower, London
Website: www.WindEnergyInvestorForum.com

June 29—July 1st

Africa Energy Forum 2010
Switzerland
Email: Bruno@energynet.co.uk
Website: www.energynet.co.uk/AEF/AEF2010/programmw.html

July 26—27

Maghreb/ Middle East Renewable Energy Conference 2010
Phone: + 65 6391 2555
Email: patricia.chong@magenta-global.com.sg
Website: <http://www.magenta-global.com.sg/merec10/index.php>

October 13-16

Windtech 2010 International Trade Fair
Istanbul, Turkey
Website: www.windtech-istanbul.com/en/default.asp

November 9-11

Renewable Energy Africa Conference & Expo
Sandton, South Africa
Email: info@reafrica.co.za

November 10-11

Energy Efficiency @ Work
Gauteng, South Africa
Email: christina@eventstraining.co.za
Website: www.saeec2010.org.za

November 22-24

5th International Renewable Energy Storage Conference (IRES 2010)
Berlin, Germany
Tel: +49 228 362 373
Website: www.eurosolar.org

New Publications

Wind Power and its impact on our environment

Andrew Muir 'wrote an article about wind energy and its impact on our environment. Read more at:

www.theherald.co.za/opinion/letters/article.aspx?id=551428

Building a Green Economy

New York Times columnist and respected economist Paul Krugman wrote an extended magazine piece on Building a Green Economy. Please read article at: www.nytimes.com/2010/04/11/magazine/11Economy-t.html?hp

Uganda Veterans Wind Power Initiative

Uganda Veterans Wind Power Initiative, is umbrella organization of Amateurs of wind power (people who do their own education and research) on wind power for local production of wind turbines for electricity aiming to improve the infrastructure of the Ugandan rural population. With demonstration in Kyenjojo district.

UVWPI started as a community based organization in 2008, and was later registered as an Initiative by the registrar of companies in 2010. Among initiative objectives include uniting efforts for improving production activities, and creating access to both common market and regional market.

Please contact:

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Employment Section

[Ceffin C & F is a leading provider of consulting services.](#)

They have a Financial Manager opening. If you are interested in this position please reply to: CeffincfManager@HotPOP.com

Emerging Technology

Wind Data In Tanzania, Chunya

Epoch Resources (pty) Ltd, is seeking for wind data in Chunya, Tanzania.

Contact: Sarah Dyke

Tel: +27 11 656 0381

Email: sarah@epochresources.co.za

Difly Technology Ltd

Professional manufacturer specializing in high power LED lightning, as LED solar STREET LIGHT, LED FLASHLIGHT

Please contact James Zhu for more information.

Tel: 86-133958 44168

jameszhu@mail.nbptt.zj.cn

Sunfire Solutions

SunFire is interested in linking with organizations working with poverty alleviation, energy independence, safe drinking water and free basic energy services.

Tel: +27 08 954 0144/

Email: Crosby@sunfire.co.za/

URL: www.sunfire.co.za

