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# Fresh Air

March 2010

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## Blowing in the wind



Dear Members  
and  
friends of Afriwea

This is an interesting time for wind energy in Africa. Small-scale and industrial development seems to be picking up across the continent, from Cairo to the Cape, from Dakar to Ethiopia– and do not forget Mauritius and Madagascar! Wind energy is in the media, on the minds of government officials, and has peaked the curiosity of communities all over the globe. To give an example from South Africa, I was very pleased by the amount of developers (roughly 100) who showed up for the recent South African Wind Energy Program workshop here in Cape Town this month

At AfriWEA we have a busy year ahead of us. We are very proud to be the principal host of Wind Power Africa 2010, to be held in Cape Town, May 12-14 at the Cape Town International Convention Centre. We hope you can join us. This event will be very important for developers, regulators, investors, and civic leaders. Also, look out soon for a new website, with interactive features, updated content, and an improved design.

AfriWEA is committed to help create a strong wind energy industry in Africa. This includes helping African nations and peoples reach their overall economic and social development goals. Our industry can create healthy relationships with communities, by bringing in jobs and worker and community education. AfriWEA aims to be the hub where the exchange of such information and ideas is realized. Any association is as good as the commitment of its membership. We hope that this year, as we take on new challenges, you will support us with your information, time, and financial support if possible. Together, we can change the energy picture on the African continent.

Best Regards  
Hermann Oelsner (Afriwea President)

## WIND POWER AFRICA 2010!!



**WPA 2010** will take place from **12-14 May 2010** at the **Cape Town International Convention Centre** in Cape Town, South Africa featuring a high-profile Conference & Renewable Energy Exhibition Site Visits, a Networking Cocktail, Gala Dinner and Spouses Programme over the 3-day period.  
Organized by: **OMEGA INVESTMENT RESEARCH**

Please visit:

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



## Wind Industry News from Africa

### *Siemens turns its energies to wind and solar*

Siemens Energy Southern Africa, a supplier to Eskom's fossil fired plants and pumped storage schemes, aimed to expand its renewable energy unit into its biggest division, chief executive Dion Govender said yesterday. The local company, a subsidiary of German industrial conglomerate Siemens, does not disclose financial figures but its turnover already runs into several billion rands. Its largest units by revenue are fossil power generation, transmission and energy services.

Full article: [www.busrep.co.za/index.php?fSectionId=5619&ArticleId=5383868](http://www.busrep.co.za/index.php?fSectionId=5619&ArticleId=5383868)

### *Ethiopia: Gtz Plans 15,000 Solar Projects Per Month*

The GTZ is planning to install 15,000 solar systems per month in Ethiopia, where only less than one per cent of the rural population uses solar power because of low investment in the sector. It is working on developing solar energy, hydropower energy, and wind energy systems in Ethiopia. The installation will serve as a backup system in areas where electricity is available and as a source of energy in areas where electricity is not available. Please visit: [www.skyscrapercity.com/showthread.php?p=52776091](http://www.skyscrapercity.com/showthread.php?p=52776091)

### *Kenya's Lake Turkana Wind Power (LTWP),*

said on Wednesday it will offload a 70 percent stake in its wind energy project to South Africa's Industrial Development Corporation and London-based energy firm Aldwych International. LTWP is building a 300 megawatt wind farm in Kenya, with the first 50 MW feeding into the national grid by the end of June 2011.

Read more at: [af.reuters.com/article/investingNews/idAFJ0E62901A20100310](http://af.reuters.com/article/investingNews/idAFJ0E62901A20100310)

### *New Project 75km Northwest of Dakar*

Chapin International has announced its involvement as financial advisor to the Parc Eolien Taiba N'Diaye. The project will be located 75 km northwest of Dakar in the commune of Taiba N'Diaye and will consist of 50 Nordex N-100 Turbines for a total of 125 megawatts. The project is anticipated to reach financial closing in September 2010 and will be completed during the first quarter of 2012.

Please visit: [www.chapininternational.com](http://www.chapininternational.com)

## Wind Industry News from elsewhere



### Announcement by UK Government and Mitsubishi

"BWEA is delighted with the announcement which underlines the keen interest of major international players in the UK wind energy programme. This tremendous commitment from Mitsubishi and the UK Government follows the major announcement of the start of the new Clipper Wind power factory in Newcastle upon Tyne, which will be home to the largest wind turbine blade in the world. Read more at [www.decc.gov.uk](http://www.decc.gov.uk)

### Wave and tidal plan must be followed by Government Investment

RenewableUK( formerly BWEA), called at its annual wave and tidal energy conference for the Government to invest a further £150-£200 million in the two technologies, with a view of solidifying the UK's lead in the sector and creating world class wave and tidal industries. Read more at [www.renewable-uk.com](http://www.renewable-uk.com)

### British Small Wind Association—Helping our Industry

There has been growth in membership - the member details will be published on their website which should be live in a few days. For more information about the BSWA, go to:

<http://mailings.orphanspress.co.uk>

### Kintech Engineering Launches 3rd Generation Wind Data Logger

Kintech Engineering today announced the release of a new data logger for wind assessment. With several new telemetry features and complying with the IEC-61400-12 standard the EOL Zenith will revolutionize the market for wind assessment and the way wind energy developers manage and access their wind data remotely. Please visit: <http://www.kintech-engineering.com>

### Garrad Hassan announces service suite for small-scale wind and solar photovoltaic project developers.

Bristol, UK Hamburg, Germany— In response to the department of Energy and Climate Change's (DECC) new Feed -IN-Tariff scheme for small-scale renewable projects in the UK, international renewable consultancy, Garrad Hassan, announces a specialist service suite for developers of small-scale wind and solar photovoltaic projects.

Read more at: [www.garradhassan.com](http://www.garradhassan.com)

### RenewableUK supports Government's Marine Energy Action Plan announcement

"With the publication of the Marine Action Plan (MEAP), the Government's renewable energy policy has taken a significant step forward. MEAP creates, for the first time, an opportunity for the public and private sectors to discuss the key actions required to develop the UK marine energy industry.

Please visit: [www.renewable-uk.com](http://www.renewable-uk.com)

### The secret motto of the World Climate Conference by Dr. Hermann Scheer

The main reason why the public around the world were so shocked by the shameful outcome of the World Climate Conference in Copenhagen was that they were basically unprepared for failure. Everything seemed to be pointing to a success: a manifestly pressing problem, upbeat government announcements, urgent appeals from NGO's.

Read full article at : [www.wcre.org](http://www.wcre.org)

## Conferences/ Events

**March 22-26, 2010**

### European Union Sustainable Energy Week

Brussels, Belgium  
Email: [attendees@sustenergy.org](mailto:attendees@sustenergy.org)  
Website: [www.uestav.eu](http://www.uestav.eu)

**March 27**

### International Conference on Alternative Energy

Karachi Expo Centre, Pakistan  
Email: [info@icedxb.com](mailto:info@icedxb.com)  
Website:  
[www.powerasia.com.pk](http://www.powerasia.com.pk)

**April 6-7**

### Eastern Africa Renewable Energy Summit

Laico Regency Nairobi  
Website: [www.e-ideagroup.net](http://www.e-ideagroup.net)

**April 12-15**

### Renewable Energy Finance

Singapore  
Tel: 65 68 35 5148  
Email: Sam-uel.bianzon@informa.com

**April 19-20**

### 9th ERRA Energy Investment & Regulation Conference

Budapest, Hungary  
Website: [www.erranet.org](http://www.erranet.org)

**April 28th**

### Small Wind Turbine Basic Seminar

Torraona, Spain  
Email: [gabrielle.struthoff-mueller@otti.de](mailto:gabrielle.struthoff-mueller@otti.de)  
Website: [www.de/pdf/swt3592.pdf](http://www.de/pdf/swt3592.pdf)

**April 30—May 2nd**

### The Sustainable Living Festival

Hoedspruit, South Africa  
Tel: +27 82 499 7378  
Email: [festival@hoedspruit.co.za](mailto:festival@hoedspruit.co.za)

**May 12-14**

### Wind Power Africa 2010

Cape Town, South Africa  
Email: [office@AfriWEA.org](mailto:office@AfriWEA.org)  
Website:  
[www.windenergyafrica.com](http://www.windenergyafrica.com)

**May 25-28**

### 1st International Conference and Exhibition on Renewable Energy and Alternative Fuel

Moscow, Russia  
Email: [r.liaksa@latref.com](mailto:r.liaksa@latref.com)  
Website:  
[www.reenergy2010.ru](http://www.reenergy2010.ru)

**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/programm.html](http://www.energynet.co.uk/AEF/AEF2010/programm.html)

**October 13-16**

### Windtech 2010 International Trade Fair

Istanbul, Turkey  
Website: [www.windtech-istanbul.com/en/default.asp](http://www.windtech-istanbul.com/en/default.asp)

**November 10-11**

### Energy Efficiency @ Work

Gauteng, South Africa  
Email: [christina@eventstraining.co.za](mailto:christina@eventstraining.co.za)  
Website:  
[www.saeec2010.org.za](http://www.saeec2010.org.za)

**November 22-24**

### 5th International Renewable Energy Storage Conference (IRES 2010)

Berlin  
Website: [www.eurosolar.org](http://www.eurosolar.org)

## New Publications

### WWEA - World Energy Report 2009 - Part I

Worldwide wind power capacity reached 159,213 MW, out of which 38,312 MW were added in 2009. Wind power showed a growth rate of 31,7 %, the highest rate since 2001. The trend continued that wind capacity doubles every three years. All wind turbines installed by the end of 2009 worldwide are generating 340 TWh per annum, equivalent to the total electricity demand of Italy, the seventh largest economy of the world, and equaling 2 % of global electricity consumption.

Read more at: [www.wind-fair.net/press/7190.html](http://www.wind-fair.net/press/7190.html)

### Eurosolar announces the 2010 European Solar Prize/ Proposals are accepted until the end of June

Bonn, February 2010—Outstanding achievements, innovation and creativity in expanding the use of renewable energy will be recognized through the annual EUROSOLAR European Solar Prize also this year. EUROSOLAR accepts applications and proposals until 30th June 2010. The recipients will be honoured at a ceremonious event. Established in 1994 the European Solar Prize has since been given for outstanding projects and individual achievements in making an exemplary contribution to the use of Renewable energy. To find more on how to enter, the online entry form, please refer to [www.eurosolar.org](http://www.eurosolar.org)

## 6. Emerging Technology

### High Efficiency Horizontal Axis Wind Turbine

Yogesh Sonar, is the inventor of "High Efficiency Horizontal Axis Wind Turbine"  
This invention comprises Wind Turbine Head having very high RPM limit,. The unique features of my invention are low Cost, High Efficiency & Very Low Maintenance. Another object of this invention is that the system can work very well without resisting high RPM related problems. It means the rotor can rotate/ racing to gain its natural optimum efficiency irrespective of the RPM, this all being done by using a simple passive system. To view prototype for much better understanding of this invention, click on the link of the video clip on "YOU TUBE", at [www.youtube.com/watch?v=cKD9Wna4TXY](http://www.youtube.com/watch?v=cKD9Wna4TXY)  
For more information please contact Yogesh Sonar at: Tel: 0922 649 907 22, Email: [yogesh\(underscore\)sonar2003@yahoo.co.in](mailto:yogesh(underscore)sonar2003@yahoo.co.in)

### IDOL Energy, Pneumatic Wind Turbine System

Pneumatic Wind Turbine System has a fan span of 5 meters which turns the air pump of pressurized air production. This pressurized air is transported to the air tanks by plastic pipes. By taking the pressurized air from the air tank, using the pneumatic motor, the alternator is turned in the electric production kit, producing electricity like a generator. For complete article, please go to: [www.idolmotor.com/](http://www.idolmotor.com/)

### Biomass Gasification Gas Engine Generator

Syrutec Int Group China-H.K. Ltd , specializes in Biomass Green Energy Power, Stations, Gasification's of any size with standard Internal Combustion Engines from 300KW-15.0M.W providing also solutions up to even 50MW by steam etc. Please log onto their website at [www.rmze.com](http://www.rmze.com) to view all their products.

### N & Z Instruments

NON-CONTACT FLOW METER (ACCURATE FLOW MEASUREMENT FROM OUTSIDE A PIPE)

The flow sensor of the Greyline Doppler meter straps on to the outside of plastic or metal pipes 13 to 4,500 mm in diameter. Ideal for any liquids that contain solids or bubbles. For more details click on: <http://www.greyline.com/dfm5.htm>

### Ion Power, Inc/ USA

Representing Ion Power/ DuPont and promoting and selling NAFION for Manufacturer of membrane electrode as (MEAs) for fuel cell and water electrolyzer applications. NAFION PFSA materials is available in pellet, finish membrane, or disperse form. Please see for complete details: [www.ion-power.com](http://www.ion-power.com)

### Roller Alignment Instrument

DigiNip is a powerful new system that allows the quick and easy diagnosis of roller conditions - the nip contact point. Please visit: [www.sensorexpert.com/diginip.html](http://www.sensorexpert.com/diginip.html)



## 7. Employment Section

[Adecco is a Fortune Global 500 Company and the Global leader in HR Services.](#)

They currently have the position as: [Wind Turbine Service Technician](#) available. Please [click here](#) to view full advertisement.

[Invitation to apply for "IWRM for the Zambezi Riparian Countries 2010"](#)

From the Stockholm International Water Institute: Our international training programme for professionals working with water and environmental issues in the Zambezi region is now open for applications. The objective of the programme is to build capacity for supporting and consolidating the development process of Integrated Water Resources Management (IWRM) in the riparian countries of the Zambezi river basin, including cross border collaboration. Please visit: [www.siwi.org/sa/node.asp?node=882](http://www.siwi.org/sa/node.asp?node=882) Closing date: 16 April 2010