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# Fresh Air

May 2010

Issue 3

## Blowing in the wind



Dear Members  
 and  
 friends of Afriwea

Happy belated Africa Day! If you were not aware, May 25th is the celebration of African unity in commemoration of the 1963 founding of the Organization of African States (now the African Union). I hope that in our small way, we at AfriWEA can play a part in uniting the people of Africa around a positive mission: clean energy.

Our conference earlier this month, Wind Power Africa 2010, was a tremendous first effort at bringing people together to help solve the energy crisis in Africa. I do not use the word 'crisis' lightly! Demand is far outstripping supply across all of this continent, and in order to catch up most energy producers are leaning towards solutions they feel are cheap and easy. We in the renewables sector need to strive to help educate all members of society about the flexible applications and adaptive solutions that our collective technologies can offer.

AfriWEA was proud to play host to over 400 delegates and 50 speakers hailing from 26 nations. A tremendous time was had by all. Hopefully, long-lasting business and personal connections were also made. The future is wide open for wind in Africa; plans for Wind Power Africa 2011 are already under way.

This month, all the eyes of the world will be drawn to South Africa in particular and Africa in general. Let us use this time to propel a positive vision of this continent, its lively people, immense social and economic potential, and plentiful winds!

A full debrief report from our conference will be coming shortly. Until then, enjoy the tournament and mark your calendar for May 11-13, 2010.

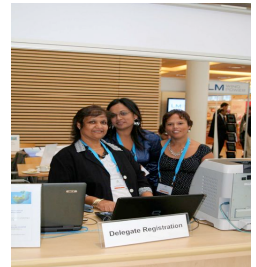
Cordially,

Hermann Oelsner (President)

## WIND POWER AFRICA 2010 - HUGE SUCCESS!!!!

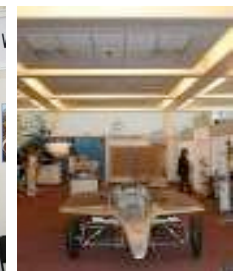


Site-visit to Eskom's turbines at Klipheuwel



Welcome

### A FEW OF THE EXHIBITORS





**President Hermann Oelsner giving his welcome address.**



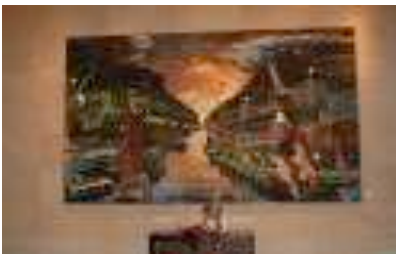
**Musicians at the Welcome Cocktail Function**



**Hermann Oelsner receiving Green Electricity Certificate from City of Cape Town Alderman Clive Justus (Electricity generated from the Darling Wind Farm)**



**Networking**



**Gala Dinner**

### Something missing here?

This is your Association's newsletter. Is there something you would like to write for us or have us include in next month's edition? Please email any suggestions or postings to [office@afriwea.org](mailto:office@afriwea.org).

### In Backing Clean Energy Start-Ups, Fund looks for Longer Résumés

- Virgin Green Fund, an investment firm backed by Richard Branson, is not going after the hottest new clean energy start-ups. Instead, it wants the ones facing a midlife crisis. Click on the link to read full article: <http://www.nytimes.com/2010/05/10/business/energy-environment/10virgin.html?ref=todayspaper>

### How to build your own wind turbine workshop

Participants will learn how to make an efficient and durable wind turbine from scratch in this intensive, three-day, hands-on workshop. Working together, participants will complete a 3 meter diameter, 1 kW wind turbine and work towards the completion of another small turbine if time permits. We will also erect the completed turbine on a tower. These turbines are designed for battery charging systems, 12-48 volts. The wind turbine is designed by Hugh Piggott (<http://www.scoraigwind.com>).



**Organiser:** Piet Willem Chevalier  
([pwchevalier@hotmail.com](mailto:pwchevalier@hotmail.com))

**Tel:** 0031 624 6788 25

**Date:** 11- 13 June 2010

**Place:** Hoef ten Halve 3, Helvoirt, Holland

**Cost:** 450 Euro



This is an excellent opportunity for participants to learn a variety of skills, such as wood working, welding and connecting electronics.

### Who should attend?

Please note that no experience or skills are required to participate on this course.

- Anyone interested in building their own turbine
- Individuals interested in gaining hands-on experience in the wind energy field
- Engineers interested in learning wind turbine design and construction
- Environmental passionates who are interested in learning more about wind turbine and its capabilities

AfriWEA President, Hermann Oelsner was asked to comment about the relevance of wind energy on our future globalenergy picture on the EuroNews website, Comment: : Visions. For his views and more please follow the link below.

<http://www.commentvisions.com>

## Wind Industry News from Africa

### *Sierra Leone, Parliament Ratifies Energy Protocols*

The House of Parliament of the Republic of Sierra Leone has approved the ECOWAS Energy Protocol and the International Renewable Energy Agency Statute (IRENA). These motions were earlier on brought before the Honorable House on Thursday 15th April 2010 by the Minister of Energy and Water Resources Professor Ogulande Davison.

Full article: [ws.sl/.../article\\_200515301.shtml](http://ws.sl/.../article_200515301.shtml)

### *France injects money into Ethiopia's renewable energy*

Ethiopia has signed a financing agreement with France amounting to 210 million Euros for the implementation of the Ashegoda Wind Power Project in Ti-gray State. Please visit: <http://www.afrol.com/articles/33181>

### *Tanzania: Renewable energy project to curb deforestation launched*

A project to boost renewable energy in the country has been launched aiming at curbing deforestation which is now said to be at 400,00 hectares per annum. Read more at: [ngonewsafrika.org/.../Tanzania-renewables](http://ngonewsafrika.org/.../Tanzania-renewables)

### *Belgian Company starts its First Wind Energy Project in Africa*

Belgian green electricity company, Electrawinds, has begun the construction of a wind turbine in the harbor of Coega, near Port Elizabeth, South Africa.

Please visit: [allafrica.com/stories/201005140618.html](http://allafrica.com/stories/201005140618.html)

### *Senegal advised against "extravagant nuclear energy"*

Specialists in renewable energies claim to document that Senegal's plans to develop nuclear power plants are an "extravagancy" for the poor country, where conditions would be perfect for a quicker and cheaper production of solar energy. Please visit: <http://www.afrol.com/articles/36130>

### *Egypt to host Dutch solar materials plant*

Egypt is to host a factory producing raw materials and gas to generate solar energy, with \$460 million on investments in total.

Please visit: [www.reuters.com/article/idUSTRE62J11P20100320](http://www.reuters.com/article/idUSTRE62J11P20100320)

### *Kenyan born Ameet Shah honoured with Global Green Award*

Astonfield Renewables, Inc., a company co-founded by Kenyan born Ameet Shah, has been awarded the prestigious Global Green Award for his contributions towards environmental sustainability and economic development in emerging markets.

Please visit: [www.africagoodnews.com/environment/kenyan-born-ameet-shah](http://www.africagoodnews.com/environment/kenyan-born-ameet-shah)

### *Kenya: Cost of Electricity to come down as dams fill up*

Power consumers face lighter bills from next month as the onset of rains reduces dependence on expensive fuel-driven generators to provide the country's electricity.

Please visit: <http://www.earthwire.org/africa/?t=20>

## Wind Industry News from elsewhere

### *Affordable Solar Power with Purple Pokeberries?*

Researchers at Wake Forest University's Center for Nanotechnology and Molecular Materials are trying to achieve source of clean and green power through pokeberries! Pokeberries could be helpful in making solar power accessible to many. Read more at: [www.alternative-energy-news.info/affordable-solar-power](http://www.alternative-energy-news.info/affordable-solar-power)

### *Offshore green energy could make UK net exporter by 2050*

Study claims UK offshore wind, wave and tidal energy could turn the country into a net exporter of energy once more. Read more at [www.guardian.co.uk/.../offshore-green-energy](http://www.guardian.co.uk/.../offshore-green-energy)

### *Chinese engineers propose world's biggest hydro-electric project in Tibet*

Mega-dam on Yarlung Tsangpo river would save 200m tones of CO2 but could spark conflict over downstream water supply.

<http://www.guardian.co.uk/.../Chinese-hydroengine...>

### *Australia's Revised Renewable Energy Target Before Parliament*

The Renewable Energy Target—which requires 20 per cent of energy to be sourced from renewables by 2020—will increase the average household electricity bill by \$41 a year, but the scheme amendments before Parliament will account for just \$2 of that amount.

Please visit: <http://www.energymatters.com.au/index/php?mai...>

### *Ireland hits renewable energy target for 2010*

Ireland last year generated 14.5pc of its electricity from renewable sources, a report on renewable energy in Ireland from the Sustainable Energy Authority of Ireland (SEAI) has shown. Read more at:

[www.businessandleadership.com/.../ireland-...](http://www.businessandleadership.com/.../ireland-...)

### *Hydrogen Gas production doubled with new Super Bacterium*

Hydrogen gas is today used primarily for manufacturing chemicals, but a bright future is predicted for it as a vehicle fuel in combination with fuel cells. Please read article at: [www.alternative-energy-news.info/hydrogen](http://www.alternative-energy-news.info/hydrogen)

### *Extensions to offshore zones prove sector strength in UK*

The Crown Estate announces 2 gigawatts (GW) of extensions to offshore Round 1 and Round 2 sites. More space to build on the back of strong offshore growth and developer demand. Seven projects granted extensions, due to come on-stream by 2016

Please visit: <http://www.thecrownestate.co.uk/newscontent/92-r1-r2-extensions.htm>

## Conferences / Events

### June 9

**Newnet Wind Energy Investor Forum**  
Jumeirah Carlton Tower, London  
Website: [www.WindEnergyInvestorForum.com](http://www.WindEnergyInvestorForum.com)

### 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 9-10

**SKF Wind Farm Management Conference**  
Copenhagen, Denmark  
Contact: [windenergy@skf.com](mailto:windenergy@skf.com)

### June 9-10

**LAWEA Workshop**  
Medellin, Colombia  
[www.lawae.org](http://www.lawae.org)

### June 14-16

**4th Quebec Wind Energy Industry Conference**  
Gaspé Québec, Canada  
[www.eolien.qc.ca/colloque2010](http://www.eolien.qc.ca/colloque2010)

### June 15-16

**AEE Wind Energy Industry**  
Madrid, Spain  
Email: [AEEeventos@aeolica.org](mailto:AEEeventos@aeolica.org)  
URL: [www.eolica.org](http://www.eolica.org)

### June 15-17

**9th WVEC 2010**  
Istanbul, Turkey  
[www.wwindea.org](http://www.wwindea.org)

### June 23-25

**Wind Power Asia 2010**  
Beijing, China  
[www.windpowerasia.com](http://www.windpowerasia.com)

### June 29—July 1st

**Africa Energy Forum 2010**  
Switzerland  
Email: [Bruno@energynet.co.uk](mailto: Bruno@energynet.co.uk)  
Website: [www.energynet.co.uk?AEF/AEF2010/programmw.html](http://www.energynet.co.uk?AEF/AEF2010/programmw.html)

### July 12-16

**ERRA Summer School: Introduction to Energy Regulation**  
Budapest, Hungary  
Tel: (36 1) 438 1030  
Fax: (36 1) 212 4076  
Mail: [eycbsecretariat@co.int](mailto:eycbsecretariat@co.int)  
<http://www.eycb.coe.int/>

### July 20-21

**"Investing in Renewable Energy"**  
Southern Sun Grayston, Johannesburg, South Africa  
Tel: +27 33391 4229  
Fax: +27 86 591 7037  
Email: [global24@globalprospectus.co.za](mailto:global24@globalprospectus.co.za)  
Website: [www.globalprospectus.co.za](http://www.globalprospectus.co.za)

### July 26—27

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

### August 31—3 Sept

**East African Power Industry Convention (eapic)**  
Nairobi, Kenya  
Contact: Michael Judge  
Tel: +27 33 391 4229  
Email: [global24@globalprospectus.co.za](mailto:global24@globalprospectus.co.za)  
URL: [www.globalprospectus.co.za](http://www.globalprospectus.co.za)

## Welcome

AfriWEA kindly welcomes German student Henning Wech, who will complete research for AfriWEA about the potential for mini-grids and small-scale renewables in Africa. AfriWEA frequently hosts such interns on a casual basis. To inquire, please email: [office@afriwea.org](mailto:office@afriwea.org).



Henning Wech

## Transport Specialist Needed

### DOLL Fahrzeugbau AG

Doll Fahrzeugbau AG is a German company, manufacturing high-tech transport solutions. They are searching for windmill transport companies in South Africa.

#### Please contact:

**Pierre Marx**  
Tel: +49 (7804) 49 125,  
Fax: +49 (7804) 49 7125  
Mobile: +49 170 905 97 81,  
<http://www.doll-oppenau.com>

## Employment Section

### VANANCIES AT GL GARRAD HASSAN

#### Wind Farm Design Project Manager (USA, Portland)

The primary focus of this role resource is delivering of wind Project Development services.

#### Wave an Tidal Turbine Engineer (USA, Portland or San Diego, CA)

The focus of this role is to lead technical analysis of marine (wave, tidal and ocean current) energy projects in North America.

#### Systems Developer and Application Support (UK, Bristol)

Software Engineer needed for support and development role within the GL Garrad Hassan software development team.

#### Senior Engineer—Electrical Projects (Germany, Oldenburg or Hamburg)

To enhance the team we are searching for a Senior Engineer to work in the Oldenburg of Hamburg office.

#### Part-Time Administrator (6 month fixed term contract (Netherlands, Heerenveen)

Working in our Heereneveen office, the role will provide administrative support to Engineers and Senior Managers.

#### Power Performance Measurements (PPM) Turbine Engineer (USA, Austin TX)

The primary focus of this role is conducting power performance measurement analysis for constructed utility scale wind farms.

#### Turbine Measurements Loads Engineer (USA, San Diego, CA)

The primary focus of this role is conducting meteorological, electrical and mechanical load measurement and analysis for constructed utility-scale wind turbines

#### Energy Analyst Engineer Intern (USA, Portland,)

An opportunity exists in our Energy Group for an Energy Analyst Engineer Intern.

#### Control Algorithm Designer (UK, Bristol)

An opportunity exists in our Control group for a Control Algorithm Designer. The primary focus of this role is to design and develop control algorithms for modern commercial wind turbines.

**To apply for any of the above positions please visit:**

[www.gl-garradhassan.com/vacancies.html](http://www.gl-garradhassan.com/vacancies.html)