



THE RACE TO ZERO

PROGRAMME

11TH GREEN BUILDING CONVENTION 2018

3-5 OCT | CAPE TOWN **CENTURY CITY CONFERENCE CENTRE**



GREEN BUILDING COUNCIL
SOUTH AFRICA

Belgotex™



CENTURY CITY
CONFERENCE CENTRE
AND HOTEL

enel x

GROWTHPOINT
PROPERTIES



Standard Bank

THANKS TO OUR LEAD SPONSORS

Belgotex™



CENTURY CITY
CONFERENCE CENTRE
AND HOTEL

enel x

GROWTH-POINT
PROPERTIES



Standard Bank

CONTENTS



Message from our CEO: Dorah Modise	4
General Convention Information	6
Day One: Wednesday 3 October	10
Day Two: Thursday 4 October	12
Day Three: Friday 5 October	22
Sponsors	29
Exhibitors	30





I am delighted to welcome you to the 11th Annual Green Building Convention. At the close of last year's convention, we committed to the Race to Zero and promised that we'd gather again this year to take stock of our collective efforts and achievements in this race.

We have arrived at Zero and now we have to take stock. It was without a doubt an incredible race, but this journey doesn't end here. We hope that you will join us as we push the limits of that proverbial finish line further.

In the next two days we are going to unpack every step of this journey. We are going to learn, engage, plan and create; and our hope is that you will emerge at the close of this convention re-energised and ready to take up the baton again for Team Green.

Our plenary stage is jam-packed with a selection of carefully selected thought-leaders and game-changers. They will present a diversity of curated topics that will cover economics and planning; design and applications; leadership considerations; and solutions-driven steps to map the course of our journey.

We promised a unique and innovative convention experience and we have delivered. Our breakaway sessions are structured to meet the needs of different disciplines and sectors in the built environment space. These sessions are crafted to include an impactful combination of panel discussions, masterclasses, workshops and thought-leader presentations. Our goal was to ensure that when you leave Century City Conference Centre on Friday (5 October), you'll leave empowered with knowledge and inspired to tackle another leg of our sustainability journey.

Our state-of-the-art exhibition and networking opportunities are designed to create and cement lasting business relationships and collaborations that will accelerate our collective cause.

In the spirit of collaboration, we certainly would not have been able to stage this convention without our generous sponsors. They are each pioneers in their own right and with their own Green ambitions we are in excellent company! We are humbled and grateful for their support in aiding GBCSA to offer this dynamic platform for engagement.

A high five to the GBCSA staff, Board and fellow movers and shapers who worked tirelessly to make this day a reality. You are only as strong as the people you surround yourself with and all I can say is that GBCSA is invincible. Look around the convention, the hard work and late nights were all worth it!

Finally, the delegates and participants of the "Race to Zero", there is no race or convention without you. Cheers to you! We've arrived at Zero, lets engage.

Green Regards,

Dorah



B.

Every Drop Matters.

Water scarcity across our country has given rise to serious water saving initiatives at Belgotex.

We've implemented a revolutionary 100% waterless dyeing process to save millions of kiloliters of water each year. We follow a comprehensive water management system that employs the reduce, reuse, recycle principle - to date resulting in a 60% potable water reduction. Coupled with this, our on-site effluent treatment plant removes impurities from water that we reuse in production processes.

We aim to ask more of ourselves and less of the planet in all that we do. We call it; **Our Green Journey.**

Cape Town Design Centre: Showroom B, The Matrix, 8 Bridgeway, Century City.
Johannesburg Showroom: 1 on Jameson Ave, Cnr. Glenhove Rd & Jameson Ave, Ground Floor, Melrose Estate.

Belgotex™

www.belgotex.co.za

GENERAL CONVENTION INFORMATION

REGISTRATION PROCEDURES

Each participant at the Convention must register in person at the registration desk to collect a convention kit and badge before attending any sessions or events.

If you have received your confirmation letter, please report to the pre-registration counters. If you have not yet registered or made payment, please report to the on-site registration counters.

Badges

Identification badges are required for admission to all sessions and social events. Participants who have lost their badges must report to the registration centre, presenting proof of identity.

A fee of R150.00 (VAT incl) is payable for badge replacements.

Speakers & Session Chairs

All presenters are requested to report to the speaker registration desk to check in and receive your registration pack. Please ensure we have your presentation at least 1 day prior to your session.

You will be required to be in the room at least 30 minutes before the start of any presentation to familiarise yourself with the environment and equipment.

Note: Failure to report to the Speaker Registration Desk less than 2 hours prior to the scheduled presentation, may necessitate last minute replacements.

BRAINWAVE STAGE



GBCSA is committed to encouraging and fostering innovative out-of-the-box thinking about all aspects of the sustainability chain. In keeping with this philosophy, GBCSA has created a unique and extremely popular platform at the Convention, where entrepreneurs, young guns, inventors and innovators can present their ideas direct to a target audience of industry leaders.

The ideas explored by the speakers on this stage offer insight into the very latest in green and sustainability thinking. Talks are limited to 10 minutes, giving speakers just enough time to delve into an interesting and cutting-edge topic.

Brought to you by Standard Bank.

CELL PHONE ETIQUETTE

As a courtesy to presenters and all meeting attendees, please turn ringers OFF or to silent / vibrate during convention sessions. The use of social media is strongly encouraged! Please use our hashtag #GBCSA2018 #RaceToZero

CODE OF CONDUCT

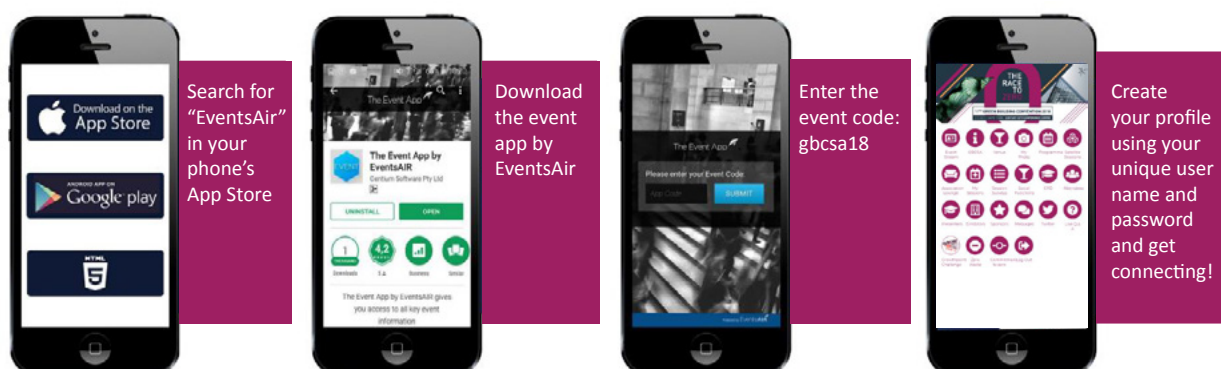
The GBCSA acknowledges the freedom of expression of speakers, participants and exhibitors. It does, however, subscribe to the widely-held principles associated with exercising such freedom of expression, i.e. that such expression may not lead to any harm or prejudice to any person or damage to any property, including disruption of the Convention or any activities associated with it. South African law will apply in the event of failure to adhere to these principles.

REGISTRATION TIMES	
Wednesday 03 October	08h00 – 18h00
Thursday 04 October	07h00 – 17h00
Friday 05 October	07h00 – 17h00

CONVENTION APP

In order to ensure you have all the information at your fingertips, we would like to invite you to download the mobile app. The app can be downloaded to your smart phone or tablet. The mobile app can be used to view the programme, network with other attendees, be the first to receive notifications during the event, and interact with the event sponsors and exhibitors.

We recommend that you download the mobile app prior to attending the convention to ensure that you receive all relevant updates. Please note that your device will need to be connected to the internet in order to download the app and/or receive information updates. Once the app has been saved to your device, all event current information can be accessed offline. Updates will only be loaded when you connect to the internet again. In order to access all the pages on the app you will need to log-in using the user name and pin code emailed to you. Please contact us if you have not yet received it.





WIFI PASSWORD:
RaceToZero2018

EMERGENCY MEDICAL ASSISTANCE AND PARAMEDIC SERVICES

For assistance with any emergencies, please call 083 390 7252. This number will be active for the duration of the Convention period only. Medical procedures and medicine will be for the delegates' own account.

GALA DINNER & AWARDS

Access to Gala dinner is limited. If you have not indicated that you will attend Gala Dinner during the on-line registration process – a ticket will not be included in your registration pack. Please ensure you bring your ticket with you to the gala or access will not be granted.



4 OCTOBER 2018 | 18H30

Dress code | RE:invent Black-tie because it's greener on our side
Tickets can be purchased at the on-site payment desk for ZAR 650 ex VAT. Space is limited.

CASH BAR AVAILABLE

LIABILITY

Neither the GBCSA nor any of their contracted service providers, will be responsible for the safety of articles of any kind brought into the Convention facilities by participants, whether registered or not, their agents, contractors, visitors and/or any other person/s whatsoever. The participant shall indemnify and not hold the organisers and associates of the organisers and their subcontractors liable in respect of all costs, claims, demands and expenses as a result of any damage, loss or injury to any person howsoever caused as a result of any act or default. In addition, the participant shall take all necessary precautions to prevent any loss or damage to his/her property with special regard to cellphones, carry-/handbags and computing equipment.

SAFETY AND SECURITY / LOST AND FOUND

The Venue will be a restricted access zone only for registered delegates displaying their ID tags. Access to all Convention Venues will be strictly controlled.

SMOKING POLICY

Century City Conference Centre is a non-smoking facility.

GROW FOR IT CHALLENGE

**GET SET FOR A FAST-PACED DASH TOWARDS
THE GRAND PRIZE OF 2 TICKETS TO THE GREEN
BUILDING CONVENTION 2019.**

HERE'S WHAT YOU NEED TO KNOW ABOUT THE CHALLENGE:

GAIN ACCESS TO THE CHALLENGE: SCAN THE QR CODE.

To participate in the challenge, you need to set up an account. To do this, scan the QR code below or visit www.growforit.co.za.

You'll then need to follow a few simple steps to get a login and set up a password. **Do it right now so you're ready to race!**

Over the course of the next three days you'll need to complete 24 tasks. Every task puts you one step closer to the grand prize (with loads of spot prizes along the way).

VENUE AND START TIMES

The venue for the challenge is the Century City Conference Centre. All the information you need to complete the Challenge is easily available at the Green Building Convention and Expo.

The Challenge has already begun, so you better get going!

RACE AND FINISH LINE PROCEDURE

To complete the race and be eligible for the prize, you need to answer all the questions on the **Grow For It Challenge** mobi-site.

Some questions require you to take photos of the expo or of people you meet at the convention. All your photos can be uploaded straight to the site.

If you are stuck with a question and cannot proceed, you can ask one of our friendly race marshalls at the registration desk for assistance. If you're struggling with technology, we're here to help.

PRIZES AND MEDALS

**YOU CAN WIN 2 TICKETS TO THE GREEN BUILDING
CONVENTION 2019 VALUED AT ALMOST R20 000.**

Every person who completes the Challenge will receive one entry into the draw for the grand prize.

There are plenty of fun spot prizes up for grabs. We'll award prizes for beautifully composed photos, people who complete the challenge quickly, and answers that we find funny or inspiring.

GROWFORIT.CO.ZA



GROWTH-POINT
PROPERTIES



DAY 1
3 OCT
WED

09h00 – 12h00

SATELLITE SESSION: GREEN CAFE

VENUE: MEETING ROOM 11



Cities Race Towards Net Zero

In April this year, the Mayors of Tshwane, Johannesburg, Cape Town and Durban pledged their commitment to introducing requirements that will ensure that all new buildings are energy efficient with an ultimate target of meeting zero carbon in all new buildings by 2030. This work forms part of the C40 Cities South Africa Buildings Programme. This session seeks to support the implementation of the programme through the sharing of strategies, solutions and best practices with a broader local government stakeholder base, the private sector, civil society organisations and government agencies. A Net Zero carbon future for cities is an obvious path towards sustainability. It has many curves and tributaries, but through open dialogue and information sharing a clear trajectory for South African Cities will be defined. The session includes presentations from each of the four cities followed by a facilitated discussion.

PAUL CARTWRIGHT, Programme Manager for New Building Efficiency, C40

Introduction to the C40 Cities SA Building Programme

SONGO DIDIZA, Chief Executive Officer, Green BDG

Welcome to the Green Cafe Net Zero

MEGAN EUSTON-BROWN, Director, Sustainable Energy Africa

Overview: Progress Made, Challenges Experienced, Potential Solutions and Next Steps

MUTSA KAJESE, Chief Executive Officer, Ubuntu Lab

Introduction of Building Design Panel

PANELISTS:

CHILUFYA LOMBE, Sustainability Consultant, Solid Green

Net Zero Energy

MANFRED BRAUNE, Managing Executive: Sector Development & Transformation & Executive Director, GBCSA

Net Zero Carbon Standards and Certification

LISA REYNOLDS, Executive Director, Green BDG

SANS Standards and Regulation

KEVIN NASSIEP, Executive Director, City Of Cape Town

Electricity Integration

DR JAISHEILA RAJPUT, Chief Executive Officer, TOMA-Now

Circular Economy

VIOLA MANUEL, Business Woman and Entrepreneur

Integrator

METHULI MBANJWA, Director of Forethought Africa

Innovation

SHAUN SLABBER, Director, Novu Energy Africa

Monitoring and Control

MARY HAW, Principal Professional Officer: Renewable Energy & Energy Efficiency, City of Cape Town

JOHN MULATYA, Project Manager, MML Turner Townsend, Kenya

VICTORIA BURROWS, Project Manager: Advancing Net Zero Project, World Green Building Council

HASTINGS CHIKOKO, Regional Director for Africa, C40 Cities, Climate Leadership Group

Reflections

SONGO DIDIZA, Chief Executive Officer, Green BDG

Closing

16h00 – 18h00 **OPENING CEREMONY: THE RACE TO ZERO**

VENUE: HALL ABC

FAIEDA JACOBS

Chairperson, Green Building Council South Africa (GBCSA)

Opening Remarks

EDWARD COLLE

Chief Executive Officer, Belgotex

Cultural Sustainability

PAUL HAWKEN

Environmentalism, Entrepreneur, Author, and Activist, USA

How Climate Change May be Reversed, and Why it Matters

Proudly sponsored by

Belgotex™

18h00 – 22h00 **WELCOME COCKTAIL**



VENUE: EXHIBITION

Cash Bar Available



DAY 2
4 OCT
THU

08h30 – 10h30 **PLENARY 1: THE BUILDING BLOCKS**

VENUE: HALL ABC

JAMES LAW JP

CEO & Founder, James Law Cybertecture, Hong Kong
Alternative Solutions to the Global Housing Problem

EDWARD GARROD

Principal, Integral Group, United Kingdom
How to Create Net Zero Buildings Within a Commercially Constrained Property Context

MARIA CHIARA PASTORE

Head of Research, Stefano Boeri Architetti, Italy
Urban Forestry

DR LUYANDA MPAHLWA

Director, DesignSpaceAfrica, South Africa
Who Owns the City? A Conversation About Socially Inclusive Spatial Planning

10h30 – 11h30 **REFRESHMENT BREAK & EXHIBITION**

11h30 – 13h00 **CONCURRENT SESSIONS: CHOOSE YOUR OWN ADVENTURE - SELECT ONE OF THE FOLLOWING OPTIONS. SPACE IS LIMITED.**

1A: URBAN PLANNING FOR SOUTH AFRICA'S NEW NORMAL

VENUE: MEETING ROOM 11

It starts with a plan, and for our cities it is no different. Better solutions to tackle the massive challenges presented by South Africa's rapid urbanisation are urgently needed. This session will help you shape a better understanding of what policy-makers and practitioners are doing to mitigate the impact of climate change that moved so quickly from scientific research papers to news headlines. With a focus on South Africa's Integrated Urban Development Framework, inner-city regeneration programmes, and the rise of precinct developments, you can expect insightful feedback from experts using local and global examples.

HASTINGS CHIKOKO

Regional Director for Africa, C40 Cities, Climate Leadership Group
How Four South African Cities Strive to Make All New Buildings Zero-Carbon

LITEBOHO MAKHELE

Programme Manager: Sustainable Cities, South African Cities Network
Accelerating the Transition Towards Sustainable Cities

GILLIAN MAREE

Senior Researcher, Gauteng City Region Observatory (GCRO)
Urban Livability Dynamics Within the Gauteng City Region

JOSIAH LODI

Chief Director: Urban Development Planning
Department of Cooperative Governance and Traditional Affairs (CoGTA)
Trends in Urban Development Planning and the Implementation of the South African Integrated Urban Development Framework

1B: BETTER TOGETHER: THE POWER OF COLLECTIVE ACTION IN THE BUILT ENVIRONMENT

VENUE: HALL A

Building sustainable urban environments requires new standards of collaboration. The results need to catalyse and accelerate social integration and community cohesion, produce cleaner buildings that enhance productivity and wellness, and bring a healthy return on investment. This session will discuss the results of teamwork across professions, sectors and disciplines and the lessons learnt by those exploring collaborative approaches across the built environment in SA, the US and elsewhere.

PROF. ROBERT PEÑA

Associate Professor of Architecture, University of Washington (UW)
UW Center for Integrated Design, Bullitt Center

Community Engagement and Deep-Green Buildings

DR BARBARA HOLTMANN

President, Women in Cities International (WICI)

What It Looks Like When It is Fixed

EDWIN MASEDA

Chief Director: Facilities Management, Department of Environmental Affairs

Building and Operating a Green Building for a Public Sector Institution: Lessons Learnt

DR MARCO MACAGNANO

Lead: Smart Real Estate, Deloitte Consulting

Integrated Systems Design and Planning

TSHEPO NTSIMANE

Head: Metros, Intermediate Cities and Water Boards, Development Bank of Southern Africa (DBSA)

The Building Blocks of Collaboration Within the Built Environment

1C: BEYOND MARKETING: THE TRUE VALUE AND COST OF WATER

VENUE: MEETING ROOM 7

What do you call the day Cape Town was expected to run out of water? While Cape Town's Day Zero marketing campaign has proven to drive water consumption down, the ability of SA's urban centres to thrive on less water is a much more difficult task. In the face of an over-dependence on freely available surface water in a semi-arid country with old and leaking infrastructure, this senior management panel will distil how investors price in water efficiencies, draw links with the built environment and look at the risks of doing business-as-usual vs making significant changes to operations.

GAVIN KODE

Deputy Director General, Western Cape Department of Transport and Public Works,
Western Cape Government

&

ASHLEY HEMRAJ

Senior Architect, City of Cape Town

**A Public Sector Building Owners Perspective - A Province Under Severe Drought Constraints
- A Case Study From The City & Province**

LAURA ANGELETTI - DU TOIT

Chief Director: Facilities and Infrastructure Management, Western Cape Government Health

**The Impact of Water on Healthcare and How the Department is Changing the Way Buildings are
Designed and Operated**

KHIYAM FREDERICKS

National Technical Manager: Corporate Property Management, OMEM Capability Cluster: Customer
& IT Services OMSA, Old Mutual SA

The Old Mutual Black Water Treatment Plant - A Case for Net Zero

BRADLEY ASTRUP

Technical Director, WRP Consulting Engineers

**The Value and Relevance of Water Monitoring and the Reduction of Water Losses in the Private
Sector: Case Studies**

DAVID COULDRIDGE

Head of ESG Engagement, Investec Asset Management

An Investor's Perspective

DAY 2
4 OCT
THU

1D: HOW A GREEN INTERIOR REVITALISES THE LIVED EXPERIENCE INSIDE ESTABLISHED BUILDINGS: TENANT DESIGN AND FIT OUT

VENUE: MEETING ROOM 8

Green interiors can bear fruit despite the condition of the host building. The greater wellness and productivity of people working in such spaces and the increased spend of shoppers is the result of good design choices which facilitate a high-quality indoor environment. This session will demonstrate the value of good interior design independent of its host building.

LIANIE MINNY AND BONTLE MOCHALIBANE

Senior Manager: Workplace Strategy and Design | Office Sector, Growthpoint

Green Box

NONKULULEKO GROOTBOOM

Corporate Image Specialist and Interior Architect

Balancing Corporate Expectation and Brand Identity with Design for Optimal User Experience and Performance

TIM PRINS

Associate: BA Interior Design & Accredited Green Building Council Professional,
TC RPy Architects

Case Study: The GBCSA Fit Out

JANET PEACE

Product Manager, Execuflores Bidvest

Do Green Plants in Buildings Increase Productivity: A Case Study

PETER KOWALSKI

Managing Director, Formfunc Studio

The Living Building Challenge: Plans for a Net Positive Facility in Cape Town

1E: TAKING GREEN HOME: TANGIBLE CHOICES FOR THE FUTURE OF SOUTH AFRICAN HOMES

VENUE: MEETING ROOM 9

Our home is our castle – where we live, eat and sleep. It's also where we consume water and electricity, and create waste, and in the age of sustainability – houses that are green provide an opportunity for education and a massive positive environmental and social impact. Are green homes a reality across all sectors of South African society?

Join the experts as they unpack the future of investing, building, buying and living in a sustainable personal space, with insightful case studies and inspiring innovations that showcase the wellbeing, health and financial benefits of greening your home.

GRAHAME CRUICKSHANKS

Managing Executive: Market Engagement, Green Building Council of South Africa

Smart Homes

TAHANE MAHLAOLE

Dealmaker, International Housing Solutions (IHS)

Candlewood Crescent and Jackalberry: A Case Study

DR HILDEGARDE FAST

Lead: Energy Security Game Changer, Department of Economic Development and
Tourism, Western Cape Government

Incentivising Green Home Interventions Among Consumers

RICHARD STRETTON

Principal, Koop Design

A Case for Sustainable Off-Grid Homes and Sustainably Sourced Materials

1F: TRENDSPOTTING WITH GLOBAL SUSTAINABILITY LEADERS: A PANEL

VENUE: MEETING ROOM 2

From climate and carbon to human health and high technology, global leaders from green building councils around the world will examine the top trends driving the transformation of buildings and businesses, and energising communities and cities.

VICTORIA BURROWS

Project Manager: Advancing Net Zero Project, World Green Building Council

Net Zero and World GBC Trends

RESPONSE PANEL:

MAY YUSUF

Chair, Sudan Sustainable Building Council (SSBC)

CHISAMBWE DOUGLAS KATENGO

Chair, Zambia Green Building Council (ZGBC)

MUDDY RAMRAKHA

Member of the Board for Africa Yoga Project & Kenya Green Building Society

DENNIS PAPA ODENYI QUANSAH

Green Building Lead, Climate Business Department, IFC Ghana

1G: BRAINWAVE STAGE

VENUE: MEETING ROOM 10



Standard Bank

RICKY SCHNETLER

Environmental Officer and Green Building Acting Professional, AVENG Grinaker-LTA

The Development and Evaluation of a Waste Water purification system for the refinement of cement-contaminated effluent at a construction site: A comprehensive Green Building case study

HENNING BRAND

Business Development Director, Solarus

Solarus Power Collector Technology & Case Studies including Actual Calculations of Efficiency

RAJESH LALLOO

Chief Technical Officer, OptimusBio Pty Ltd

Biotechnology - Perhaps the Missing Link in the Green Building Agenda

LISA LOWENTHAL

Founder and Director, SkeemSaam

Enabling Informal Recyclers (Reclaimers/Street Surfers/Urban Waste Miners) Through Social Entrepreneurship

LAETITIA COOK

Lecturer, University of Pretoria

Impact of Technology on the Property Sector

When you build a solar farm

ice cream happens



We fund renewable energy infrastructure because we know that everything you do sets something in motion.

#MoreThanABank | standardbank.com

From extra power on the grid to an extra scoop, here's to moving forward.

Standard Bank Moving Forward™

Also trading as Stanbic Bank

Authorised financial services and registered credit provider (NCRCP15).
The Standard Bank of South Africa Limited (Reg. No. 1962/000738/06).
Moving Forward is a trademark of The Standard Bank of South Africa Limited. SBSA 916584.

DAY 2
4 OCT
THU

13h00 – 14h00 LUNCH BREAK & EXHIBITION

14h00 – 15h30 CONCURRENT SESSIONS: CHOOSE YOUR OWN ADVENTURE - SELECT ONE OF THE FOLLOWING OPTIONS. SPACE IS LIMITED.

2A: BUILDING INCLUSIVE AND RESILIENT CITIES IS HARD, BUT WE CAN DO IT
VENUE: MEETING ROOM 11

We cannot develop Net Zero buildings fast enough if Goal 11 of the Sustainable Development Goals is to be achieved, making cities inclusive, safe, resilient and sustainable. How can sustainable development practices contribute to these results and safeguard the future of SA cities, and its increasingly urban population? Sector leaders will discuss the role of different stakeholders within the built environment and highlight how they can reverse the effects of apartheid spatial planning to create inclusive, safe, resilient and sustainable cities.

HELEN BOTES

Chief Executive Officer, Joburg Property Company

Transforming a City's Property Portfolio

AMIRA OSMAN

Professor of Architecture, Tshwane University of Technology (TUT)

Creating Inclusive Urban Environments

KHALIED JACOBS

Director: Jakupa Architects and Urban Designs

The Planning Paradox: Leaving Space for Others

LUYANDA MPAHLWA

Director: Design Space Africa

The African City-Reimagined

PALESA SIBEKO

Co-Founder, The Good Work Society

Improving Urban Resilience Through Innovation and Technology and the Human Experience



2B: THE BOTTOM LINE: PROVING THE FINANCIAL VALUE OF GREEN BUILDINGS

VENUE: MEETING ROOM 9

There was a time when the true returns of investing in green building was a grey area, with speculation prevailing against a backdrop of unknowns. The financial viability of sustainable developments, together with the Return-on-Investment of transforming properties has always been, and continues to be, foremost on the minds of property developers, owners and managers. Now the real-life and real-time data exists, and it is possible to demonstrate the performance of green building assets – which are increasingly surpassing conventional assets financially. Join this interactive panel as they showcase a number of products and market trends in this vital area of expertise.

PHIL BARTTRAM

Executive Director, MSCI

The MSCI South Africa Annual Green Property Index

DIRKJE BOUMA

Group Treasurer, Growthpoint

Growthpoint's Green Bond Listing on the JSE in 2018

DANIE HOFFMAN

Senior Lecturer, Faculty of Engineering, Built Environment and Information Technology
University of Pretoria (UP)

The Cost of Green: Latest Results from the Joint Study Undertaken by the GBCSA, ASAQS and University of Pretoria of the Cost Premium of Building Green Star Buildings

LYNETTE NTULI

Chief Executive Officer, Innate Investment Solutions

An Investors Perspective: Green Investment Strategy Considerations

2C: THE BENEFITS OF TURNING BROWN BUILDINGS GREEN: CASE STUDIES FROM THE IMPLEMENTERS

VENUE: MEETING ROOM 8

The distinction of being among the first to sustainably retrofit buildings comes with reams of valuable lessons learned, and the expertise to discuss the financial benefit and whether Net Zero can be achieved. This session will unpack the biggest challenges, quickest wins, the cost per square metre and more importantly – the benefits achieved. It will also include the different motivations and achievements of the Existing Building Performance Certification. A Q&A will conclude the session.

DR ANNE KERR

Global Head of Cities, Mott MacDonald, Hong Kong

Setting the Stage from a Global Perspective

ILSE SWANEPOEL

Head of Utilities, Redefine Properties

Roadmap to Zero for a Portfolio: A Case Study

MFUNDO XULU

Director, Department of Public Works

Aspirations to Turn Brown Buildings Green : The Public Sector

STEPHEN WETMORE

Lead: Sustainable Business & Innovations, World Wide Fund for Nature South Africa (WWF-SA)

The World is our Office – Working with Nature

DAY 2
4 OCT
THU

2D: POSITIONING THE BUSINESS CASE FOR NET ZERO NEW BUILDING PROJECTS

VENUE: HALL A

New buildings and major refurbishments have the opportunity to be Net Zero from the get-go. This session will demystify the business case of Net Zero and close to Net Zero projects, unpacking the return on investment, technology options, income generation and overall market value, as well as the motivations for Net Zero certification. A Q&A will conclude the session.

PROF. ROBERT PEÑA

Associate Professor of Architecture, University of Washington (UW)
UW Center for Integrated Design, Bullitt Center

The Bullitt Center and the Economic Case for Deep-Green Buildings

EDWARD GARROD

Principal, Integral Group, United Kingdom

International Perspectives on Business Case for Net Zero

ENRICO DAFFONCHIO

Director, Daffonchio Architects

&

CHILUFYA LOMBE

Sustainability Consultant, Solid Green

78 Corlett Drive: Net Zero Carbon Certified – A Net Zero Carbon Certified Case Study and Business Case

NARDO SNYMAN

Sustainability Specialist, Growthpoint

Net Zero Water & Net Zero Carbon – A Case Study

MARC SHERRATT

Managing Director, Marc Sherratt Sustainability Architects

Linden Vleihuis Residential Project - Net Zero in Progress. What is the Business Case for Mid-High End Residential Buildings to go Net Zero?



Standard Bank

2E: BRAINWAVE STAGE
VENUE: MEETING ROOM 10

VAHIN PARMANANDA & MTHOKOZIZI SIBISI
Master of Architecture Students, UKZN
A Winning Concept: Solar/ Creek/ Community

TESSA BRUNETTE
Senior Façade Designer, ARUP
Eco-Positivity – It's in the Walls

DR MEHRAN ZARREBINI
CEO, Mathe Gp/Van Dyck Floors
Creating Worth from Recycling Tyres in South Africa

GERALD MANDEVHANA
Architect, Jack Mutua Architects
Analysis of Vertical Photovoltaic Systems on High-Rise Commercial Buildings in Windhoek, Harare & Johannesburg

JANET PEACE
Product Manager, Bidvest Execuflora
Bringing Home to the Office

LOUIS-GILLIS JANSE VAN RENSBURG
Director, Fresh Life Produce
Sustainable Food Producing Rooftop Gardens

15h30 – 16h30 **REFRESHMENT BREAK & EXHIBITION**

18h30 – 00h00 **GALA DINNER**



IT'S GREENER ON OUR SIDE, SO...



4 OCTOBER 2018 | 18H30 Century City Conference Centre, Hall ABC
Dress code | RE:invent Black-tie
CASH BAR AVAILABLE

Growthpoint creates the ultimate space to thrive...

Whether it's industrial space,
an office with a view or aspirational
lifestyle & retail spaces.

(011) 944 6249
www.growthpoint.co.za



space to thrive

GROWTH-POINT
PROPERTIES



DAY 3
5 OCT
FRI



07h00 – 08h30

GBCSA/WPN WOMEN'S BREAKFAST

VENUE: CRYSTAL 1 + 2 – CRYSTAL TOWERS HOTEL



SUZANNE ACKERMAN

Director of Transformation for Pick n Pay Group, Board Director and Chairman of Ackerman Pick n Pay Foundation and SBI (Small Business Incubator)

Authentic Leadership

**** Separate registration applies ** Please purchase your ticket at the registration desk**

07h00 – 08h30

MORNING NETWORKING & EXHIBITION

09h00 – 11h00

PLENARY 2: A NEW URBAN FORM

VENUE: HALL ABC



DR MAKHOSI KHOZA

Executive Director: Local Government Programme, Organisation Undoing Tax Abuse (OUTA)

The Future South African City: The Role of Local Government

DR ANNE KERR

Global Head of Cities, Mott MacDonald, Hong Kong

Smart & Sustainable Cities: In the Dawn of an Information Age and the Rise of a "Cyber" Age: How Do We Maintain Citizen-Centricity While Enhancing Resource Efficiencies Within a Developing Economy

JACOB MAROGA

Head: Property Management Trading Entity, Department of Public Works

National Green Building Policy

GIZ support to DEA Climate Change Flagship Programmes: A Panel

REITUMETSE MOLOTSOANE

Director: Climate Change Monitoring and Evaluation – Mitigation & Emissions, Department of Environment Affairs

GREGOR SCHMORL

Project Director: Energy Efficiency in Public Buildings and Infrastructure Programme (NAMA Support Project)

GRAHAME CRUICKSHANKS

Managing Executive: Market Engagement, Green Building Council of South Africa

XOLILE MABUSELA

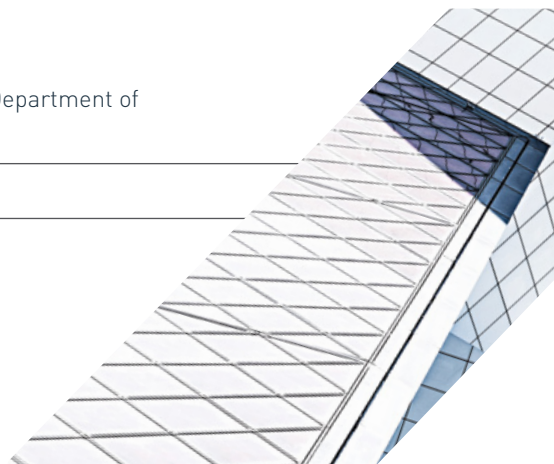
Director: Energy Efficiency, Department of Energy

ANDREW MOTHIA

Control Environmental Officer: Municipal Waste Support, Department of Environmental Affairs

11h00 – 12h00

REFRESHMENT BREAK & EXHIBITION





12h00 – 13h30 **CONCURRENT SESSIONS: CHOOSE YOUR OWN ADVENTURE - SELECT ONE OF THE FOLLOWING OPTIONS. SPACE IS LIMITED.**

3A: THE RACE TOWARDS ZERO WASTE

VENUE: MEETING ROOM 9

South Africans have been warned to brace themselves for the looming waste crisis, as many landfills across the country reach their capacity. This impacts directly on the built environment, which currently accounts for up to 40% of waste in landfill sites worldwide. Those in the field have unique opportunities to implement solutions during construction and operation that will significantly alter waste generation and management through the life cycle of a building. This session will put the necessary questions to the experts: What should industry professionals consider when specifying? What new innovations are on the horizon? Is there reward in the correct management of waste and, most importantly, why aren't more property owners, tenants and homeowners doing it?

MASOPHA MOSHOESHOE

Executive Director, New GX Enviro Solutions

Red Tape vs the Drive for Sustainability: A Multiple Waste Recovery Facility for the City of Tshwane – A Case Study

KIRSTEN BARNES

Waste Economy Analyst, Green Cape

Secondary Construction Materials - Why We Should Design "Waste" Into Our Sector

SALLY-ANNE KASNER

Executive Associate, JG Afrika

Net Zero Waste

HEIN FOURIE

Manager, GCX Zero Waste

Wild Coast Sun: A Practical Example for Zero Waste

3B: FROM THE INSIDE OUT: WHY GREEN TENANT OPERATIONS MATTER

VENUE: MEETING ROOM 8

A number of organisations are experiencing the value of a green interior. How is it achieved and how does one incorporate Net Zero thinking into the internal operations of a space? This session includes local and international case studies, followed by robust Q&A where the audience can interrogate experts on how to further incorporate green operations. If you've wondered what the true return-on-investment of a green interior can be, or how to integrate the value offering into your property, make sure you attend this session.

WESLEY NOBLE

Head of Changing Business for Good, Virgin Active South Africa

Virgin Active's Pathway to Net Zero Water, Carbon & Waste by 2030 - Progress, Challenges, Opportunities, Lessons Learnt

BENJAMIN BIGGS

Engineer, JG Africa

Case study: Toward Net Zero using Water Sensitive Design

QUENTIN ZEVIO

Energy Manager, Woolworths Real Estate Development

Targeting Green Star Existing Building Performance Rating. The Important Role Tenants Play, Landlord/Tenant Challenges & Opportunities: The Woolworths Experience

ELENE' OLWAGEN & SMITA WAGHMARAE

Interior Design Team Leader | Interior Architect, Boogertman+Partners

Case Studies: The Value of a Green Interior: Google JHB Office and Boogertman+Partners JHB Office

DAY 3
5 OCT
FRI

3C: A BIRD'S EYE VIEW ON USING THE SCALE OF A PRECINCT TO CONTRIBUTE TO NET ZERO

VENUE: MEETING ROOM 7

Tackling site-wide issues related to the overall urban plan rather than those of specific buildings enables a broader approach and makes a significant contribution towards achieving Net Zero. As precincts operate at a neighborhood scale, developers are able to consider good design, community and environmental outcomes from the get-go, and knit these together with urban design and building development plans. This session offers delegates access to the expertise of those who are leading the way with Sustainable Precincts and also takes a brief look at the GBCSA's Green Star Sustainable Precincts Tool. A Q&A will conclude the session.

MARLOES REININK

Sustainable Building Consultant, Solid Green

Oxford Parks: Inner City Urban Redevelopment - Challenges And Opportunities Associated With Brownfield Neighbourhood Scale Sustainable Development

ERIC NOIR

Managing Director, Design for Abundance

Precinct Planning

PETER KINYANJUI NYAGAH & CHILUFYA LOMBE

Managing Director & CEO, Wayne Bells Development Holdings

| Sustainability Consultant, Solid Green

Kenya Nairobi Project - Masterplan Vision For A New Neighbourhood

ALASTAIR RENDALL

Managing Director | Architect | Urban Designer, ARG Design

Urban Design and the Integration of Developments into Surrounding Neighbourhoods

3D: REGENERATION: A MASTER CLASS

VENUE: HALL A

The language of climate change is often negative, with militaristic phases such as combating climate change alienating people. So there is a need for a more inclusive language, emphasising interconnectedness and solutions implemented within a system. Regeneration says that the way you reverse global warming is by addressing current human needs: housing, food security, education, health, resource availability, not future existential threats. It is not game over – it is game on. To provide better outcomes for everyone in terms of dignified and living wage jobs, economic opportunity, income equality, innovation, and overall societal well-being. Rather than just mitigating climate change – let's reverse it.

PAUL HAWKEN

Environmentalism, Entrepreneur, Author, and Activist

Belgotex™



3E: GREEN ISN'T JUST A COLOUR: IT'S A PROMISE - A DISCUSSION WITH THE DECISION MAKERS

VENUE: MEETING ROOM 11



The definition of sustainability in business evolved quickly — this topic now covers a wide range of issues that address how a company navigates environmental and social challenges. From carbon footprint to taking a stand on human rights or inequality, companies need a position and strategy on all of this and more. The concept “green building,” is often associated with environmental protection. A deeper look at the concept reveals a much bigger picture. In addition to fewer materials, less pollution and more eco-friendly habits; the concept also encapsulates efficiency savings, more new jobs into the economy, lower operating costs and a more productive and engaged workforce. A CONVERSATION WITH THE DECISION MAKERS” From climate and carbon to human health, productivity and the 4th industrial revolution, panellists will examine the top trends driving the transformation of the built environment towards ultimate sustainability.

HELEN BOTES

Chief Executive Officer, Johannesburg Property Council

AMELIA BEATTIE

Chief Executive Officer, Liberty 2 Degrees

MALCOLM HORNE

Chief Executive Officer, Broll Property Group

PORTIA TAU-SEKATI

Chief Executive Officer, Property Sector Charter Council

3F: HOW TO DELIVER HIGH PERFORMANCE BUILDINGS - FROM DESIGN TO HANDOVER

VENUE: MEETING ROOM 2

How to deliver high performance buildings – from design to handover, into operations. This session will explore the reality that at handover, a high performance building requires extensive commissioning, tuning and hand holding with the building occupants to ensure that it actually performs the way it was designed, to its maximum potential, to allow what's called a 'soft landing'. The session will include presentations and a Q&A session with experts in the field, from the UK and South Africa.

RICHARD ROOLEY

FREng, ASHRAE

**Bridging the Gap Between Tenant Expectations and
Designing and Handing Over High Performance Buildings:
Case Studies and Lessons Learnt**



ANDRE HARMS

Sustainability Engineer And Director, Ecolution Consulting

Best Practice Commissioning Overview: Lessons Learnt and Benefits

YOGESH GOOLJAR

Partner & Director, PJCarew

**High Performance Design. What are Lessons Learnt and Benefits Experienced from a
Few Designs that Worked Well and Those That Didn't Work Well, Once Handed Over to
Tenant/Owner**

SIMON PENSO

Director/Founder, Imbue Sustainability

Client Perspective on the Benefits of Proper Commissioning Handover and Building Tuning

■

If you're thinking about the
highest levels of building efficiency,
think Enel X.

■

Tailored energy solutions

50 years global experience

enel x



0860 992 233
www.enelenergy.co.za

DAY 3
5 OCT
FRI

3G: BRAINWAVE STAGE
VENUE: MEETING ROOM 10



SIBUSISIWE NDAMASHE

Technical Assessor, Agreement South Africa

A National Eco-Label System for Building Materials and Products

NHLANHLA NDLOVU

Director, Hustlenomics

Smart Grid Solutions

MICHAEL LOUW

Lecturer, University of Cape Town

Net Zero Home Designed by Students as Part of the International Solar Decathlon Competition

MOHAMED BEDRI

Managing Director, AsaDuru

The Transformative Impact of Green Building: A Story from an African Centre of Excellence

CRAIG FLANAGAN

Student, University of Cape Town

The Development of an On-site Nutrient Recovery Urinal for Buildings

**MARK MCCORMICK, DANIEL NAVARRO
& NICHOLAS TENNICK**

Students, University of Cape Town

Upgrading Existing Medium-Density Residential Buildings with Strategic GBFIs holds the Key to increasing Affordable Housing in Cape Town

13h30 – 14h30 REFRESHMENT BREAK & EXHIBITION



14h30 – 16h30 **CLOSING PLENARY: BEYOND ZERO**

VENUE: HALL ABC

NKOSINATHI MANZANA

Incoming Chair, Green Building Council South Africa

Launch of Smart Home Campaign

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

DR MORNE DU PLESSIS

Chief Executive Officer, World Wide Fund for Nature South Africa (WWF-SA)

Listening to Nature

PROF. ROBERT PEÑA

Associate Professor of Architecture, University of Washington (UW)

UW Center for Integrated Design, Bullitt Center

Creating the Context for Socially Equitable Environmentally Resilient Communities

PAUL HAWKEN

Environmentalist, Entrepreneur, Author, and Activist

Drawdown – What's Next?

Proudly sponsored by

Belgotex™

DORAH MODISE

CEO, Green Building Council South Africa

Closing Remarks & Announcement of 2019 Convention

LEAD SPONSORS:

Belgotex™

Proud Sponsor of Paul Hawken

enel x



CENTURY CITY
CONFERENCE CENTRE
AND HOTEL

GROWTHPOINT
PROPERTIES



Standard Bank

GOLD SPONSORS:



environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

giz

Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH



National Climate Change
Flagship
Programmes

SILVER SPONSORS:



remotemeteringsolutions

Virgin

M M
MOTT
MACDONALD



public works
Department:
Public Works
REPUBLIC OF SOUTH AFRICA

BRONZE SPONSORS:



RICS®



Xanita

SUPPORTERS:



J.P.Morgan



EXHIBITORS:

Belgotex™



Bidvest
ExecuFlora



cemteQ
Innovation with Purpose



enel x



environmental affairs
Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

FEM

+IMPACT
MAGAZINE



kyasol
Green Building Solutions



OLD MUTUAL

NATIONAL HOME BUILDERS
NHBRC
REGISTRATION COUNCIL



remotemeteringsolutions

PENTAFLOOR® + shaw contract®
commercial & residential flooring

ProNature

Fully Sustainable 100% Natural

SAINT-GOBAIN



STBB | SMITH TABATA
BUCHANAN BOYES

the Blinds Syndicate

ZERO MASS water