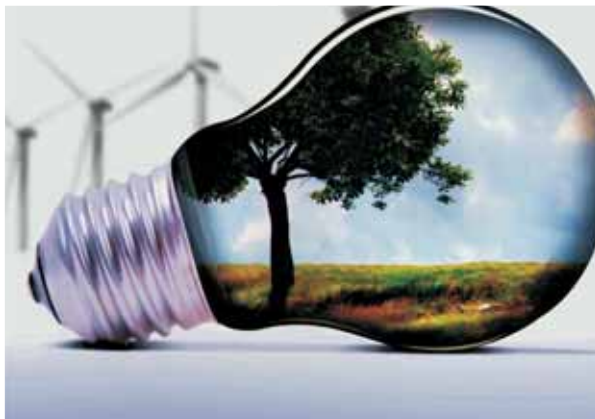


# ENERGY 2010

solutions for africa  
CONFERENCE & EXHIBITION

24 - 26 February 2010  
Sandton Convention Centre, South Africa



# Energy Indaba 2010

Solutions for a new energy future in Africa



<b>23 February 2010</b>	World Energy Council Africa Meeting – The Michelangelo Hotel	
<b>24 February 2010</b>	ENERGY INDABA Conference	08h30 – 17h15
	ENERGY INDABA Exhibition	10h00 – 17h30
	ENERGY INDABA Business Matchmaking	10h00 – 17h30
	ENERGY INDABA	17h30 – 19h30
	Networking Reception sponsored by Dewey & LeBoeuf	
<b>25 February 2010</b>	ENERGY INDABA Conference	08h30 – 16h30
	ENERGY INDABA Exhibition	10h00 – 17h30
	ENERGY INDABA Business Matchmaking	10h00 – 17h30
<b>26 February 2010</b>	ENERGY INDABA Exhibition	10h00 – 17h00
	ENERGY INDABA Business Matchmaking	10h00 – 17h00

# Welcome to Energy 2010: Solutions for Africa

We are delighted to welcome you to the second annual Energy Indaba and the forum for Africa's energy solutions.

Our two day conference programme is filled with topical presentations that will add to the dialogue on issues facing Africa's energy requirements and to the development of a responsible energy supply. We have invited leading industry personalities, who understand the challenges facing the African and global energy industries, to lead and stimulate our discussions for a sustainable energy future.

The exhibition has grown in size, within a year, to meet the demand from domestic and international companies wanting to promote their products and services, to the decision-makers in Africa's energy community.

We wish to thank the members of our conference programme steering committee, for their contribution in compiling a programme, which has brought together a large delegation of international speakers, as well as specialists with a pan-African perspective on energy. We are also grateful to our eminent group of facilitators, whose knowledge of the energy industry will stimulate our debates.

The success of our second Energy Indaba is made possible by the continued support of our sponsors and endorsing partners. Our media partners continue to help us to promote the conference and exhibition. We thank all of our sponsors, supporters and partners for their generosity.

We are delighted that the World Energy Council will be hosting their Africa Regional Meeting alongside Energy 2010, which makes the Energy Indaba the true forum for energy in Africa. A highlight at this year's event is the introduction of the Energy Indaba Business Matchmaking Programme and the Engineering News and Engineering News Online Matchmaking Lounge. This initiative will ensure that the delegates and exhibitors will have targeted and focused business-to-business meetings.

We thank you for attending Energy 2010 and we are truly proud of the increased attendance by delegates from all of Africa.

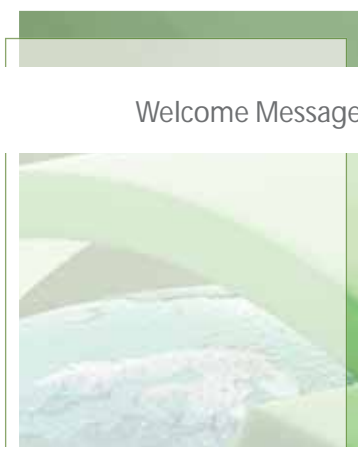
Enjoy your visit to Johannesburg and to the 2010 edition of the Energy Indaba.

*The Siyenza Management Team*

**Siyenza Management (Pty) Ltd**

Tel: +27 11 463-9184  
 Fax: +27 11 463 8432  
 Email: info@siyenza.za.com

Physical Address: 285a Bryanston Drive, Bryanston, 2194  
 Postal address: P.O. Box 3738, Cramerview, 2060, South Africa



Content

Siyenza Welcome Message	3
Sponsors	4
Steering Committee	6
Conference Programme	8
Speakers	12
Facilitators	19
Endorsing Partners	21
Matchmaking Lounge	22
Exhibition Floorplan	23
Exhibitors	25
Media Partners	35



## Sponsors

### GOLD SPONSOR: Dewey & LeBoeuf

DEWEY & LEBOEUF

Dewey & LeBoeuf is a full-service law firm providing counsel throughout the United States, Europe, Russia/CIS, the Middle East, Asia and Africa. With more than 1,200 lawyers in major financial and commercial centers, the firm represents national and global corporations, financial institutions and government agencies in their most complex legal matters.

#### Industry Sectors

Dewey & LeBoeuf's lawyers represent large, multinational clients in industries ranging from banking and finance to renewable energy. In particular, we pride ourselves on our ability to provide comprehensive advice through our detailed knowledge of the following industry sectors:

- Insurance
- Life Sciences and Healthcare
- Media and Entertainment
- Oil and Gas
- Telecommunications
- Utilities, Power and Pipelines

Our strength in these sectors is derived from the breadth and depth of our lawyers' knowledge of each industry. Our clients are assured that our lawyers are up-to-date on breaking news, recent trends and current issues in each specific sector. Our knowledge, skills and experience give us a distinct advantage over our competitors.

For additional information, please visit [www.dl.com](http://www.dl.com)

### SESSION SPONSOR: AREVA



All over the world, AREVA provides its customers with solutions for carbon-free power generation and electricity transmission. With its knowledge and expertise in these fields, the group has a leading role to play in meeting the world's energy needs.

Ranked first in the global nuclear power industry, AREVA's unique integrated offering covers every stage of the fuel cycle, reactor design and construction, and related services. In addition, the group is developing a portfolio of operations in renewable energies. AREVA is also a world leader in electricity transmission and distribution and offers its customers a complete range of solutions for greater grid stability and energy efficiency.

Sustainable development is a core component of the group's industrial strategy. Its 75,000 employees work every day to make AREVA a responsible industrial player that is helping to supply ever cleaner, safer and more economical energy to the greatest number of people.

With 40 years of experience in the nuclear sector, AREVA presents the market with a unique



offer: to enable competitive and safe electricity production with controlled costs.

AREVA's nuclear energy offer encompasses the design and construction of nuclear plants, the associated services and all stages in the fuel cycle. It meets the needs of electricity utility providers to streamline and control their overhead costs, and enables them to achieve their objectives for competitiveness, performance and safety.

For more than half a century, AREVA has been operating uranium mines across the world. With operations in Africa for over 50 years, AREVA has recently invested in key projects in Niger, Namibia, Central African Republic and South Africa, thus reinforcing its commitment to remain in Africa for the long term.

By diversifying its resources, the group provides its customers with the security of supply they expect from a leading energy player.

**LUNCH SPONSOR:**  
**RSV ENCO Consulting (Pty) Ltd**



RSV ENCO Consulting (Pty) Ltd (ENCO) is a world-class programme and project management consultancy company focusing on the energy - in particular coal and uranium mine development - and infrastructure sector. Through parent company Read, Swatman & Voigt (Pty) Ltd, ENCO has a pool of multidisciplinary skills and expertise nurtured by a long and successful association with mining and industrial projects across three continents.

ENCO services both the junior and major end of the resources market, adapting service provision appropriately to size, stage of project and client driven objectives. Visit [www.rsveno.com](http://www.rsveno.com) for more information.

**NAME BADGE SPONSOR:**  
**AURECON**



Aurecon is a global group with a staff complement of more than 6 000 engineering and other professionals and a network of 85 offices spanning 28 countries worldwide. Within the energy sector, Aurecon provides clients with expertise in the areas of power system engineering; power generation; renewable energy; industrial and process engineering; and energy advisory consulting services. Our integrated solutions range from conceptual design, feasibility studies and detailed engineering designs to project and construction management, revenue, maintenance and asset management.



## Steering Committee

ENERGY 2010 is privileged to have engaged the expertise of the following energy industry professionals to support and provide direction for the ENERGY 2010 programme and key focus areas:



**JAMES ARNOTT**

**Senior Executive, Resource Operating Group Unit, Accenture**

James is a Senior Executive at Accenture in Accenture's Resource Operating Group Unit and aligned to the Talent and Organisational Performance Service Line. He leads the South Africa Energy Practice as well as having responsibility for the Energy practices across SPAI (Spain, Portugal, Africa and Israel). He leads the Resources Talent and Organisational (T&OP) Performance Practice globally.

James has extensive experience in the South African electricity, chemicals and energy industry and has a good understanding of the strategic issues pertaining to transformation and restructuring of the Electricity Supply Industry and the role of energy in the South African and global economy. James holds a B.Econ. from Rhodes University and joined Accenture in 1994.



**BARRY BREDEKAMP**

**Operations Manager, National Energy Efficiency Agency**

Barry Bredenkamp, is currently the General Operations Manager at the National Energy Efficiency Agency, South Africa. Mr. Bredenkamp has worked in the distribution, customer service, marketing and Demand Side Management (DSM) areas of the national electricity utility in South Africa (Eskom), for 25 years and has been seconded from the utility, to establish and head-up the new National Energy Efficiency Agency in South Africa.

Barry has experience in energy efficiency and renewable energy in a developing country context, and was instrumental in implementing the highly successful GEF/ ELI program in South Africa. His past and current tasks include DSM program design and implementation, energy efficiency programs in both the private and public sector and assisting in developing energy policy in the fields of efficient lighting and appliance labeling. He is the past President of the South African Sustainable Energy Society of Southern Africa (SESSA), Chairman of the Public Relations Committee of the Illumination Engineering Society of South Africa, (IESSA).



**SCOTT BRODSKY**

**Energy & Project Finance Partner, Dewey & LeBoeuf Johannesburg**

Scott has advised on a broad range of projects in the power, renewables, oil and gas, transport and other infrastructure sectors. He is a partner in the global law firm that has experience in sponsors, project companies, financiers, governments, and financial advisors on projects across the world.



**TONY GOLDING**

**Deputy Director of Energy Efficiency: Department of Minerals and Energy**

Tony Golding is currently Deputy Director of Energy Efficiency at the Department of Minerals and Energy. He has worked in the department since 1993, where he was originally addressing the energy use needs for low income communities and later Renewable Energy.





**BRIAN STATHAM**

**Chairman, South African National Energy Association (SANEA)**

Brian Statham has ten years of experience as the executive leader of the South African National Energy Association (SANEA), an independent Registered Company and Non-Profit Organisation, representing corporate and individual members from the diverse energy sectors of South Africa. Brian was first elected Secretary-General of SANEA in 1999 and was elected to the office of Executive Chairman in March 2007.

In addition to his role in SANEA, Brian has been active in World Energy Council initiatives. From 2002 to 2004 he was the Convenor of the "Member Secretaries Advisory Group" and from 2004 to 2007 he chaired the WEC Study on "Energy Policy Scenarios to 2050. Brian is appointed to the WEC Studies Committee for the 2008 – 2010 workcycle. In September 2009 Brian was appointed Chair-elect of the Studies Committee and will take office in Sept 2010. Brian will then also be an Officer [Director] of the World Energy Council.



**STEPHEN RAMOTSEI**

**Business Development Manager, Mineral and Energy Education and Training Institute (MEETI)**

Stephen Ramotsei is business development manager at the Minerals and Energy Education and Training Institute (MEETI). Before his position Stephen was marketing insights manager at Nedcor Bank Ltd. His work experience is mainly in research & services marketing. Other businesses Stephen has worked for include Absolute CRD, ACNielsen, Plus 94 Research, and his research consulting business, SLR Consulting.

Academic qualifications include a Bachelor of Arts degree in Psychology, a Post Graduate Diploma in Management and a Certificate in Project Management. Stephen has also completed several MEETI courses including the Certificate of competence in Petroleum Industry.



**DR. MOHAMED ABDEL-RAHMAN**

**NEPAD Secretariat**

Dr. Mohamed Abdel-Rahman is an energy expert with experience drawn from Canada, Egypt and the Gulf region. Dr. Abdel-Rahman has been an advisor to the Egyptian Electricity Regulatory Agency nearly since its inception in 2001, where he was heavily involved in the Agency activities. Furthermore, he has always been an active staff member in the Electrical Power and Machines Department, Faculty of Engineering, Ain Shams University, Cairo, Egypt, with numerous students and publications.

His educational background does not stop at engineering but it extends to business administration and financial studies.



**PROF. M.M. ELMISSIRY**

**Energy Expert, NEPAD Secretariat**

Currently holds the position of Energy Expert, NEPAD Secretariat, Midrand, SA since June this year. He held many senior positions in the past; among it the positions of director of the energy technology institute, industrial research and development centre in Zimbabwe for seven years.

He has been heavily involved in electrical engineering higher education across the African continent for over thirty years. He has been consulting to many international organizations and regional energy industries. His current position requires him to play a leading role in regional energy projects identification and to facilitate its implementation using NEPAD machineries.





# Conference Programme

THEME: ENERGISING AFRICA

WEDNESDAY, FEBRUARY 24, 2010

7:30 am – 4:00 pm	Registration
8:30 am – 8:45 am	Welcome   Session Chairman Brian Statham, SANEA
8:45 am – 9:30 am	Opening Plenary Session Keynote Address: Minister Elizabeth Dipuo Peters, South African Ministry of Energy <b>African Energy Outlook 2010</b>
9:30 am - 10:00 am	Main Plenary 1: <b>Doing Business for Ourselves</b> - <b>Making African an accessible investment destination</b> - <b>Africans powering Africa</b> Jerry Vilakazi, CEO, Business Unity of South Africa (BUSA)
10:00 am	Exhibition Opens
10:00 am - 10:30am	Main Plenary 2: <b>Overview of the African Energy Sector</b> Prof Abubakar Sambo, Vice-President for Africa, World Energy Council
10:30 am – 11:00 am	Refreshment Break   Exhibition Visit
11:00 am – 11:30 am	Session 1: <b>The Power of Green Energy - South Africa's nascent renewables programme and its potential for the economy</b> Scott Brodsky, Energy & Project Finance Partner, Dewey & LeBoeuf Johannesburg
11:30 am - 12:00 pm	Session 1a: <b>Global Energy trends and the impact on Africa</b> Arthur Hanna, Accenture, Overseas Accenture's Global Energy Board in London; Industry Managing Director of Accenture's Energy Practice
12:00 pm - 12:30 pm	Session 1b: <b>Access to Energy: Empowering Africa's Development</b> Dr Latsoucabé Fall, Regional Manager - Africa, World Energy Council
12:30 pm – 1:30 pm	Lunch   Exhibition Visit
1:30 pm – 4:30 pm	Afternoon Breakaway Sessions



1:40 pm – 2:50 pm	<p><b>TRACK 1: INFRASTRUCTURE DEVELOPMENT</b></p> <p>Session 2: The highs and lows of Africa's energy projects                  Facilitator: Paul Runge, Africa Project Access</p> <p>A discussion around ENERGY infrastructure development projects that are happening or are planned in Africa. What are the key factors of their success? What obstacles were overcome and how?</p> <p>Panel:  <b>Dr Mohamed Abdel-Rahman, NEPAD Secretariat:</b> Energy infrastructure development in Africa today with respect to Renewables, with a case study of the El-Zafarana wind-farm  <b>Philip Morkel, Hydragas Energy Ltd:</b> Developing Lake Kivu Gas-to-power to Anchor the Great Lakes Power Grid  <b>Sifiso Shongwe, Ernst &amp; Young:</b> Project Guarantees and Alternatives for power projects  <b>Adam Simcock, CarbonCheck:</b> Upcoming energy-related project on our continent</p>
	<p><b>TRACK 2: HUMAN CAPITAL DEVELOPMENT</b></p> <p>Session 3: Energy skills evolution for Africa                  Facilitator: Dr Zoe Lees, KPMG</p> <p>A discussion around how to ensure there are sufficient skills for the African energy sector including formal education, including secondary &amp; tertiary education. Aspects under discussion include professional self development &amp; how to stay involved with the energy profession, technology transfer &amp; skills migration, as well as practical skills training and know how.</p> <p>Panel:  <b>James Arnott, Accenture &amp; SANEA Director:</b> I am an African - Energy Talent Strategies for the Future  <b>Stephen Ramotsei, MEET:</b> Salvaging energy education opportunities in the era of global warming  <b>Prof Abubakar Sambo, WEC Africa:</b> The Human Resource Challenge to Sustainable Energy Supply in Africa</p>
2:50 pm – 3:10 pm	<p>Refreshment Break   Exhibition Visit</p>
3:10 pm – 4:10 pm	<p><b>TRACK 1: NUCLEAR - THE WAY FORWARD</b></p> <p>A discussion around the use and implementation of nuclear as a source of power in developing economies.</p> <p>Panel:  <b>Mohamed Madhi, AREVA:</b> The role of Nuclear in South Africa's Energy Mix  <b>Dr Kelvin Kemm, Stratek Business Strategy Consultants:</b> Nuclear Power – The Future is Now  <b>Ms Ditebogo Kgomo, Head Nuclear SA Department of Energy:</b> The nuclear perspective  <b>Dr Van Zyl de Villiers, NECSA:</b> South Africa's Nuclear Readiness</p>
	<p><b>TRACK 2: TOO MANY DEGREES: HUMAN SECURITY AND CLIMATE CHANGE</b></p> <p>Human security is defined as freedom from want, freedom from fear and freedom from hazard impact. Too Many Degrees tackles this issue and examines how climate can turn into an adversary, threatening people and their livelihoods. Few regions exist where this is more evident than Southern Africa.</p> <p>Speaker:  <b>Belynda Petrie, OneWorld Sustainable Investments:</b> Too Many Degrees: Human Security and Climate Change</p>
4:10 pm - 4:45 pm	<p><b>Main Plenary 3: Eskom's projections for electricity supply and demand</b>                  Kannan Lakmeharan, Managing Director, Systems Operations and Planning Division, Eskom</p>
4:45 pm - 5:15 pm	<p><b>Chairman Closing Remarks</b></p>





**THURSDAY, FEBRUARY 25, 2010**

8:00 am – 8:30 am	Registration
8:00 am – 9:00 am	Juice   Tea   Coffee
8:30 am – 8:35 am	Chairman Welcome

**8:35 am - 10:00 am**

**TRACK 3: ENERGY USE AND CARBON EFFICIENCY**  
 Session 4: Energy Efficiency  
 Facilitator: Barry Bredenkamp, National Energy Efficiency Association  
 The best value out for the least energy input. A session in which the various aspects of energy efficiency are discussed including efficient technologies, pricing signals, consumer education & behaviour and energy management.

Panel:  
**Peter Mills, VESTAS, Australian Wind Technology:** Blowing in the wind turbine supply and service contracts  
**Dr Hans Piechura, Austrian Energy & Environment:** Circulating Fluidized Bed Technology for discard Coal and multiple fuels (pure or fuel mix with biomass)  
**Valerie Geen, National Business Initiative:** A South African perspective on Energy efficiency in a Carbon Constrained World

**TRACK 4: FINANCE, LEGAL & RISK**  
 Session 5: Funding  
 Facilitator: Michael Cupit, Ernst & Young  
 A session in which the various aspects of funding are discussed including sources of funds, what makes a project bankable, the different types of funding available, the pros & cons of the different types of funding and renewable energy finance and how to access the finance.

Panel:  
**Scott Brodsky, Dewey & LeBoeuf:** REFIT Key Requirements for Bankability  
**Sebastian Von Wolff, Orbea South Africa:** Carbon Finance - an additional advantage  
**Paul Eardley-Taylor, Standard Bank:** REFIT: Will renewables succeed in SA?  
**Sipha Ndawonde, Frost & Sullivan:** An overview of the renewable energy financing options in Sub-Saharan Africa

**TRACK 5: TECHNOLOGIES**  
 Session 6: Doing the best with what we have  
 Facilitator: Peter Sullivan, Former Group Editor-in-Chief, Independent Newspapers SA  
 Exploiting and enhancing existing infrastructure & technologies. A session on how to make the best use of the energy systems already in place and how to enhance their performance. Smart Grids.

Panel:  
**Davin Chown, Genesis Eco-Energy:** Value of Wind - De-Risking African Economies  
**Siegfried Brits, impactChoice:** A dynamic approach to energy efficiency  
**Dr Franz Hafner, Austrian Energy & Environment:** Flue Gas Desulphurization: Development and limits for limestone scrubbers  
**Dr. Ian Humphery-Smith, AREL:** Solar Irradiation and Urban Refuse transformed  
**Evan Dent, Endress+Hauser (South Africa):** Energy Monitoring and Targeting in utilities - a savings strategy

10:00 am – 10:30 am	Breakfast   Networking   Exhibition Visit
---------------------	---

**10:30 am – 12:30 pm**

**Session 7: Climate Change & Sustainable Development**  
 Facilitator: Dr Lorraine Lotter, CAIA  
 A session in which the various aspects of climate change and

sustainable development are discussed for the regulatory framework for a low carbon energy future. The success of CDM The Clean Development Mechanism of the Kyoto Protocol / Copenhagen and the role of carbon credits in Africa will be reviewed in this session.

Panel:

**Fenella Aouane, Standard Bank Plc: Carbon Finance:** Benefits for the African Market  
 Mark Heaton, Envirotrade: Carbon Markets can foster Sustainable Development and Poverty Alleviation in Africa

**Richard Worthington, WWF:** Sharing a Global Carbon Budget

**Dr Rob Adam, NECSA:** Contribution of nuclear energy to climate change mitigation

**Dr John Purchase, Agricultural Business Chamber:** Agriculture, Agribusiness and Climate Change: Issues for consideration

### Session 8: Legal & Risk Management

Facilitator: Greg Nott, Dewey & LeBoeuf

A session in which the various legal aspects of projects are discussed including permits, EPC contracts, PPA Contracts and O&M Contracts. The session will also discuss and uncover the various areas of risk to consider when reviewing an energy project are discussed.

Panel:

**Scott Brodsky, Dewey & LeBoeuf:** The REFIT PPA - Achieving a Balanced and Bankable Risk Allocation

**Brigitte Baillie, Webber Wentzel:** IPPs, ERA, the ERA Regulations and the IRP

**Andrew Gilder, IMBEWU:** The environmental commodities associated with energy projects: Considerations for contracting

**William Cass, FirstRand:** Energy Management in FirstRand

### Session 9: Technologies

Facilitator: Dr Robert Schock, Director Studies, World Energy Council

Towards a lower carbon future. A session on global & innovative technology trends that could be implemented in Africa to reduce the carbon footprint, reviewing nuclear, wind, solar, biofuels, hydrogen, gas, ocean (Wave) energy and Carbon Capture.

Panel:

**Dr Yves Guenon, AREVA:** Why the industry need a Governmental decision now for nuclear Fleet programme in South Africa

**Max T Edkins, University of Cape Town:** The large-scale rollout of CSP in South Africa: driving the transition to a clean electricity supply

**Jayne Grobbelaar, Nokia Siemens Networks, NSN Go-Green**

**Prof Ing. Andrea Vacca, EURO ESCO S.r.l.:** Energy efficiency and renewables African countries as new developing markets for ESCOs

12:30 pm – 1:30 pm

Lunch | Exhibition Visit

1:30 pm – 3:00 pm

### SESSION 10 - CHINA CASE STUDIES

- What is China doing to manage its power requirements
- China in Africa - Opportunities and Challenges - both the domestic and international policies of China represent opportunities for investment in Africa, but there are challenges as well.
- The road ahead
- China: Africa's Infrastructure solution? - Paul Eardley-Taylor, Standard Bank

3:00 pm – 3:45 pm

Main Plenary 4: Energising Africa – The road ahead to achieve sustainable energy systems in Africa!

Thulani Gcabashe, Built Africa

3:45 pm

Chairman closes conference

3:45 pm – 4:30 pm

Tea | Coffee | Refreshment break | Exhibition visit



## SPEAKERS

### INTERNATIONAL SPEAKERS



**Fenella Aouane**

**Carbon Trading, Standard Bank**

Fenella is responsible for all marketing and distribution of carbon products as well as business development for carbon in Eastern and Southern Africa. She has over 12 years experience in energy, running energy sales and trading desks for companies such as Cargill, Mees Pierson Bank and Refco.



**Arthur Hanna**

**Overseas Accenture's Global Energy Board in London; Industry Managing Director of Accenture's Energy Practice**

Prior to taking on this position, Arthur headed up the Energy Downstream Business and led a wide portfolio of work for a variety of super major and NOC clients. He has a broad international experience having led engagements in Argentina, Australia, China, amongst others.



**Dr Ian Humphery-Smith**

**Founder, African Renewable Energies Limited and Consultant at Deomed Limited**

As a pioneer in proteomics, Dr Humphrey-Smith has broadened his expertise into the provision of reliable and renewable energy in Africa. He aims to utilise this focus to help improve lives on the African continent by making energy more accessible.



**Dr Franz Hafner**

**Director Product Sales, Austrian Energy and Environment - Air Pollution Control**

A graduate of mechanical engineering from HTBLVA (BULME) Graz has worked for Andritz AG, Graz; the Austrian Energy and Environment, Graz. In 2002 he began his career at AE&E Graz as the head of proposal and sales in the Business Unit Environment. Franz currently leads the Air Pollution Control sales division at the company



**Peter Mills**

**Senior Legal Counsel, Vestas Pacific**

Peter has a broad range of experience as a construction and projects lawyer, advising on a variety of international construction and energy projects, in relation to procurement strategy, project documentation and disputes. He provides legal expertise at his present role at Vestas Pacific, a leading wind turbine producer.



**Prof. Ing. Andrea Vacca**

**Chartered Engineer, EURO ESCO S.r.l.**

Prof Vacca's worked as a Chartered Engineer in the field of electrical, thermal and hydraulic plants, renewable energies and energy saving, both for residential as well for commercial and industrial buildings. In 1992 he won the State Contest for professorship in 'Electrical Plants and Applications'.





**Dr. Hans Piechura**

**Chemical Engineer, Austrian Energy & Environment**

Dr Piechura has extensive experience in the Power Plant Business with specific emphasis on CFB Technology. Since 1998, he was with AE&E Lentjes and predecessor companies involved with the marketing and execution of Energy from Waste Technologies as well as marketing and execution of CFB-Technology. Prior to this from 1990-1998, Dr Piechura was with MAN GHH, responsible for marketing and execution of hazardous waste incineration plants.

**AFRICAN SPEAKERS**



**Honourable Minister Elizabeth Dipuo Peters**

**South African Department of Energy**

After ending her tenure as the Premier of the Northern Cape in 2008, Minister Peters was appointed to lead the Ministry of Energy. She is a member of the African National Congress and the Women's League National Executive Committee.



**Dr. Mohamed Abdel-Rahman**

**Energy Advisor, NEPAD Secretariat**

Having worked on energy projects in North Africa, Mohamed is able provide a perspective on energy in this region. His experience is drawn from Canada, Egypt and the Gulf region. Mohamed's interests extend from energy in engineering to business administration and financial studies.



**Dr Rob Adam**

**Chief Executive Officer of the Nuclear Energy Corporation of South Africa**

Detained as political prisoner from 1981 to 1990 during Apartheid, Dr Adam continued his studies towards an interest in nuclear power during this period. He later became the Chief Director of Science and Technology for the SA Government, and later Director-General for Arts, Culture, Science and Technology.



**James Arnott**

**Senior Executive, Resource Operating Group Unit, Accenture and SANEA Director**

James has extensive experience in the South African electricity, chemicals and energy industry and a good understanding of the strategic issues pertaining to the role of energy in the South African and global economy. James holds a B.Econ from Rhodes University. He joined Accenture in 1994.



**Brigitte Baillie**

**Partner & Head: Project Development & Finance Practice Group at Weber Wentzel**

An expert in general and commercial law, Brigitte's experience extends to limited recourse finance, including energy, resources and infrastructure finance. She has been involved in is project financing of CIC's Mmamabula coalfield development and coal fired independent power plant project.



## Speakers



### Siegfried Brits

#### MD of impactChoice South Africa and impactChoice Energy

Siegfried's strong focus on environmental sustainability is streamlined into his company's interests that offers solutions on carbon footprint assessment, retrofit energy efficiency products and services, and carbon offset technology. impactChoice has already implemented its services at companies in the hospitality and IT sectors.



### Scott Brodsky

#### Energy & Project Finance Partner, Dewey & LeBoeuf Johannesburg

Scott has advised on a broad range of projects in the power, renewables, oil and gas, transport and other infrastructure sectors. He is a partner in the global law firm that has experience in sponsors, project companies, financiers, governments, and financial advisors on projects across the world



### Davin Chown

#### Operations Director, Genesis Eco-Energy and Development Director of Mainstream Renewable Power South Africa

Davin has advised and coached leadership teams through complex transformation and sustainable development strategy challenges. He has worked for The World Bank and African Bank Investments Limited.



### Dave Collins

#### Climate Change Response Strategy Consultant

With a master's degree in chemical engineering from Cambridge University, Dave now consults on climate change response strategies to many JSE Top 100 Companies and to the Southern African coal industry. He is currently involved in managing the effects of climate change on business.



### Evan Dent

#### Business Development Manager at Endress + Hauser South Africa

Evan is responsible for one of Endress + Hauser South Africa's key strategy for energy monitoring and targeting. In addition to being a member of the multinational company's global energy monitoring and targeting action team, he is also involved in customer education on energy saving strategies.



### Dr Van Zyl de Villiers

#### NECSA

#### General Manager, Necsa – Research and Development Division

During his research career Van Zyl was involved in work on various aspects of analytical chemistry, the development of radiopharmaceuticals, separations chemistry, and technology development for radioactive waste treatment. He is registered with the South African Council for Natural Scientific Professions and represents Necsa or South Africa in various international nuclear collaboration programmes.



### Paul Eardley-Taylor

#### Head of Energy, Utilities & Infrastructure Coverage, Standard Bank, SA & Africa

Paul has worked on a number of domestic infrastructure transactions. His previous experience includes acting as team leader for IPPs, WPPs, Greenfield and refinery developments at Eskom and Coega Oil Refinery. He has also been the financial advisor to PetroSA, AREVA and at a SADC Utility





### Max Edkins

#### Energy Research Centre, University of Cape Town

Max is researching the technical, industrial and infrastructure requirements for the large-scale rollout of Concentrating Solar Thermal Power generation in SA. He is also assessing the country's renewable energy policy instruments, and analysing energy-economic-environment interactions.



### Dr Latsoucabé Fall

#### Regional Manager, Africa, World Energy Council

With 30 years' of experience in the energy sector, Dr Fall has been the WEC Coordinator for Africa. He has served as the Chairman of the National High Level Task Force for reforms in the electricity sector in Senegal. Dr Fall has held management and technical positions within Senegal Electricity Utility.



### Thulani S. Gcabashe

#### Executive Chairman, BuiltAfrica Holdings

Thulani served on the Eskom Board as the Chief Executive. He then led the South Africa Power Project, an initiative sponsored by Eskom and the Government of South Africa aimed at developing a globally competitive power-manufacturing cluster. In 2008 he founded the BuiltAfrica Group.



### Valerie Geen

#### Director of the National Business Initiative's Climate and Energy Unit

Over the past three years Valerie has led the NBI's ground breaking initiatives such as the Voluntary Energy Efficiency Accord and the Carbon Disclosure Project. Through these initiatives she has mobilized leading South African companies to escalate action in addressing Climate Change and Energy Efficiency



### Andrew Gilder

#### Director, IMBEWU

Andrew drives IMBEWU's Climate Change and CDM Legal Specialist Consultancy Unit. He has drafted and co-drafted various academic papers, including the interaction of the international and South African climate change regimes which have been published both nationally and internationally. He is a regular speaker on a range of issues related to the climate change international regime.



### Jayme Grobbelaar

#### Energy Solutions Architect, Nokia Siemens Network

Jayme is part of the energy solution team established within the Nokia Siemens Networks to research, develop and implement renewable energy solutions. He started his professional career in telecommunications engineer at Siemens, whereby his involvement in infrastructure and power requirements increased to solution consulting on renewable energy.



### Dr Yves Guenon

#### Engineer and PhD in Physics Director of Business Development, AREVA

He has worked on a number of large-scale energy infrastructure development projects in Europe and Africa. In his current role, Dr. Yves Guenon is responsible for the development of energy projects in South Africa. Prior to this, Dr. Guenon was the Business Development Director and AREVA Vice President for Lithuania.



## Speakers



**Mark Heaton**

**Country Manager, Envirotrade Carbon Ltd in South Africa**

Envirotrade, founded in 2002, is a pioneer of developing carbon offset credits from community-based agroforestry and forest protection in Africa. Mark studied accounting and economics at the University of Cape Town, and holds an MBA from Bond University, Brisbane. He joined Envirotrade in 2008 following an 18-year career in marketing, after a decision to change career to a business aligned with his passion for the environment and an interest in the developing carbon industry.



**Dr Kelvin Kemm**

**CEO, Stratek**

He is involved in the management of technology and has participated in projects in many industrial sectors, giving him wide exposure to South Africa's technological and industrial base. Dr Kemm was the first person from Africa to be appointed to the European Science and Environment Forum (ESEF).



**Ms Ditebogo Kgomo:**

**Head Nuclear – SA Department of Energy**

Ms Ditebogo Kgomo is the Acting Chief Director: Nuclear Energy at the Department of Energy. In this role she is responsible for all nuclear energy matters i.e. nuclear safety, nuclear technology, nuclear non-proliferation and nuclear security.

Ms Kgomo is a Master of Science graduate of the University of the Witwatersrand. She has worked at the South African Nuclear Energy Corporation as a scientist in charge of the commissioning of the single crystal neutron diffractometer. In 2005 she joined the then Department of Minerals and Energy as a Deputy Director: Nuclear Liabilities Management looking at the decommissioning and decontamination of past strategic nuclear facilities and the management of radioactive waste disposal on a national basis.



**Kannan Lakmeharan**

**Managing Director, System Operations and Planning Division, Eskom**

Kannan Lakmeharan is currently the Managing Director of the System Operations and Planning Division of Eskom. The division is responsible for the real time security of the national power system and the long term electricity capacity and transmission grid planning for the country. Prior to this appointment he has been responsible for the System Operator and for the Electrical Engineering disciplines in Eskom Enterprises. He has also had experience in the mining industry with Gencor. He has a M.Eng in Electrical Engineering from the University of the Witwatersrand. He is a registered Professional Engineer.



**Mohamed Madhi**

**Chairman, AREVA South Africa**

Mohamed Madhi Holds a B.Sc. Eng degree in electrical and electronic engineering from UCT, an MBA degree from Newport University in the USA and an M.Sc. Eng degree from the University of Cape Town. He has worked in several industries including Energy, Mining, Telecoms, Government and Investment Finance. He has held several senior positions including :

- Capital Expansion Manager at Eskom responsible for Capital Projects in the Eastern and Western Cape Region



- Director at the CSIR, the largest research organization on the African Continent, heading up the flagship telecommunications division
- Head of the Presidential Task Team on Y2K
- Group Executive Head of Strategy at Harmony Gold
- Chief Executive of CKS Investments, a private equity technology and mining investment company.

He is currently the Chairman of French Headquartered Areva in Southern Africa, the largest Nuclear Energy and International Uranium Mining Company.



**Philip Morkel**  
**Managing Director, Hydragas Energy Ltd.**

He has spent the past twenty years in project management and project development, of oil refinery projects in South Africa, oil and gas work in several other African countries. In the last eight years, he has been involved in the development of the Lake Kivu gas project and the enabling technology, interspersed with periods on conventional and nuclear power projects in South Africa.



**Sipha Ndawonde**  
**Energy Analyst, Frost & Sullivan**

Sipha focuses on analysing emerging trends and technologies in the sub-Saharan African energy and power sector. His special area of focus is renewable energy and he has recently conducted analyses into the market for renewable energy technologies and equipment on the continent.



**Dr John Purchase**  
**CEO, Agricultural Business Chamber**

Dr Purchase looks after the interests of members on a national, continental and international level. Due to its nature, this often entails negotiations with government and international business people. He is able to discuss the impact of climate change on the agricultural sector in Africa.



**Stephen Ramotsei**  
**Business Development Manager, Mineral and Energy Education and Training Institute**

Developing skills to meet the demands of SA – and Africa’s energy sector is Stephen’s interest. He has completed several MEETI courses including a Certificate of Competence in the Petroleum Industry. He has also worked in research & services marketing at ACNielsen, Plus 94 Research and his business, SRC Consulting.



**Prof Abubakar Sambo**  
**Vice-Chair for Africa, World Energy Council**

Appointed as a Professor in Energy Studies at Bayero University in Kano, he then went on to become the Director General of Energy Commission in Nigeria. His work spans studies of development and deployment of biogas, solar and wind energy for electricity generation, water pumping and cooking stoves.



## Speakers



### Adam Simcock

#### CEO, Carbon Check (Pty) Ltd

Adam has extensive knowledge of the up and coming energy projects on African soil. He has worked for a number of high-profile companies such as D1 Oils where he implemented an offset credit programme with Rolls Royce. He played an important role in the development of a carbon credit programme at Ernst & Young.



### Sifiso Shongwe

#### Head M&A and Project Finance, Ernst & Young

Sifiso has extensive investment banking experience from the US, UK and South Africa. At his present position, his key areas of expertise include financial modelling, valuation analysis, deal structuring, deal negotiation and debt raising. Sifiso is currently advising on the Lurio Hydropower project in Mozambique and the Guinea Conakry Electricity Stabilisation Project for Eskom.



### Jerry Vilakazi

#### CEO, Business Unity South Africa(BUSA)

BUSA has the primary role to ensure that business plays a constructive role in the country's economic growth, development and transformation. Jerry has held various roles with government at the Department of Public Service and Administration, and as the Executive Director for Services at the SA Institute of Chartered Accountants.



### Sebastian von Wolff

#### Managing Director, Orbeo South Africa

Sebastian has a strong background in renewable energy and energy efficiency technology, German Ministry of Construction and consultant to various multinationals on their international energy and sustainability strategies.



### Richard Worthington

#### Manager, Climate Change Programme at WWF-SA

At the WWF-SA, Richard is responsible for developing SA's role in the 'New Global Deal' Network Initiative, a key focus under the reorganisation of the work of WWF internationally. Richard has worked as the Project Co-ordinator of the Sustainable Energy and Climate Change Project by Earthlife Africa Johannesburg.



## INTERNATIONAL FACILITATORS

**Brian Statham - Conference Chairman****Chairman, South African National Energy Association**

Brian's vast experience in the energy sector is reflected in his standing on various international bodies for energy. He was recently named Chair-Elect of the World Energy Council Studies Committee which he will assume in September 2010 and then become the Officer (Director).

**Dr Robert Schock****Director of Studies, World Energy Council, London**

Robert has had an active role in energy as the Coordinating Lead Author (Energy Sources) for the 2007 4th Assessment Report of the Intergovernmental Panel on Climate Change. He has also initiated and led programmes in energy R&D and high-level nuclear waste.

## AFRICAN FACILITATORS

**Barry Bredenkamp****Acting Operations Manager, National Energy Efficiency Agency**

Barry is one of the leading voices on energy efficiency and renewable energy in a developing country context. He has been involved in DSM program design and implementation, energy efficiency programs in the private and public sector. Barry has assisted in developing energy policy for efficient lighting and appliance labeling.

**Michael Cupit****Partner, Ernst & Young**

Michael has over 15 years' of experience, spanning the globe. He has worked for international donor organisations, governments, NGOs and the private sector, in the private equity, utilities and infrastructure sectors. He has been involved in infrastructure projects in the CIS, CEE and Africa and Private Oil and Gas/Utility companies.

**Dr Zoe Lees****Associate Director Sustainability Advisory Services, KPMG**

Zoë has a scientific background, with a PhD in the field of bioremediation. At her present position, she focuses on climate and energy, CSR and sustainability strategy work. Zoe is an Inaugural Fellow of the African Leadership Initiative (in conjunction with the Henry Crown Fellowship Programme of the Aspen Institute).

**Dr Lauraine Lotter****Executive Director, The Chemical and Allied Industries' Association**

Dr Lotter is a qualified biochemist and has worked on a number of research projects in the waste water field. She is also involved in various business activities on climate change. Dr Lotter represents Business Unity South Africa on matters relating to this.



## Facilitators



### Greg Nott

#### Managing Partner, Dewey & LeBoeuf Johannesburg

Greg is ranked in Chambers Global 2008, and has led and managed legal teams in legal matters. He has been an advisor to national and provincial SA administrations, including the Gauteng Tourism Agency, Northern Province government, and the national government Department of Agriculture and Environmental Affairs.



### Paul Runge

#### Managing Director, Africa Project Access

Paul leads numerous business group visits into Africa, and to Washington, Tunis / Abidjan and Brussels. He also hosts and facilitates business meetings for incoming delegations from the World Bank, African Development Bank, etc. He has frequent interaction with South African government and government-related organisations, notably the Department of Trade and Industry and Department of Foreign Affairs.



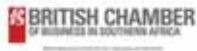
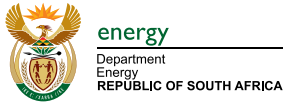
### Peter Sullivan

#### Group Editor-in-Chief, Independent Newspapers

Peter Sullivan edited The Star in the turbulent 1990s, was group editor-in-chief of Independent Newspapers in the past decade, and spends leisure time being chairman of BirdLife South Africa. Well connected in business, politics and philanthropy, he has moderated at Davos for a dozen years



# Endorsing partners





**ENERGY 2010**  
solutions for africa  
CONFERENCE & EXHIBITION  
24 - 26 February 2010  
Sandton Convention Centre South Africa



## Energy Indaba Business Matchmaking Programme

The Energy Indaba Business Matchmaking Programme gives you the opportunity to meet and engage with the important decision makers, including the international and African speakers, exhibitors, sponsors, media and delegates attending Energy 2010.

Using the most sophisticated technology in the industry, The Energy Indaba Business Matchmaking Programme promises an invaluable return on your investment to participate in the conference and the exhibition.

Individual Profiling  
Intelligent Matchmaking



## Engineering News Business Matchmaking Lounge

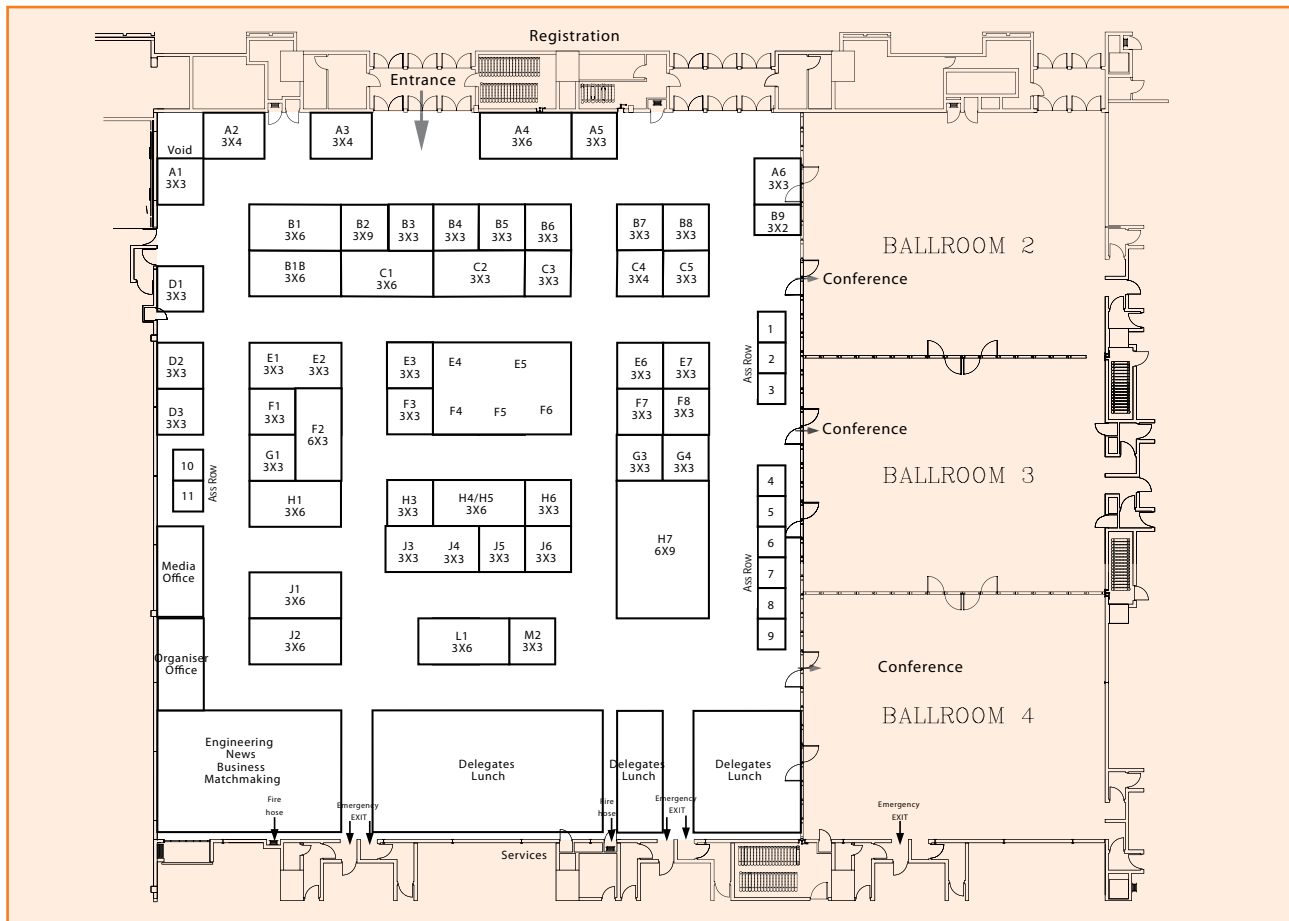
The Engineering News Business Matchmaking Lounge is situated in the centre of the exhibition and conference area, providing a comfortable and convenient lounge to conduct your business meeting.

Meet the Business Matchmaking Programme Coordinators who will assist you in the planning of your meeting diary. Engineering News hosts are ready to meet you to discuss the benefits of subscriptions and advertising in their print and online publications.

Pre- scheduled Meetings  
Central Meeting Venue



# Exhibition Floor Plan



Stand Number	Exhibitor
A1	LVSA Valves Pty Ltd
A2	Bosal Afrika
A3	Harbin Universe Bright Imp./Exp Trading
A4	Zhejiang Hurras Solar energy Technology Co Ltd
A5	EQS Energy
A6	Shen Yang YuanDa Mechanical & Electrical Equipment
B1	Ningbo South New Energy Technology
B2	Ningbo Fengshen FengDian Science & Technology
B3	Xiamem Leedarson Lighting
B4	Jianxing Yuantong Best Industry
B5	Superenergy Photoelectricity Technology
B6	Natural Balance
B7	Frontier Electronics
B8	Hudaco Trading (Pty) Ltd / Elvey
B9	Tirupati Plastomatic PVT
C1	Golden Star Magnetic Pty Ltd
C3	Jianshi Eternal Solar Energy Lighting
C4	RV Technologies
C5	impactChoice
D1	Haining Wit Solar Energy Technologies
D2	Zhejaing CN Solar Technology
D7	Media Longe - Interviews
E1 & E2	Shandong Linuo New Material Co Ltd
E4 - E 5	Spinlux/ SCP Polycloth Manufacturing (Pty) Ltd
E6	Hangzhou Solar Photo Electricity
E7	Suntech Power Holdings Co Ltd
F1	Ocean Rainbow Battery Co Ltd
F2	WINSUN NEW ENERGY
F3	Intel Pro Technology
F4 - F6	Spinlux/ SCP Polycloth Manufacturing (Pty) Ltd
F7	Chinaland Solar Energy Co Ltd
F8	IMAB
G3	Zhe Jiang BLD Solar Technology
G4	General Cable
H1	Nokia Siemens Networks
H3	Bursting Ideas
H4 & H5	Jiangsu Tianbao PV Energy Co, Ltd
H6	Arel
H7	CP-Solar Co Ltd
J1	Dewey & LeBoeuf Pty Ltd
J2	AREVA
J3 - J4	XH Solar Energy
J6	RSV Enco Consulting (Pty) Ltd
L1	Franke Water Heating (Pty) Ltd
M2	Yashan/Green Technologies
Association Row	
1	SANEA
2	BUSA
3	British Chamber
4	UK Trade & Investment
5	MEETI
6	NEEA
7	Amcham
8	Lex Africa
9	The Southern African German Chamber
10	SAEEC
11	NBI (National Business Initiative)



Your industry specialists  
relating to marketing,  
communications, public  
relations and event  
management.

**SIYENZA**  
all about people

Tel: 011 463 9184  
Email: [info@siyenza.za.com](mailto:info@siyenza.za.com)  
Web: [www.siyenza.za.com](http://www.siyenza.za.com)

## Exhibitors

### American Chamber of Commerce

The American Chamber of Commerce is the only voice of American business in South Africa. Amcham has a membership of 200 companies who contribute 9% of South Africa's GDP and between 20 and 30% of total CSI spend in South Africa. The primary focus of Amcham is to provide networking opportunities, and to ensure a business friendly environment through advocacy.

[www.amcham.co.za](http://www.amcham.co.za)      011 788 0265

### AREL

AREL focuses on large-scale industrial BIPV, Gas-to-Energy and Solar Covered Landfill (SCL) projects employing integrated thin-film solar membranes. SCL is a practical solution to the power shortages that plague many African cities. Most importantly, AREL is a facilitator of Total Project Finance via CDM, debt and development grant funding.

[www.afrenew.com](http://www.afrenew.com)      0044 207 321 3866

### AREVA

First in the global nuclear power industry, AREVA's integrated offering covers every stage of the fuel cycle, reactor design and construction, and related services. The group is developing a portfolio of operations in renewable energies. AREVA is a leader in electricity transmission and distribution, offering solutions for grid stability and energy efficiency.

[www.areva.com](http://www.areva.com)      011 367 3600

### Bosal Enerpac

Bosal Enerpac has been awarded the best importer of the year since 2006/2009. We already expanded our workshop which gave us the opportunity to load test up to 1500 tons. We are also known as a well respected synchronized lifting company. Computer controlled lifting and pushing. Where any bolts need to be tightened we use our torque wrenches. Hydraulic power for all industrial applications. STRENGTH THROUGH SERVICE.

[www.enerpac.com](http://www.enerpac.com)      012 391 1226

### British Chamber

Giving effect to our value proposition 'Networking and Events Driven Outcomes for Business - Performance with a Purpose', the British Chamber of Business in Southern Africa serves as a networking platform, as well as providing a forum for its members to discuss and share best practices and business intelligence.

[www.britishchamber.co.za](http://www.britishchamber.co.za)      011 482 8833

### Bursting Ideas

Bursting Ideas is a 100% privately owned BEE business founded by Thandi Senoamali and Sibuleka Langa. We are uniquely positioned as a provider of Infrastructure Development Solutions. Our products and services are driven by innovation; we bring social justice to the planning and implementation of infrastructure and sustainable development in Africa.

[www.burstingideas.co.za](http://www.burstingideas.co.za)      011 728 8059



## Exhibitors



### **BUSA**

Business Unity South Africa (BUSA) was created in October 2003 through the merger of the Black Business Council and Business South Africa. It began operating in January 2004. The merger created the first truly unified organisation for business in South Africa.

BUSA represents South African business on macro-economic and high-level issues that affect it at the national and international levels. Our function is to ensure that business plays a constructive role in the country's economic growth, development and transformation and to create an environment in which businesses of all sizes and in all sectors can thrive, expand and be competitive.

[www.busa.org.za](http://www.busa.org.za)

011 784 8000

### **Chinaland Solar Energy Co Ltd**

Chinaland Solar Energy Co Ltd is a hi-tech company engaged in the development, research, production, sales and service of crystalline silicon wafers, solar cells, solar panels, and photovoltaic systems. The newly-built Photovoltaic Industrial park is a several-hundred-million RMB project invested by Chinaland Solar Energy Co Ltd, located at Feidong New City Economic Development Zone of Hefei City with convenient traffic. For the first phase, the building area is 60000M2. After its completion, the annual output will be over 80 million pieces of silicon wafers, 200MW cells, and 200MW panels. Chinaland Solar Energy Co Ltd is dedicated and professional - We have 5 divisions: Solar Energy Photovoltaic Research Institute, Crystalline Silicon wafers Division, Solar cells Division, Solar Power Panels Division, and Photovoltaic Power Generation Systems Engineering Division.

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

0086 551 775 8499

### **CN Solar Technology Co Ltd**

CN Solar Technology Co Ltd is located in the beautiful Hang Zhou Bay New Development Zone, nerby the famous Hang Zhou Bay sea crossing bridge. The company founded in April 2007, occupied 50000 square meters. It's primary working on the manufacturing and sales amorphous silicon thin film, monocrystalline solar module & accessories as well as he PV construction integration, research, develop and construct on the big power station.

[www.zjcn solar.com](http://www.zjcn solar.com)

0086 574 6393 7488

### **CP-Solar Co Ltd**

2009 was a year of change and growth for CP-Solar. 2010 is the year for rapid development and opening several offices in Europe and a new plant in China and Eastern Europe. Our new subsidiary CP-Solar Europe, which opened in August 2009 is located in Le Havre. It is the first office of Cp-Solar in Europe. We have a training school for our products. CP-Solar is a producer of photovoltaic panels mono and ply crystalline known and recognised for its reliability, quality with a 10 year warranty on panel, 20 yaers to 90% on productivity. European Liability Insurance: 1. Operating Liability Insurance; 2. Liability Products Supplied - according to the integration with Lynx Finances Group, CP-Solar should continue its development and will have capacity of 180 MW per year on three production sites.

[www.cp-solar.com](http://www.cp-solar.com)

0086 577 889 52798



### Dewey & LeBoeuf Pty Ltd

Dewey & LeBoeuf is a full-service global law firm with more than 1,400 lawyers in 25 offices worldwide.

Our strong international network handles oil and gas, pipeline, LNG, electric power/utility and related energy matters (including hydroelectric, wind and nuclear) for clients on a global basis.

We have had an extensive Africa practice for more than a decade and we are one of the few international law firms with an office in Africa.

[www.dl.com](http://www.dl.com) 011 911 4300

### Elvey Security Technologies

Elvey Security Technologies was established in 1946 and is today a leading distributor of electronic security equipment in sub-Saharan Africa. We provide a unique blend of domain expertise and strive to provide exceptional service by looking for state-of-the-art technology to accelerate and facilitate the journey of all our customers towards improved security systems. With a growing number of power failures due to metal theft which further compromise the supply of electricity. Elvey has developed a comprehensive security solution to comprehend criminal proactively.

[www.elvey.co.za](http://www.elvey.co.za) 011 401 6700

### EQS Energy

EQS Energy is a company whose vision is to drive a "GREEN" strategy within businesses in Southern Africa. Our main objective is reducing the rising costs of electricity bills and reducing the Carbon Footprint for Corporate and Commercial Clients. We are an Electro Sense Business Partner and Market, Sell and Install the Electro Sense Proactive Energy Management System™ for the control of lighting systems.

[www.eqsenenergy.com](http://www.eqsenenergy.com) 086 154 4454

### Franke Water Heating (Pty) Ltd

Franke Water Heating Systems, the leading geyser manufacturer, have re-evaluated their geyser offering to the market and as such have launched the Franke Slimline and the Franke Standard geysers, as well as a unique Franke Solar geyser range. Franke Water Heating Systems has made significant investments in state-of-the-art geyser manufacturing and process control technology. Using advanced technology Franke Water Heating Systems delivers high performance, efficient and durable geysers - Leading the industry into the future.

[www.franke.com](http://www.franke.com) 011 357 3300

### Frontier Electronics

Frontier Electronics is an Importer and Distributor of Led Lights and Computer Hardware.

[www.frontier-electronics.co.za](http://www.frontier-electronics.co.za) 011 608 1809

### General Cable

We operate in 25 countries including Africa. Supply generation, transmission, distribution for mines, railways, gas, oil & petrochemicals, offshore & marine shipboard cables. Through National Cables SA, we distribute XLPE, PILC, PVC, OPGW, ABC, ACSR, AAAC, Rubber, HO7RNF, Panelwire, Silicone, Welding, Submersible & Submarine cable, house wire and bare conductor

[www.nationalcables.co.za](http://www.nationalcables.co.za) 011 824 4747



## Exhibitors



### Golden Star Magnetic (Pty) Ltd.

Golden Star Magnetic (Pty) Ltd. imports energy saving products from Hyundai Lighting Electric to South Africa and will continue its efforts in energy saving and environmental protection.  
**011 873 0022**

### Green Technologies

Green Technologies is a company that was established to specifically target the negative impact inefficient use of power has on our environment. We look at the latest technologies and trends in the market place and adapt them to address these pressing issues.

Our philosophy is to ensure that all our products make commercial sense, and by that we mean that once our products have been installed, our customers see the positive monetary impact. We question why "going green" or "being efficient" means an expense to an organization. Surely the motivation behind being efficient is to save on our limited resources? And surely money is part of that category?

At Green Technologies we look at the brightest young minds to push forward our innovative product lines. It is through constant innovation that we are able to ensure that we are a company who, without a doubt, are able to provide the best products to our clients. Our development relationships span from Europe to the Americas, constantly seeking out more innovative products and further developing and customising items that meet our benchmark.

**www.gtech.co.za**                      **011 726 8092**

### Haining Wit Solar Energy Technologies Co Ltd

A professional company specialized in solar energy products designing and manufacturing such as solar water heater, offering vacuum tubes, pressurized or nonpressurized water tanks, solar work station, controller and other products like socket and plug.

**http://wits.en.alibaba.com**      **0086 573 878 16887**

### Hangzhou Solar Photoelectricity Co Ltd

Hangzhou solar photoelectric co Ltd is a profession engaged in solar modules, solar photovoltaic system research, production and marketing enterprises. Factory was established in 2005, Hangzhou City, Zhejiang. We produce various solar modules. Epoxy, PET laminated, Glass laminated solar module. "The same quality that we must lower the price, the same price we must better the quality" is our business philosophy. The purchase and use of our products must be your right choice. Welcome new and old friends. Feel free to contact us.

**www.hzsolar.net**                      **0086 571 2329 1988/7**

### Harbin Universe Bright Imp/Exp Trading Co

We are pleased to supply high quality products and excellent service to the customers from all over the world.

**www.ubtsolar.com**                      **0086 451 8462 5298**



### Imab Engineering

The Imab Engineering Group of Companies is Southern Africa's market leader in the manufacturing and supply of electrical substations and transmission towers to the respective industries throughout Africa and the rest of the world. We live by our motto: "Strive for excellence, meet our commitments and grow with our client base."

[www.imab.co.za](http://www.imab.co.za) 011 814 5456

### impactChoice

impactChoice provides turnkey environmental sustainability solutions based on easy-to-understand interventions. From carbon emissions measurement and reduction through efficiency, carbon offsets, and renewable energy trading, impactChoice delivers verifiable results that can boost a company's bottom line and increase shareholder value.

[www.impactchoice.net](http://www.impactchoice.net) 011 912 1000

### Intel Pro Technology

Intel Pro the Alternative Power Company is a privately owned business focused on providing renewable energy solutions for businesses, schools, homes and industries. We are a South African Company that design and distribute the Green Line Power™ wind turbines and offers comprehensive renewable energy services including certifiable, advanced, high efficiency, grid connected or stand-alone power/cogeneration equipment. We specialize in Wind, Solar Power, Lighting Systems. Intel Pro also offers LED lighting solutions for the African market.

[www.intelpro.co.za](http://www.intelpro.co.za) 087 353 2567

### Jiangsu Xinghuo Solar Energy Lighting Co Ltd

XH solar energy is a leading manufacturer and exporter of solar cells and solar lighting products located in China. Our clients from over 30 countries include Europe, North America, Middle East and Asia. Our company is a member of national renewable energy organisation and the exclusive partner of Fudan University. Owing advanced production line for solar modules, low and high-pressure sodium lamps, light fixtures as well as poles, with unique patented technology. We can ensure the best quality products and competitive prices.

[www.xhsolar.net](http://www.xhsolar.net) 0086 514 8422 1866

### Jiangsu TianBao PV Energy Co Ltd

Jiangsu TianBao PV Energy Co Ltd is a Chinese-Dutch joint venture enterprise focusing on manufacturing, marketing, research and development of Solar PV and solar thermal products. The company was incorporated on 1st December 2005, located in Economic Development Zone, Yizheng, Jiangsu, with 60 000sqm of space.

[www.tianbao-pv.com](http://www.tianbao-pv.com) 0086 514 8363 1111

### Jianshi Eternal Solar Energy & Lighting

Eternal Solar is engaged in solar photovoltaic research and development, production, ntergration of private sales of high technology enterprise in China. Our production include mono and polysilicon battery modules, solar street light, solar gardenlight, solar lawn light, solar flashlight, solar mobile charger, solar camp light, solar power supply etc.

[www.solar-yh.com](http://www.solar-yh.com) 0086 574 6228 8962



## Exhibitors

### Jiaxing Yuantong Best Industry Co Ltd

Jiaxing Yuantong Best Industry Co. Ltd is a company that manufactures and sells solar water heaters and solar thermal collectors. Our company has a senior team for manufacturing and designing hot water systems. We focus on providing simple and effective solutions for families and business concerning about the effects of climate change and rising energy costs.

[www.yuantongsolar.com](http://www.yuantongsolar.com)      0086 573 8608 9880

### Lex Africa

Lex Africa is a network of leading corporate law firms in 25 African countries. Member firms are selected on the basis that they consistently meet world-class standards in legal practice. Each member firm acts in an independent and professional capacity, but will also collaborate with other member firms where the matter extends across borders. Collectively, they facilitate trade and investment through best legal practice.

[www.lexafrica.com](http://www.lexafrica.com)      011 535 8188

### LVSA Valves Pty Ltd

LVSA Valves specialize in:

The supply of valves to the Petro Chemical industry

Capital project management and support

Full service modification shop with engineering support

Technical and inventory support for projects.

[www.lvsa.co.za](http://www.lvsa.co.za)      011 680 2005

### MEETI

The Minerals and Energy Education and Training Institute (MEETI) is an independent convener of courses and seminars, both open attendance courses and custom designed.

Since 1996, MEETI delivers unmatched value to beneficiaries, leveraging strong relationships forged with industry experts, providing work-actionable training. Our trainings have remained instrumental in the African public policy arena, contributing to various countries policy and industry management skills within the minerals, environment and the energy sectors.

[www.meeti.org.za](http://www.meeti.org.za)      011 709 4311

### National Business Initiative

The National Business Initiative (NBI) is a voluntary group of leading national and multi-national companies, working together towards sustainable growth and development in South Africa through partnerships, practical programmes and policy engagement.

Since its establishment in 1995, the NBI has been an advocate for the collective role of business in support of a stable democracy, growing economy and healthy natural environment. As one of close to 60 global regional partners to the World Business Council for Sustainable Development (WBCSD), the NBI provides a platform for business leadership and a vision of how companies can contribute to a sustainable society.

The organisation's role is that of advocacy for good corporate citizenship, partnership-building and strategic project implementation. It mobilises business leadership and resources, promotes dialogue between business and government and implements large-scale programmes.

[www.nbi.org.za](http://www.nbi.org.za)      011 544 6000



### Natural Balance

Natural Balance is a South African social enterprise that develops and markets the Wonderbag. This heat-retention/insulation cooker conserves the environment by saving energy, alleviating poverty and bringing about social change. The Wonderbag is currently being registered as a programmatic CDM project for carbon trading.

[www.naturalbalancesa.com](http://www.naturalbalancesa.com) 0861 966 224

### NEEA

Established by the Department of Minerals and Energy, the National Energy Efficiency Agency (NEEA) oversees the implementation of Demand Side Management and Energy Efficiency projects by Eskom and other entities in the country. Additionally, NEEA develops strategies to address the growing demand for energy in gas, electricity and liquid petroleum.

[www.cef.org.za](http://www.cef.org.za) 010 201 4700

### Ningbo Feng Shen Feng Dian Science & Technology Co Ltd

Ningbo Fengshen Fengdian Science and Technology Co Ltd is a world leading innovator at wind & Solar Hybrid new energy area, we are specializing in wind & Solar Hybrid system, medium and small size wind generating system, solar street light system for over 6 ears. we ae looking forward to making our partners value appreciated via each nice cooperation.

[www.winpower.cc](http://www.winpower.cc) [www.chinawinpower.com](http://www.chinawinpower.com) 0086 574 8788 4006

### Ningbo South New Energy Technology Co Ltd

Ningbo South New Energy Technology Co Ltd founded in 2006. we design, mnufacture and sel solar modules, solar power systems and othr related olar products. Our producrion capacity in 2010 is 60MW.\ We passed ISO 9001:2000 quality Control System, CE and we will pass certification in May 2010.

[www.nf-solar.com](http://www.nf-solar.com) 0086 574 2880 8003

### Nokia Siemens

Nokia Siemens Networks is a leading global enabler of communications services. The company provides a complete, well-balanced product portfolio of mobile and fixed network infrastructure solutions and addresses the growing demand for services in the telecommunication market. Nokia Siemens Networks employs approximately 20,000 service professionals worldwide. Nokia Siemens Networks is a leading telecommunications infrastructure provider with operations in more than 150 countries.

[www.nokiasiemensnetworks.com](http://www.nokiasiemensnetworks.com) 011 652 2000

### Ocean Rainbow Battery Co Ltd

Ocean Rainbow Battery Co.,Ltd is an export enterprise specializing in manufacturing sealed. Rechargeablw lead-acid batteries, the company adopts Japanese technology, with higher standards than Japanese & equipped with perfect equipment. We can provide batteries of 2V to 24V ect. The products, More than 90% are exported to Europe, America, Mid-East and South-east Asia, are wildly chosen by various fields usage of spare power supply.

[www.oceanbattery.cn](http://www.oceanbattery.cn) 0086 757 2533 9993



## Exhibitors



### **RSV Enco Consulting (Pty) Ltd**

RSV ENCO Consulting (Pty) Ltd (ENCO) is an internationally recognised programme and project management consultancy firm. Focusing on the the renewable and non-renewable energy and infrastructure sectors, ENCO has a pool of multidisciplinary skills and expertise nurtured by a long and successful association with mining and industrial projects across three continents.

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

011 498 6010

### **RV Technologies**

RV Technologies is an Energy Solutions company focused on delivering quality, innovative and real solutions which satisfy the growing demands for reduced energy consumption in commerce and industry in South Africa.

RV Technologies will work with you to highlight key areas of benefit, not only in terms of reduction of energy but also reduced maintenance and downtime costs within your processes. Through our Powerboss range of solutions such as Powerboss intelligent motor control system and Powerboss intelligent lighting control system.

[www.rvtechnologies.co.za](http://www.rvtechnologies.co.za) 047 532 6694

### **SAEEC**

The South African Electrotechnical Export Council is a not-for- gain organisation, Public-Private Partnership between South African business and the Department of Trade and Industry.

Our members are South African registered companies in the following sectors: Electronics, Electrical Engineering and ICT.

The SAEEC facilitates trade for our members and acts as a gateway for finding South African suppliers.

[www.saeec.org.za](http://www.saeec.org.za)

011 315 0209

### **SANEA**

The South African National Energy Association (SANEA) has as its vision "Energy People Working Together". This vision is exercised through the active participation of SANEA members. SANEA is a non-partisan, diverse energy association with international networks. It represents a hub for the exchange of energy related information. In so doing, SANEA stimulates original thought and catalyses transformation of the Energy Sector.

SANEA is also the South African member committee of the World Energy Council (WEC). WEC is the foremost global multi-energy organisation in the world today. WEC has Member Committees in over 90 countries, including most of the largest energy-producing and energy consuming countries.

[www.sanea.org.za](http://www.sanea.org.za)

031 368 8000

### **Shandong Linuo New Material Co Ltd**

Shandong Linuo New Material Co Ltd is a professional manufacture for solar vacuum tube, heat pipe and solar collector. The company was established is 1988. The total assets is 4 billion RMB. We have now 185 production lines for vacuum tubes and has annual capacity of 45 Million pieces of vacuum tubes. And annual capacity of heat pipe is 1 Million pieces. And annual



capacity of collector is 10,000 sets. The company was authorised with the certificate ISO 9000, and also with the professional certificate CGC in China, Solar Keymark in Europe, and SRCC in USA in terms of solar collector products.

[www.lnxcl.com](http://www.lnxcl.com) 0086 531 8488 0653

#### ShenYang YuanDa Mechanical & Electrical Equipment Co Ltd

ShenYang YuanDa Mechanical & Electrical Equipment Co Ltd manufactures wind turbine and generators. Our products have generated power for China on a local grid.

[www.cnydme.com](http://www.cnydme.com) 0086 242 527 1562

#### Southern African - German Chamber of Commerce and Industry

For over fifty years, the Southern African - German Chamber of Commerce and Industry has been facilitating business links between Southern Africa and Germany by identifying market opportunities, informing about market conditions and finding partner companies. We are your solution on trade fair participation overseas, especially in Germany and Southern Africa.

[www.germanchamber.co.za](http://www.germanchamber.co.za) 011 486 2775

#### Spinlux Solid Lighting (Pty) Ltd

Founded in 2004, Spinlux is a flourishing LED company and one of the leaders in industrial lighting innovation. The company supplies its own ultra-bright LED chips and produces high performance and energy efficient fixtures dedicated to home, outdoor and architectural application. We serve our worldwide clients from a wide variety of LED lamps and finish for the retail lighting requirement.

[www.spinlux.com](http://www.spinlux.com) 051 436 6009

#### Suntech Power Holdings Co Ltd

Suntech Power Holdings Co Ltd is the world's leading solar energy company as measured by production output of crystalline silicon solar modules. Suntech designs, develops, manufactures, and markets premium quality, high-output, cost-effective and environmentally friendly solar products for electric power applications in the residential, commercial, industrial, and public utility sectors. Suntech offers an extensive range of customer-centric innovations, including Suntech's patent-pending Pluto technology for crystalline silicon solar cells, which improves power output by up to 12% compared to conventional production methods, the Reliathon (TM), the industry's first fully integrated utility-scale solar platform, and its broad range of building-integrated solar products.

[www.suntech-power.com](http://www.suntech-power.com) 0086 510 8531 8888

#### Superenergy Photoelectricity Technology Co Ltd

Superenergy Photoelectricity Technology Co., LTD. is one of the leader in the design, manufacture, sales and service of high quality Solar modules in China. Our commitment is to design and manufacture the excellent high-performance Monocrystalline Solar Modules & Polycrystalline Solar Modules ranging from 5 Watt to 280 Watt in power output.

[www.china-solar.cn](http://www.china-solar.cn) 0086 516 6666 2888



## Exhibitors



### Tirupati Plastomatic Pty Ltd

Tirupati plastomatics pvt.Ltd.India a company that manufactures various types of It.Pvc/xlpe armoured/unarmoured cables and conductors for overhead transmission as per sabs/bs/iec/vde/bis standards. The company possess relevant permits from south african bureau of standards/bureau of indian standards.

[www.gemicable.com](http://www.gemicable.com) 0091 141 233 1030

### UK Trade & Investment

UK Trade & Investment helps international companies establish & expand in the UK; and offers business opportunities, trade advice & support to help UK-based companies grow overseas. With a trading relationship worth over £8 million in two-way trade, the UK remains one of South Africa's key foreign direct investors, with a number of household UK names present in the market across key sectors.

[www.uktradeinvest.gov.uk](http://www.uktradeinvest.gov.uk) 011 537 7000

### Winsun New Energy Co Ltd

Winsun New Energy Co., Ltd. established in Apr., 2008, is a company invested by Hong Kong capital. The company is specialized in production of solar grade silicon ingot & wafer (mono & multi crystalline), as well as solar modules in full range of capacities. The total investment of company is USD\$184 million and the entire project turnout is around 450MW/year. Inspired by the Sun, energized by Solar", our objective is to continue to be in the limelight of market developments & to establish itself perpetually in the top group.

[www.winsun-pv.com](http://www.winsun-pv.com) 0086 512 6360 7333

### Xiamen Leedarson Lighting Co Ltd

Leedarson Lighting is a professional CFL and LED lamp manufacturer with more than 5000 workers. With glass, buners and ballasts produced in-house, and due to introducing automatic production lines, Leedarson is now able to produce 18 million top-quality CFLs and LED lamps monthly.

[www.leedarson.com](http://www.leedarson.com) 0086 592 3988 001

### Zhejiang BLD Solar Technology Co Ltd

BLD Solar is an integrated gloable solar energy solution provider, as well as a manufacturer of mono and poly crystalline solar /modules.

[www.bldsolar.com](http://www.bldsolar.com) 0086 572 570 0888

### Zhejiang Hurras Solar Energy technology Co Ltd

We are the manufacturers of solar water heaters and solar panels and offer OEM service. We focus on the technology and research the solar water heater with new styles and high quality, advanced design and easy operation.

[www.hurrassolar.com](http://www.hurrassolar.com) 0086 573 8788 7788



# Media Partners



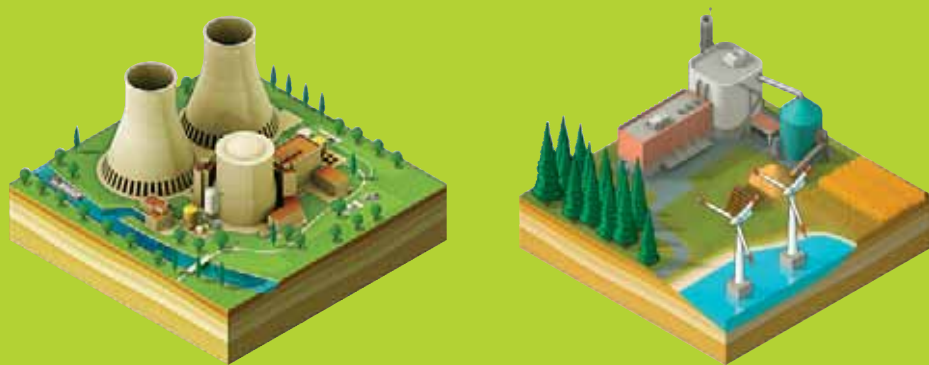
## Mail & Guardian





# Our energies have a future.

# A future without CO<sub>2</sub>.



**World energy demand is increasing. Greenhouse gas emissions must be curbed.** To meet this dual challenge, AREVA is innovating. As world leader in the nuclear energy business and as a group committed to the development of renewable energies, AREVA offers its customers solutions for producing electricity, while protecting the planet.

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

**AREVA**



# Diarise the date...

## 2 - 4 March 2011



ENERGY  
SOLUTIONS  
FOR AFRICA  
2011

ENERGY  
2011



solutions for africa  
CONFERENCE & EXHIBITION  
2 - 4 MARCH 2011  
Sandton Convention Centre, South Africa



DEWEY & LeBOEUF

## The Global Law Firm in Africa

### Energy and Experience

We represent project sponsors, governments, parastatals, and banking and financial institutions in the power, oil and gas, renewables, telecommunications, mining and infrastructure sectors.

Dewey & LeBoeuf has worked on significant projects in more than 40 African countries.

**Johannesburg Office** | 11th Floor | The Forum Building | 2 Maude Street  
P.O. Box 781033 | Sandton | Johannesburg 2196 | South Africa  
tel +2711 911 4300 | fax +2711 784 2855