



## REPORT OF NIGERIA ALTERNATIVE ENERGY EXPO 2012



**OGUN STATE GOVERNMENT**  
in collaboration with Mathesis Consulting UK

*Host*







**2012 naee**  
NIGERIA ALTERNATIVE  
ENERGY EXPO

**Theme:**

**“Alternative Energy  
for Increase  
Capacity and Sustainability”**

Date: October 29th -31st, 2012  
Venue: June 12 Cultural Centre, Kuto,  
Abeokuta, Ogun State.



## **EXECUTIVE SUMMARY OF NAE 2012**

The 2012 NAE Expo was hosted by the Ogun State Government, otherwise known as the “Gateway State” 120 kilometers north of Lagos Metropolis. More than 25 corporate organisations, the neighbouring Lagos State Government and Federal Nigeria Ministerial Departments including the National Office for Technology Acquisition and Promotion, (NOTAP) Renewable Energy Division of Nigeria National Petroleum Corporation NNPC, Energy Commission of Nigeria as well as the Bank of Industry. Built around the theme “Alternative energy for increase capacity and sustainability,”

The June 12 Cultural Centre in Abeokuta, the State Capital was refurbished for this purpose and was agog before the State Governor, Senator Ibinkunle Amosun declared the events open on 29th and lasted till 31st October, 2012. Guests were entertained by the state’s cultural troupe.

The Nigerian Alternative Energy Consortium, a global energy advocacy stakeholders’ forum packaged by Mathesis Consulting, UK, the PAX SA Limited, jointly mobilised by the Ogun State Government and African Sustainable Energy Alternative, (AFSEA) South Africa Alternative Energy Association (SAAEA) which provided the successful hosting of this year’s edition. It showcased Nigeria’s economy, know-how and enthusiasm for resilience base on the wind of knowledge.

On the 2013 edition to be hosted in Lagos stakeholders has urged clients to take advantage of the biggest Alternative Energy event in West Africa by booking early.

### **Event Attraction**

Nigeria Alternative Energy Expo is West Africa's largest and most holistic Alternative energy business event: an exhibition, strategic conference and Seminar presentation of quality working papers by both academics and industry experts which showcased innovation, expertise and solutions in seven theme areas thus:

- i. The Solar Show
- ii. Wind Power World
- iii. Clean Technology World
- iv. IPP and Co- Generation Show
- v. Bio Energy World
- vi. Waste to Energy
- vii. Nigeria Eco Awards



*Executive Gov. Amosun arrives*



*Gov. Amosun reads his Welcome Address*



*Scene at Bank of Industry/UNDP Access to Renewable Energy Programme Stand*



*Governor Amosun and Cabinet Representatives at the Opening Ceremony*



*South African Delegates listen to Welcome Address by Gov. Amosun*



*Governor Amosun cuts the tape at the Opening Ceremony*



*Governor Ibikunle Amosun welcomes exhibitors and SA delegates*



*Activities at the Registration Desk*



### ***Exhibitors at the South African Centre for Export Development Desk***

The conference was a world-class three -day plenary sessions followed by a courtesy visit to the Governor Amosun at the Government House who interacted exclusively with all the exhibitors on one-on-one basis as a way of finding energy solutions with a view of tackling all projects and energy challenges in the region. He intimated delegates that after the energy audit which their expertise would be called to bear, there would the signing of Memoranda of Understanding with various groups who would be development partners in the state.

The events were covered livered by the DSTV's Click Business in Africa focusing on everything in power related, dialogues giving delegates insight on where the industry stands at the moment. Participants were able to assess existing and new technology based projects are going as well as opportunities on the horizon. At the forthcoming audit sponsored by the Bank of Industry and facilitated by the National Energy Regulatory Commission and the Council for Renewable Energy of Nigeria, (CREN).

Sessions will cover the following:

Solar technology

Wind power

Off grid technology

Energy efficiency

Renewable Energy projects and solutions

Smart Transmission and &Distribution

Independent Power Providers

Finance

Carbon Opportunities

Retrofit Green building solutions

Client Relationship Management and revenue management

Innovative Products and Networking Opportunities

### **Fast Facts**

This will help in contributing towards actualising the United Nations Millennium Development Goals, MDGs.



*Solar Energy for home utilities promoted by the Bank of Industry*



## **Power and Energy Mission and Goal**

There have been constant calls by energy consumers and other stakeholders for improvement in the situation as they believe the quickest way to energise the nation's comatose economy is the adoption of renewable power delivery.

According to the Special Adviser to Ogun State Governor on Energy, Chief Taiwo Fagbemi articulated the objectives of the hosting the exhibitions thus:

- ✓ To create the awareness of all stakeholders of the need to focus on adequate and affordable power supply from renewable resources
- ✓ To promote and utilise renewable energy delivery and create economic empowerment and transformation in the life of the rural and urban population in terms of employment creation, infrastructure in education, health and transportation services
- ✓ To assess available energy technologies being showcased and choose to partner with in line with the credible partnership options the governor is providing through a variety of incentives.
- ✓ Undertake energy audit of the state with the experts in collaboration with the Energy Regulation Commission and identify the various energy needs of the predominantly rural communities dependent on agrarian economy in the state's 20 Local Government Areas and determine the most efficient ways of meeting such demands.
- ✓ Determine how the state could meet its shortfall from current meagre 30 to 40 MW from the national grid to augment to its target of 1,000MW to meet economic expansion.
- ✓ To interact with the foreign investors and assess their various options in energy solutions and they could contribute in the development of the state.
- ✓ To bridge the gap between investors and renewable energy project development in Ogun state and Nigeria as a whole while presenting the state as a fertile investment environment ready for business.



*South African Delegates rise to applaud Governor Amosun after his Address*



***Taiwo Fagbemi speaks to Press***

**Other objectives:**

- Creating platform for all stake holders to network and transfer knowledge and skills.
- Raise awareness and educate the public about climate change in Nigeria and Ogun state in particular and specifically to highlight cardinal point initiatives in the area of rural and infrastructural development and generational goal.
- To showcase both local and international initiative at the forefront of renewable energy technology and climate change resilience.
- To create a platform for private organizations, government and Non Governmental Organizations to showcase alternative Energy solutions and climate change initiatives and technologies.

Investment and development operators, developers, government and investors had concurrent meeting opportunities with the Council for Renewable Energy of Nigeria (CREN) on a host of topics across the sector including the latest IPP legislation implications. With top speakers from the coalface of the industry, this event is the intelligent energy practitioner's guide to the pulse of a growing and dynamic sector. The leader of the South African Delegation, Alwyn Smith delivered a stimulating paper on sustainable renewable energy options while the editor of African Sustainable Energy Magazine, Emmanuel Onyejeose spoke on the desire of corporate Nigeria for private sector energy driven economy. Conference explored opportunities, challenges and advances in the energy industries from South Africa.

### **Full list of Exhibitors at Nigeria Alternative Energy Expo 2012**

1. Southern Africa Alternative Energy Association

[www.saaea.org](http://www.saaea.org)

Industry leaders in Africa focusing on Renewable Energy - Solar, Wind, Biomass, Biogas, Bio-fuels and Wave/Tidal, etc.

2. Grundfos Company

Based in Denmark, China, USA & Germany, RSA

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

Solar Water Pumps– submersible, booster pumps, Circulators and energy efficient solutions

3. DV8 -Alternative Housing company .  
[www.dv8.com](http://www.dv8.com)
4. Black Lite Energy Ltd  
[www.blacklite.co.za](http://www.blacklite.co.za)  
Manufacturers of Thin Solar Panel
5. Anji DASOL  
[www.dasol.cn](http://www.dasol.cn) Manufacturers of Solar Panels
6. Bam Equipment and Technologies Ltd [www.bam-solutions.com](http://www.bam-solutions.com)  
Bam Solutions are based on sustainable development in alleviating hazards of climate change mainstream in economic growth and adaptation with uncontrolled
7. Tasol [www.tasolsolar.co.za](http://www.tasolsolar.co.za)  
Hybrid Solar Systems, Solar powered geyser, Retrofit, PV system design  
Heat Pumps, Vacuum pipes
8. ATEF Group of Companies [www.atef.az](http://www.atef.az) Transformer manufactures and electric , consulting & engineering
9. Black Jills Engineers [www.blackjills.co.za](http://www.blackjills.co.za)  
Waste to Energy plants, House water geysers, Solar powered houses
10. Agama Energy  
[www.biogaspro.com](http://www.biogaspro.com)  
Agama biogas pro fabricated, bio gas digester
11. Calliper Engineering  
[www.calliperprojects.co.za](http://www.calliperprojects.co.za)  
Designs and installation of solar installations and plants.
12. Current Automation  
[www.rectifier.co.za](http://www.rectifier.co.za)

- Inverters & Solar panel and related products – Battery chargers, regulators and Inverters
13. Ateg Lighting technology  
[www.atnig.com](http://www.atnig.com)  
 Clean and portable power & Lighting devices – Direct Methanol Fuel Cell technologies
  14. Grey Green  
[www.greygreen.co.za](http://www.greygreen.co.za) Solar Thermal system design and feasibility analysis (including SWH)  
 Industrial waste heat recovery, Project management, Sustainable energy solutions for social development
  15. Solairedirect Technologies  
[www.solairedirect.co.za](http://www.solairedirect.co.za)  
 Solar power - photo voltaic cell panels production
  16. Selectra CC [www.selectrafarmtech.com](http://www.selectrafarmtech.com) Biogas,
  17. Zepto SA  
[www.zepto.co.za](http://www.zepto.co.za)  
 Energy efficiency ICT datacenter solutions – low cost managed Window 7 experience-managed and properly licensed Windows 7 experience
  18. EEU Diverse Business consult [www.eeuconsult.co.za](http://www.eeuconsult.co.za) Solar panels - Guaranteed self-charging device safely at 12 V DC with storage – no danger of electrocution.
  19. Emperors marketing [www.emperorsmarketing.co.za](http://www.emperorsmarketing.co.za) Solar Buddy
  20. InEnergy GmbH [www.inenergy.com/](http://www.inenergy.com/) Solar PV, Green energy and thermal power
  21. Pax SA  
[www.paxsa.co.za](http://www.paxsa.co.za)  
 Energy, mining, health and Safety, ICT  
 Innovative services, Export market development, media and sustainable investment in power and energy growth advocacy
  22. Green Age Africa

www.greenageafrica.com

23. Ogun State Government      [www.ogunstate.gov.ng/](http://www.ogunstate.gov.ng/)      State Government
24. Lagos State Government      [www.lagosstate.gov.ng](http://www.lagosstate.gov.ng)      State Government
25. Kaduna State Government [www.kadunastate.gov.ng](http://www.kadunastate.gov.ng)      State Government
26. Ministry of trade & investment [www.fmti.gov.ng](http://www.fmti.gov.ng) Federal Government Min.
27. Bank of Industry      [www.boinigeria.com](http://www.boinigeria.com) Bank Of Industry

### **Sponsors**

NNPC, Bank Of Industry, Greenage Africa, Anbez Solar, NNPC, MAG Switzerland AG, Dasol, African Decisions, African Energy Journal, Alternative Energy Business, Africa Monitor, Frost & Sullivan, Green Tech focus, IMIESA, Retail & Leisure, Mining Mirror, Petroleum Africa , ,The Green Times, Trade Invest, SA/Trade, Invest Africa/Urban Green, Diamond Bank plc

### **Knowledge partners**

African Recycling & Environmental Preservation, Schneider Electric, World Bank, Centre for Export Development, SAAEA, AFSEA, Ministry of Environment



*South African Delegates at Working Sessions*



## **Endorsers**

Energy Commission of Nigeria, Ministry of Environment, the Nigeria Renewable Energy Programme, AFSEA/SAAEA, REEEP, ESNA, Council for Renewable Energy in Nigeria/ Nigeria Electricity Regulatory Commission, PPPRA, and Import and Export Bank, AEPB Spanish Embassy and NIMET

## **Statistics**

There were more than exhibitors (25) in 2012 and more participants than 2011. There were more than 3500 attendees including students from the Universities of Technology.

25+ sponsors & exhibitors

20+ speakers

Seven themes

The objectives of the Nigeria Alternative Energy Expo were initially limited thus to:

- Create a platform for all stakeholders to network and transfer knowledge.
- Promote and educate the public about other forms of Alternative Energy.
- Showcase both local and international renewable energy initiatives and technologies.
- Mobilize and sensitise Nigerians across all sectors to act on climate change.
- Create a platform for Business, Government and NGO's to showcase solutions.

Mathesis Consulting UK, the organizers of the event are committed to using NAEE 2012 to create a platform to showcase the Nigerian energy opportunities, the demand as well as what the government is doing on the policies, pricing and regulation. Energy awards and Eco-leaders programme for municipal officials were launched during the NAEE 2012.





A Cross Section of the Executive Governor Amosun with Organizers and Exhibitors