

The future of energy in South Africa

RENEWABLE ENERGY CONFERENCE 2020

7 August 2020

LIVE WEBINAR



Objectives of the conference

- To explore the current state of the renewable energy industry in South Africa.
- To examine the possibility of having a 100% renewables-driven electricity generation scenario in South Africa.
- To explore the various renewable energy technologies that can be utilised in South Africa to deal with Eskom's problem and to save costs for consumers.
- To examine the current renewable energy policy and regulatory framework in South Africa and how it can be improved to enhance renewable energy utilization in the country.
- To examine the strategic issues in renewable energy development.
- To establish how to successfully finance renewable energy projects so as to enhance the use of renewable energy technologies in South Africa.
- To explore the growth and challenges of renewable energy utilization in South Africa.

Speakers Include

Stefano Marani
Chief Executive Officer
RENERGEN

DeVilliers Botha
Chief Operating Officer
Solareff

Pavel Parks
Founder and CEO
Africa Green Energy Technologies

Paul Vermeulen
Executive Committee: **SAESA**
Manager : **SCADA and Load Management**
City Power Johannesburg

Deepak John
Director
New South Energy

Nelisiwe Magubane
Chairperson
Matleng Energy Solutions

Ntombifuthi Ntuli
Chief Executive Officer
South African Wind Energy Association

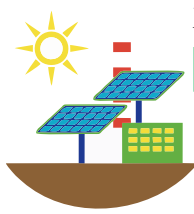


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Conference Background

South Africa's state electricity utility Eskom is in dire financial straits and is struggling to meet demand, which has led the government to woo independent renewable energy producers to help power the country (BusinessTech). Renewable Energy is a clean energy source which can be regenerated for an indefinite period of time. Unlike energy sources which are generated through fossil fuels like coal, oil and gas (they contribute to global warming, threaten water supplies, pollute the environment and have many health risks), most renewable energy sources are clean sources of energy, e.g. they don't emit any greenhouse gasses and with constantly improved technology are becoming more mainstream. Fossil fuels generate greenhouse gasses which can be blamed for rising temperatures and climate changes. Renewable energy is the future and investments in this technology will not only benefit our generation, but many generations to come. Renewable energy is just more sustainable over the long term. Some known renewable energy sources are: Solar Energy (Both heating and electricity generating), Wind Energy, Geothermal Energy Sources, Hydro Power, Biogas or Biofuel.

With the ever-rising cost of traditional fossil fuels-based energy, renewable energy is becoming a viable option. Renewable energy can be produced on a large macro scale to a small micro environment like solar heating at home. South Africa still has an abundance of fossil fuels in the form of coal, hence the many existing and newly developed coal powered power stations. At the same time South Africa has an abundance of sunshine which lends itself very well for solar water heating and electricity generation. With increasing prices of coal powered electricity, solar powered heating and electricity is becoming more attractive. Some of the advantages of renewable energy are: potentially unlimited supplies, clean energy without production of greenhouse gasses, cost of creating energy besides of initial investment is low, renewable energy projects can also bring economic benefits to many regional areas, renewable energy can bring power to remote areas due to smaller scale of operations. While renewable energy has many advantages, it has some disadvantages as well. The main disadvantage is intermittent supply. For example, solar power only works during the day, you need an effective way to store the energy for later use. Storage cost for renewable energy can be costly and are not always environmentally friendly.

Renewable Energy will become an economic driver and generator of employment for future generations as well. Brenda Martin, chief executive officer of the South African Wind Energy Association, says the renewable power program has already created about 36,500 jobs and has the potential to create many more (Engineering News). Currently demand is still low due to cost factors, but rising energy cost, improved technology and lower cost will see demand for renewable energy improving. Countries and organizations investing in renewable energy research and production are investing for the future and will see great benefits in the future. Economic advantages from Renewable Energy will benefit local communities as well, due to the fact that renewable energy can be implemented closer to communities where there is demand for energy. With the recent severe load-shedding occurring in South Africa, the demand for renewable energy is likely to increase. South Africa's draft energy plan through 2030 sees 24,370 megawatts of generating capacity coming from wind, natural gas, solar and hydropower plants, which equates to about half of Eskom's current installed capacity (BusinessTech). This conference brings together experts, specialists and private sector players to discuss and exchange their vision, experiences and solutions to hasten the scale-up of renewable energy in South Africa

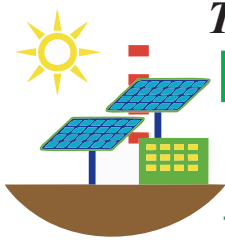
Target Sectors/ Audiences (But not limited to)

- Engineers
- Renewable energy organizations
- Academics/ Researchers
- Manufacturers of energy efficient equipment for power generation
- Manufacturers of geothermal heat and ring compressors pumps
- Manufacturers of LED and charge controllers
- Manufacturers and suppliers of generators
- Media
- Municipalities
- Non-profit Organizations
- Non-Governmental Organizations
- Solar cells manufacturers
- Technology developers
- Trade associations
- Wind electric generator (WEG) manufacturers
- Wind farm owners
- Venture Capitalists, financial institutions etc.
- Environmental Groups
- Entrepreneurs
- Equipment Manufacturers
- Governments and High level decision makers
- Green Power Providers
- Hydro turbine manufacturers
- Insurance companies, surveyors, operations and maintenance providers
- International organizations
- Law Firms
- plant managers
- plant operators of biogas and wastewater treatment works



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Banking Details

Vukani Communication Consultancy (PTY)
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Account No. 62584405867, Account Type : Cheque
Branch Name : Randburg Square
Branch Code: 261750

CONFERENCE FEE

R1,997 Per Delegate Excl. VAT

Conference fee above INCLUDES the following entitlements: Entrance to session.

REGISTER NOW

Terms and Conditions

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- No seats will be reserved unless Vukani Communications receives a signed registration form.

SUBSTITUTIONS:

- Delegate Substitution. Substitution is welcome at any time and do not incur any additional charges. Please notify Vukani Communication in writing of any such changes at least 3 days before the date of the event.
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CANCELLATION:

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Charge of 50% of the Registration Fees, plus R700 (+VAT) Administrative charge will be made for cancellations received in writing at least 14 working days prior to the event.

For any cancellations received in less than 7 working days before the date of the event, the full fee will be payable and no refunds or credit notes will be given.

If registered delegate does not cancel and fails to attend the summit, this will be treated as cancellation and no refund or credit will be issued

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