



# **GREEN BUILDING & ENERGY EFFICIENCY YOUR SUSTAINABLE CITY CONFERENCE**

**“THE ONLY  
INEXHAUSTIBLE SOURCE  
OF ENERGY IS  
ENERGY SAVING”**

*At OPEN, Maboneng, Johannesburg, November 17th 2015*



# TUESDAY 17 NOVEMBER



**GREEN BUILDING & ENERGY EFFICIENCY**  
YOUR SUSTAINABLE CITY CONFERENCE

 <b>08h00</b>	<p><b>WELCOME</b></p> <p>TEA AND COFFEE</p>	 <b>MAIN HALL, OPEN</b>
 <b>08h30</b>	<p><b>OFFICIAL ADDRESS</b></p> 	 <b>MAIN HALL, OPEN</b>
 <b>09h00</b>	<p><b>PANEL SESSION 1: TOWN PLANNING, ARCHITECTURE AND MOBILITY</b></p> 	 <b>MAIN HALL, OPEN</b>
 <b>10h00</b>	<p><b>PANEL SESSION 2: ENERGY EFFICIENCY IN BUILDINGS</b></p> 	 <b>MAIN HALL, OPEN</b>
 <b>11h00</b>	<p><b>COFFEE BREAK AND SPEED MEETING SESSION</b></p>	 <b>MAIN HALL, OPEN</b>
 <b>11h20</b>	<p><b>PANEL SESSION 3: HOW TO MAKE ENERGY EFFICIENT BUILDINGS MORE AFFORDABLE</b></p> 	 <b>MAIN HALL, OPEN</b>
 <b>12h30</b>	<p><b>NETWORKING LUNCH</b></p>	 <b>LIVING ROOM (ROOFTOP IN THE SAME BUILDING)</b>



## FOREWORD

Dear Delegate,

The French Trade Commission - Business France in South Africa would like to thank you for attending this Green Building & Energy Efficiency Conference.

From November 30 to December 11, the world's decision makers will be meeting in Paris for the Climate conference "COP21". Humanity is at a crucial crossroad. World leaders have to agree on commitments to significantly reduce carbon dioxide emissions in order to, hopefully, reverse climate change.

Saving energy is one of the ways to reduce carbon dioxide emissions. South Africa has already committed in energy efficiency through different programmes such as the "Integrated Demand Management (IDM)". SABS has published standards on energy efficiency such as SANS 204 and SANS 10 400 XA. The Green Building Council of South Africa is certifying tertiary buildings by awarding green stars.

In this context, the French Trade Commission - Business France and the Embassy of France to South Africa have decided to organize a conference focused on Green Building & Energy Efficiency in order to present the South African needs and existing actions to develop better energy efficiency in buildings, introduce the French know-how and expertise in this sector, and also present the existing incentives and the ones to be developed to encourage the use of greener solutions, in cities and at home and to make them affordable.

This will also be the opportunity to foster successful collaborations between the nine French companies specialized in energy efficient buildings and South African businesses and institutions.

We hope this conference will be instructive and interesting and we wish you fruitful business encounters.

**Jacques Torregrossa**

French Trade Commissioner/Director of Business France for South Africa and sub-saharan Africa



**PARIS2015**  
ON CLIMATE CHANGE COP21-CMP11

# PROGRAMME

**Moderator: Mrs Liesl Louw-Vaudran (freelance journalist)**

## WELCOME & INTRODUCTION

- 8:30 - 9:00
- Mr Mark Seftel, Director, Open
  - H.E. Mrs Elisabeth Barbier, Ambassador of France
  - Mr Jacques Torregrossa, French Trade Commissioner and Director of Business France South African and Sub-Saharan Africa.

## PANEL SESSION 1

### Town planning, architecture and mobility

- 9:00 – 10:00
- Mr Ravi Naidoo, Executive Director for Economic Development, City of Joburg
  - Mr Henning Rasmuss, Director International Projects, Paragon Group
  - Mrs Karen Levy, French PhD candidate and researcher in Johannesburg
  - Mr Nicolas Ziesel, Co-founder, KOZ Architectes
  - Mr Matthias Handschin, Business Development Director, Alstom Transport Southern Africa

Q&A

## PANEL SESSION 2

### Energy efficiency in buildings

- 10:00 – 11:00
- Ms Lisa Reynolds, Sustainability Director, Saint-Gobain Construction Products South Africa
  - Mrs Corinne Block-Raguin, Executive Director, Cerway
  - Mr Jean-Fabrice Vandomel, Chairman and CEO, Be Green Engineering
  - Mr Slawomir Szpunar, International Marketing Director, Global Implementation of Multi-Comfort program, Saint-Gobain

Q&A



## COFFEE BREAK

11:00 - 11:20 • Speed meeting possibilities

## PANEL SESSION 3

### How to make energy efficient buildings affordable and sustainable?

- 11:20 - 12:20 •
- Mr Barry Bredenkamp, Senior Manager: Energy Efficiency, Sanedi
  - Mrs Danelle Veldsman, Senior Consultant, Sustainable Solutions representing Nedbank
  - Mr Arthur Germond, Deputy Regional Director of the French Development Agency (AFD) for Southern Africa
  - Mr Werner van Antwerpen, Head of Sustainability and Utility, Growthpoint

Q&A

## NETWORKING LUNCH

12:30 - 14:30 • @livingroom sponsored by Saint-Gobain

## TOUR OF MABONENG

14:30 - 15:30 • Tour of Maboneng precinct proposed by Propertyu



# OUR SPEAKERS



## Her Excellency Elisabeth Barbier

### Ambassador of France

Ambassador Barbier has been a diplomat for almost 40 years. She was previously Ambassador of France to Kenya and is the second female French Ambassador to South Africa. The Ambassador arrived in South Africa in February 2013.

She is an experienced diplomat who had, before returning as Ambassador, served in South Africa twice, first as a first secretary in Pretoria (1982 – 1986) and then as Consul General in Johannesburg (1994-1998).

## Liesl Louw-Vaudran

### Freelance Journalist

Liesl Louw-Vaudran is an independent journalist and analyst focusing on African issues. She works as a consultant for the Institute for Security Studies in Pretoria, notably as editor of the African Union Peace and Security Council Report.

She is a regular contributor to the Mail&Guardian newspaper in Johannesburg and comments on African current affairs on radio and television. She is also chairperson of the board of the Alliance Française of Johannesburg. Liesl has lived and worked in France and Senegal and has reported from over 20 African countries.



## PANEL SESSION 1



## Mr Ravi Naidoo

### Executive Director of Economic Development at the City of Johannesburg

Mr Ravi Naidoo is the Executive Director of Economic Development at the City of Johannesburg. In this portfolio he is responsible for economic strategy, tourism development, and transversal economic programmes.

While he has recently joined the City in January 2014, he has over twenty years of experience in the State and development. He was previously the Head of Economic Research and Policy for the Department of Trade and Industry. He also served for five years as Group Executive for Development Planning with the Development Bank.

# OUR SPEAKERS

## Mr Henning Rasmuss

### Director, Paragon

Henning Rasmuss is director of international projects in the Paragon Group of companies, operating out of Johannesburg / South Africa. The Paragon Group brings together continentally active African design businesses, delivering architecture, master planning, interior design and space planning to ambitious clients in all property sectors.

Henning is responsible only for projects outside of South Africa. The focus is on continental Africa, where he has worked in 18 different countries since 2001.



## Mrs Karen Levy

### French PhD candidate and researcher in Johannesburg

Karen Levy is an architect and town planner with 12 years of experience in the private sector.

She is also conducted studies and realized urban projects that provided her a comprehensive and multisector vision of urban issues, as well as the understanding of the various facets of operational urban and land-use planning.

Karen has been developing a strong expertise in cities of developing and emerging countries: she has been working as a doctoral student on spatial structures and on the city transformation actors in Johannesburg in particular. In 2014, she published the "Small Atlas of Johannesburg" available at the French Institute in South Africa upon request.

## Mr Nicolas Ziesel

### Co-founder, KOZ Architectes

Nicolas Ziesel is the co-founder of KOZ Architectes and PLAN02, a sustainable engineering office

KOZ is recognized for delivering inspiring and cutting edge environmental designs. The office's work range from the acclaimed "Tête en l'air" social housings in Paris to proposals for a 2000 living units "urban agricultural neighborhood" in Nantes, and developing new community oriented design strategies.



# OUR SPEAKERS



## **Mr Matthias Handschin**

**Business Development Director,  
Alstom Transport Southern Africa**

Matthias Handschin started his career at the BBC AG Brown Boveri & Cie as Project Engineer for metros, tramways and regional railways.

He then occupied various positions Swiss Federal Railways SBB technical department : Project engineer for rolling stock, operation and maintenance, Manager passenger-vehicles, Workshop-manager and Director of the rolling stock department for SBB-Passenger.

In 2004, he joined the Management committee of Regionalverkehr Mittelland Ltd where he was in charge of the merger-project of Regionalverkehr Mittelland Ltd. with the BLS railway-company.

In 2006, he became Managing Director of Alstom Transport in Switzerland

In 2012, he was seconded to Alstom Transport SA in Paris as the Tender-leader for the PRASA fleet renewal programme. He became Business Development Director for Transport in 2014

## **PANEL SESSION 2**

### **Ms Lisa Reynolds**

**Sustainability Director, Saint-Gobain Construction**

Lisa has worked in the insulation and interior building industry for 12 years. In March 2009, the Technical Committee began Edition 2 of the SANS 204 series and Lisa is once again the Chairperson of the Working Groups responsible for the drafting of these standards. Lisa was a member of the Technical Working Group for the Green Building Council of SA which drafted the Green Star rating tool for Offices (published October 2008) and the Green Star rating tool for Retail (published 2009).

She is actively involved in writing the energy efficiency standards for buildings and industry and is a member of the Regulatory Advisory Group.



### **Mrs Corinne Block-Raguin**

**Executive Director, Cerway**

Graduated from Sciences Po Paris, Corinne worked about 15 years for Electricité de France, in charge of international development in Southern Africa and then Russia. She then moved to consultancy for international strategies and partnerships before joining Bureau Veritas as a Commercial Director for services to governments. She was then recruited by Transdev as Director for external relations and strategic partnerships. She joined Cerway in 2013 at its creation, in order to develop HQETM certification worldwide.



# OUR SPEAKERS

## Mr Jean-Fabrice Vandomel

### Chairman and CEO, Be Green Engineering

Fabrice Vandomel is an expert in the issues related to energy efficiency and savings in construction. From 2003 to 2011, he was the Director for an agency in a French international engineering group. In 2009, he was engaged in several projects concerning energy efficiency in urban planning in Johannesburg. Since 2011, he has been leading his own engineering firm, involving sustainable and energy-efficient construction. Over the past three years, he organised conferences about building energy efficiency and energy transition which have been rewarded by national prizes from the French Ministry of Ecology, Sustainable Development and Energy.



## Mr Slawomir Szpunar

### International Marketing Director, Saint-Gobain

Slawomir Szpunar joined Saint-Gobain Corporate Marketing team in 2011. As the International Marketing Director responsible for global implementation of Saint-Gobain Multi-Comfort program he supports both creation of local reference Multi-Comfort projects and co-operation with Building Science network. This work aims to understand better all Habitat determiners of human comfort, health & wellbeing and foster innovations helping to reach their optimum state.

## PANEL SESSION 3

## Barry Bredenkamp

### Senior Manager: Energy Efficiency

### South African National Energy Development Institute, (SANEDI)

Barry is a Senior Manager at SANEDI, responsible for the energy efficiency portfolio. He has worked in the distribution, customer service, marketing and Demand Side Management (DSM) areas of the national electricity utility in South Africa (Eskom) for a period of 27 years. While at Eskom he helped develop and implement the Eskom and Global Environment Facility (GEF)-funded, Efficient Lighting Initiative (ELI) which set the scene for the current roll-out of efficient lighting in the country. Barry is acclaimed locally and internationally for contributions to the rapid market transformation to efficient lighting in South Africa and presents papers on energy efficiency at various conferences, both locally and internationally. He also represents South Africa on various multi-lateral working groups, working towards an accelerated transition towards a global low-carbon society. Barry is a former President of the Sustainable Energy Society of Southern Africa (SESSA), the Southern African



# OUR SPEAKERS

affiliate of the International Solar Energy Society, (ISES) and has served on various committees of the Illumination Engineering Society of South Africa, (IESSA) and Technical Committees of the South African Bureau of Standards (SABS). More recently, Barry has played a leading role in the development and implementation of energy efficiency related tax incentives, together with the South African departments of Energy (DoE), Trade and Industry (dti) and Finance and continues to be recognised for his contribution to energy efficiency in South Africa.



## **Mrs Danelle Veldsman**

### **Senior Consultant, Sustainable Solutions**

Senior consultant, Danelle Veldsman combines 6 years of experience in financial structuring and risk management with a passion for sustainability. She applies sophisticated econometric and financial modelling skills to find the answers to complex sustainable business challenges: Interest Rate Risk Analyst, ABSA Bank Limited (Johannesburg): 2008-2009.

Her company provides support to Nedbank Corporate Property Finance: Affordable Housing (NCPF: AH) with the implementation of a sustainable affordable housing value

proposition, including related activities such as field research and refining the applicable financial models.

## **Mr Arthur Germond**

### **Deputy Director , AFD**

Arthur Germond is the Deputy Director of the Regional office of the AFD (French Development Agency) based in Johannesburg. He is in charge of the interventions towards municipalities in South Africa and he manages the activity of the AFD in Namibia and Zambia.



## **Mr Werner van Antwerpen**

### **Head of Sustainability and Utility, Growthpoint**

Werner van Antwerpen is the head of Growthpoint's Sustainability and Utilities division and with a key focus to develop and implement sustainable strategies on a portfolio level. In addition, he also chairs the SAPOA Sustainability committee for the commercial property industry



# OUR SPONSORS



**Saint-Gobain, the worldwide leader in sustainable habitat and construction markets, designs, manufactures and distributes building and high-performance materials, providing innovative solutions to the challenges of growth, energy efficiency and environmental protection.**

Saint-Gobain is celebrating its 350<sup>th</sup> anniversary by recognising past achievements and setting its sights firmly on the future. Since its creation in 1665 by King Louis XIV and Jean-Baptiste Colbert, Saint-Gobain has been adapting to the changes in the world while keeping future needs and developments in mind. As one of the top 100 industrial groups in the world, Saint-Gobain continues to deploy its technological know-how. Saint-Gobain is among the 100 most innovative companies in the world according to the Thompson Reuters Survey.

In Southern Africa, Saint-Gobain brands include Ecophon, Gyproc, Isover, Norton, PAM and Weber. These provide system solutions incorporating plasterboard and gypsum plasters, glasswool and mineral wool for thermal and acoustic insulation, a variety of foam insulation products, ductile iron and cast iron products, wall, floor and pool finishes, and tile adhesives and grouts.



Alstom has been present in South Africa for more than a century. Throughout these years, and under various names and through different entities, the company has provided a wide range of products and technologies, playing a major part in developing the country's infrastructure. Not only did Alstom provide equipment for power plants, but it has also played a historical role in supplying technologies for passenger trains and locomotives, many of which are still in use.

Today Alstom is focused entirely on transport activities and is committed to being part of the revitalization of the rail and transport sector, notably through the PRASA project. Awarded in 2013 to the Alstom-led joint-venture Gibela, this contract is for the delivery of 600 X'Trapolis Mega passenger trains and 19 years of maintenance, technical support and parts supply. The project also includes the creation of a new site at Dunnottar (Ekurhuleni), where Gibela's South African employees will be trained and will produce the trains. Gibela will thereby contribute to regenerating the country's rail industry with an objective of 65% local content and the creation of several thousands of jobs along the supply chain.

Moreover, Alstom is ready to contribute its international expertise to the much needed development of urban public transport in South Africa. With urban traffic expected to grow in the coming decade, tramway systems could complement the bus rapid transit (BRT) systems already deployed by some South African cities, and help to solve the congestion affecting them.



**BE Green Engineering: "Think sustainable, act responsible"**

BE Green Engineering is an independent multidisciplinary engineering consultancy firm, located on the Reunion Island and specialising in the design of bioclimatic building, sustainable urban planning, energy efficiency and environmental studies. Our core business is general engineering (structural, HVAC, electrical and

# OUR SPONSORS

infrastructure) but the insular character of Reunion has led us to develop specific skills related to renewable energies, energy efficiency and environmental protection. Engaged in the overall building process, we support our clients in the execution of technically advanced projects by taking into account the latest environmental issues.

Looking at the energy crisis South Africa has been facing, one of the challenges is to reduce the building energy demand. The energy audit is an essential preliminary review of all building aspects which aims to analyse the distribution of the energy consumption per energy source and impacts of the energy cost on the overall operational budget. BE Green Engineering carried out an energy audit of the administrative building of the Alliance Française in Johannesburg. This diagnostic highlights that energy cost savings could be almost 30%. Recommendations to reduce the building energy consumption have been done while improving the user's comfort, lowering the carbon footprint and optimising the client's operating costs: first reduce the energy demand through the optimisation of the building envelop (location, orientation, windbreaks, shades, passive solar heating and cooling systems, insulation, natural light, etc.) then improve energy efficiency of equipment.

**The cheapest cleanest energy is the one you don't use.**

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**ROCKWOOL**<sup>®</sup>  
FIRESAFE INSULATION

The Rockwool group is the world's leading supplier of innovative products and systems based on stone wool. We create sustainable solutions to protect life, assets, and the environment today and tomorrow.

Our manufacture from rock, an inexhaustible natural source, allows us to offer insulation quality that is not confined to thermal comfort. In fact the solutions provided to improve protection of people against fire and noise are just as important, in our eyes, as thermal efficiency.

Rockwool insulation is one of few products that can save more than 100 times the energy used for its manufacture. It conserves scarce energy resources and reduces air pollution and CO2 emissions by minimising the combustion of fuel, and thereby helps alleviate environmental problems, such as the greenhouse effect, smog and acid rain.

Rockwool insulation is non-combustible - one of the most vital properties of ROCKWOOL stone wool is its ability to withstand temperatures of more than 1000°C without melting.

Rockwool insulation gives us pleasant indoor environments by keeping out the freezing cold. In hot climates, stone wool helps to keep indoor temperatures comfortably cool. Our acoustic solutions improve schools, hospitals, offices and sport facilities in many countries.

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

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 **legrand**<sup>®</sup>

Legrand, the global specialist in electrical and digital building infrastructures, opened its South African subsidiary in 1985 and has developed a comprehensive distribution network across southern Africa. The subsidiary represents the Legrand Group's business interests in South Africa, Botswana, Malawi, Namibia, Zambia, Zimbabwe, Lesotho and Swaziland.

Legrand has a complete offer, tailored to the commercial, industrial and residential markets, making it a reference worldwide in more than 180 countries. Control and monitoring of installations, cable management, power distribution, distribution of "voice-data-image" systems. Legrand provides numerous solutions for managing lighting, heating, energy, networks and access in buildings. Its product offering is particularly extensive, with over 200,000 products in its catalogues.

<http://www.legrand.co.za>

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Tritec South Africa is a turnkey solar PV solution provider that draws expertise from its international and local shareholders with more than 15000 solar PV installations.

We offer to design and implement unique solutions for your specific needs and specifications using proven high quality technology which ensures predictable long-term energy yield.

From our skills gained by developing and investing in solar plants we design, construct and operate projects from an owner's perspective, optimising the financial returns over the lifetime of your investment. Our knowledge and expertise is proficient through all the different life stages of a solar PV project, guaranteeing sustainability and excellent customer service. Our competitive edge comes from the strong purchasing power we have developed with our international network of suppliers and partners.

[www.tritec-energy.co.za](http://www.tritec-energy.co.za)

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## FRENCH DELEGATION

KOZ architectes is a medium sized architectural office with a strong focus on sustainable design, with an in-house engineering office: PLAN02. The office is acclaimed for it's cutting edge designs - cheerful and committed - for whom it has received many distinctions, including the Archdaily « Building of the year award. The office's work ranges from the « Tête en l'air » social housings in Paris to proposals for a 2000 living units « urban agricultural neighborhood » in Nantes, and developing new community oriented design strategies.

KOZ is presently working on 30 and 50 meters high wood towers in Strasbourg and Bordeaux, starting construction on a pilot residential project in the city of Mexico, and developing an urban camping for the « Réinventer Paris » innovative urban projects competition. The office is a leading pioneer in wood construction and BIM implementation in France.

[www.koz.fr](http://www.koz.fr)



Cerway is a certification body and the operator for HQETM Certification for sustainable buildings and urban development worldwide. It also provides training and recognition to professionals.

Cerway certifies all kinds of buildings on all stages of their life cycle (construction, renovation and operation).

Assessment criteria consider energy, savings, and environment, comfort and health aspects. Certification contributes to reduce operation costs and to postpone the obsolescence of the building.

More than 266.000 projects across the globe have already been certified and the Référent Certification HQETM network is continuously growing. The brand under which we operate therefore is HQE :

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



# FRENCH DELEGATION



AV Composites is a French manufacturer of innovative insulating composite-panels for 4 markets:

- Conservatory roofing Insulating panels to offer Freestanding reversible panels (patented), Acoustic panels (three-layer), reversible (patented), panels with a high thickness (from 16 to 162mm) with a high U value
- Aluminum panels for shutters applications, gate, door,

garage with 2 ranges of products:

- Aluminum color (gold oak, white, grey RAL7024, red RAL3004, Green RAL6021) with polystyrene extruded foam
- Powder coating technology with aluminum skin and special foam (patented) with thermal resist until 180°C, recycled foam issue of plastic bottle, to propose 1 million of colors with only one product

AV Composites also offers

- Recycled foam issue of plastic bottle and to win 110 points on LEED certification plus different high thermal and mechanical performances
- Clean room panels with PVC and aluminium profile

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

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EFFICIENCIA is a software company based in Toulouse (France) and founded in 2012 by expert of IT and energy efficiency.

Efficiencia develops software solutions to easily manage energy efficiency of a building portfolio, quickly identify best actions with best energy retrofits, lowest carbon impact and highest return on investment

The main objectives are:

- to quickly evaluate energy consumption of new and existing buildings
- to find the best energy efficiency setup for a building construction or refurbishment
- to evaluate conformity of buildings to an energy regulation
- to provide an energy label to promote construction of low energy and low carbon impact buildings

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





Business France contributes to the development and success of French and foreign businesses wishing to expand abroad by supporting them throughout the lifetime of their projects, and is driven by an efficient, result-oriented working culture

## **BUSINESS FRANCE**



foster export growth by SMEs and mid-size companies



inform and support foreign investors in France



promote France's companies, business image and nationwide attractiveness as an investment location



run the VIE international internship program

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