

SOLAR POWER AFRICA

7-9 February 2024

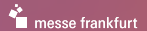
Cape Town International Convention Centre
South Africa

THE LEADING SOLAR & ENERGY
STORAGE EVENT IN AFRICA

SHOW GUIDE

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SHOW GUIDE CONTENTS

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WELCOME FROM THE ORGANIZER

On behalf of Messe Frankfurt South Africa, welcome to the third annual Solar Power Africa Conference and Exhibition, which will be held at the Cape Town International Convention Centre from February 7th to 9th, 2024. The event is presented by Messe Frankfurt South Africa, one of the largest trade fair and congress organizer in the world, and RE + Events, a global event management organization focused on the clean energy industry.

We are thrilled to announce that this year's event will focus on the theme "Empowering Africa's Energy Future: Solar and Storage Solutions for Sustainable Development." We believe this theme reflects the urgent need for innovative solutions to address Africa's energy challenges sustainably.

We are grateful to our endorsing partners, the Department of Mineral Resources and Energy (DMRE), the African Solar Industry Association (AFSIA), the South African Energy Storage Association (SAESA), Circular Energy, GreenCape, and our esteemed host city, the City of Cape Town, for their continued support.

The conference will feature 14 breakaway sessions and 5 plenary sessions, providing a platform for local and international industry experts to discuss pressing energy market and policy issues, as well as to explore key trends and developments in the solar and storage sectors. Our goal is to facilitate the exchange of ideas, knowledge, and expertise to propel solar energy development across Africa.

I would like to express my gratitude to our partners, sponsors, speakers, conference attendees, and exhibiting companies for their invaluable contributions to Solar Power Africa 2024. We hope that the program will provide you with valuable insights, and that the exhibition will showcase the sector's growth and innovations that can benefit your businesses.

Best Wishes,

Tracy Gounden Portfolio Director
Messe Frankfurt South Africa



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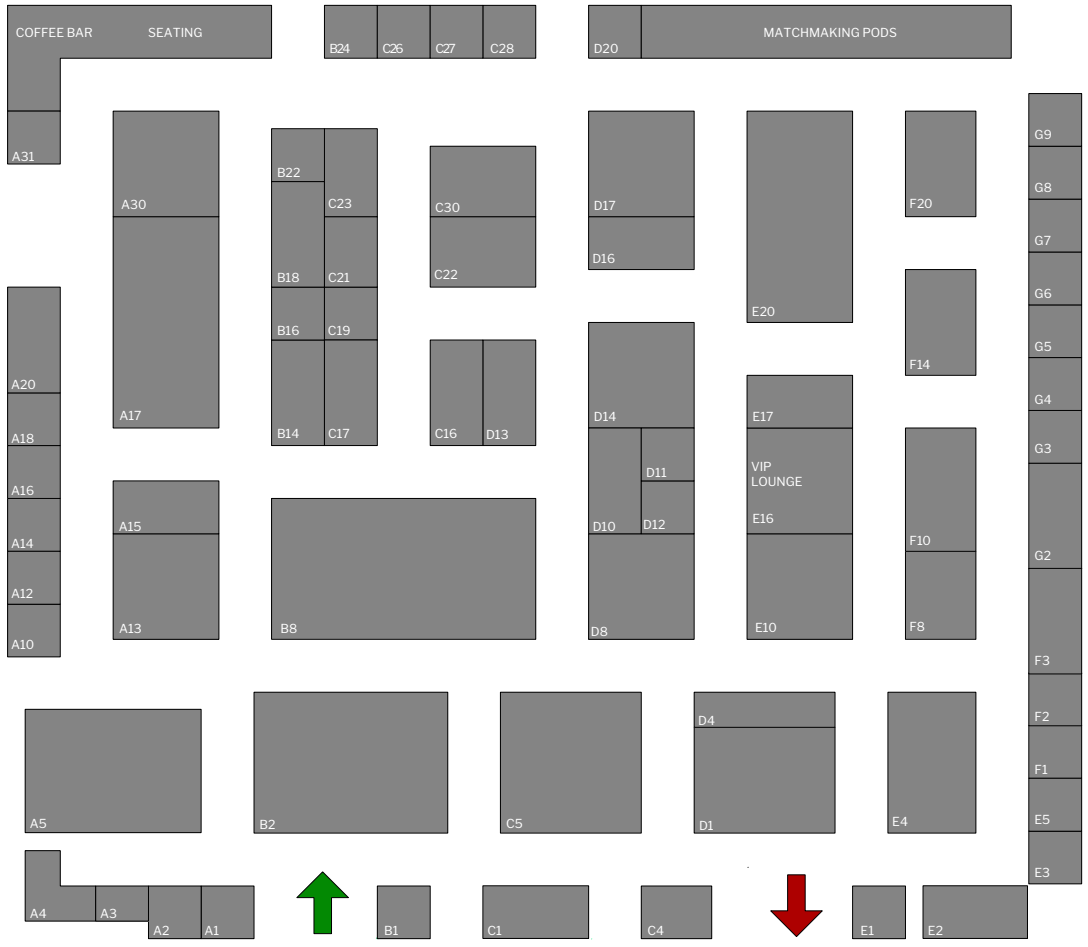
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[CLICK TO VISIT THE EXHIBITORS ONLINE](#)

FLOORPLAN



EXHIBITOR LIST

| COMPANY NAME | BOOTH NUMBER | HEXING ELECTRICAL SA/ LIVOLTEK | F20 |
|--|--------------|--|-----|
| 3ENERGY RENEWABLES | B16 | HUAWEI | B8 |
| 7SECONDSOLAR | D11 | IDEEMATEC | D1 |
| ABERDARE CABLES | B22 | IKIGAI ENGINEERING | G1 |
| ABSA | C1 | INNOVO MOBILE HEALTHCARE | C19 |
| ACDC DYNAMICS | C5 | JALTECH AFRICA CAPITAL | C27 |
| AGIC ENERGY SOUTHERN AFRICA LIMITED | A2 | JIANGSU GXY NEW ENERGY CO.,LTD | C4 |
| AMPS MIDDLE EAST FZ LLC | C22 | JSDSOLAR | F14 |
| APD SENERGY | C17 | KRANNICH SOLAR ENERGY | B2 |
| ARTSOLAR | A14 | LITHIUM BATTERIES SOUTH AFRICA | A18 |
| ASSOCIATION FOR RENEWABLE ENERGY PRACTITIONERS | C28 | LUMASOL (PTY) LTD | D12 |
| BICODI NEW ENERGY | D4 | LUMAX ENERGY | C21 |
| BLUE NOVA ENERGY | A16 | M SOLAR POWER SERVICES | A13 |
| CANADIAN SOLAR | Watsonia | MNICY GROUP PTY LTD | F2 |
| CHANGEXING /KNYEE ENERGY | A30 | NUUKO | D14 |
| CHAOCHUANG INVERTER | A31 | POWERLAND TECHNOLOGY | B18 |
| CITY OF CAPE TOWN | D16 | PROBENERGY (PTY) LTD | D8 |
| COALITION ENERGY PROJECTS | E1 | SAESA | G3 |
| DIVAINH GROWTH SOLUTIONS | E3 | SAVANNA ENVIRONMENTAL | G2A |
| DMRE | E2 | SCHLETTER SOLAR SOUTH AFRICA | A15 |
| DONGGUAN HINEN NEW ENERGY TECHNOLOGY CO.,LTD | A17 | SHEN YOUESS | B14 |
| DYNESS | D17 | SHENZHEN CHAMPION POWER | A1 |
| ENER-G-AFRICA HOLDINGS LTD | F8 | SHENZHEN H&T ENERLIFE TECHNOLOGY COMPANY LIMITED | B24 |
| EWASTE AFRICA | EWaste | SHENZHEN LIGOO NEW ENERGY TECHNOLOGIES (ALP SOLAR) | C16 |
| FTC SOLAR SOUTH AFRICA | A5 | SINGFO SOLAR ENERGY LTD | G4 |
| GAMECHANGE SOLAR SOUTH AFRICA | E4 | SOLAREV SOLUTIONS | G2B |
| GEOENERGY: GEOSUN & GEOWIND | A10 | SOLAX POWER NETWORK TECHNOLOGY | |
| GOOSUN ENERGY CONSTRUCTION GROUP CO.,LTD | C30 | (ZHEJIANG) CO. , LTD. | E10 |
| GUANGDONG MEGAWATT NEW ENERGY CO., LTD. | B1 | SOLIS INVERTERS | E20 |
| HARMATTAN RENEWABLES | E5 | SUNLINK PV | F10 |
| HEBEI YSLH EXHIBITION SERVICES CO LTD | A32 | TIANHONG BATTERY | A12 |
| | | VICTRON/ ENERGENIC AE | C23 |
| | | ZELLSOLAR | C26 |
| | | ZHANG CHUNYAO | E17 |

CONFERENCE PROGRAMME

Theme: Empowering Africa's Energy Future: Solar and Storage Solutions for Sustainable Development

SIDE FUNCTIONS: (Closed events by invitation only)

AFSIA TRAINING, 06 February 2024, **TIME:** 08:00 - 16:00, **Venue:** Watsonia (Level 3)

DMRE BREAKFAST, 07 February 2024, **TIME:** 07:00 - 09:00, **Venue:** Hall 8

HUAWEI, 07 February 2024, **TIME:** 08:00 - 16:00, **Venue:** Freesia (Level 2)

GERMAN ENERGY LUNCH, 07 February 2024, **TIME:** 12:30 - 14:30, **Venue:** Orchid (Level 2)

CANADIAN SOLAR, 08 February 2024, **TIME:** 17h00 - 19:30, **Venue:** Watsonia (Level 3)

Keynote Address 1

Time: 09h20 - 10h00

Venue: Hall 8

Keynote Address
Bertha Dlamini

Plenary Session 1

Time: 10h00 - 11h00

Venue: Hall 8

Theme: **A Match Made to Last**

Theme Description: Large-scale solar projects are often only possible through public-private partnerships (PPPs). This model has proven successful across the continent, with government and private sector stakeholders collaborating to deliver much-needed energy to the grid. In this session we will take a closer look at the successes, reviewing which models worked best and what policy frameworks enabled investment to turn from opportunity to reality.

Moderator: Wendy Green

Speakers: Andre Neppen, Jon Frick, Derick Botha, Wido Schnabel

11h00 - 11h30 Tea Break

Plenary Session 2

Time: 11h30 - 12h30

Venue: Hall 8

Theme: **Green Means Go**

Theme Description: As it seems it is all system's go for developing South Africa's Green Hydrogen economy, this session will explore the reality of transforming South Africa into a major producer and exporter of green hydrogen. What is the right environment both from a policy and investment perspective, to help us capitalise on the opportunity to create 370,000 jobs and add 3.6% to GDP by 2050? How can we ensure that this new green hydrogen economy adds additional renewable energy generation capacity and supports the local development of renewable energy?

Moderator: James Mackay

Speakers: Annelize van der Merwe, Craig Parker, Dr. Markus Thill, Dr. Stanford Chidziva, Gaylor Montmasson-Clair

| 12h30 - 14h00 Lunch & Exhibition | | | |
|----------------------------------|---|---|---|
| | Breakaway Session 1: Solar and Storage: The Future Hub | Breakaway Session 2: Sustainable Development | Breakaway Session 3: Investment and Collaboration |
| Time: | 14h00 - 15h00 | | |
| Venue: | Hall 8.1 | Hall 8.2 | Hall 8.3 |
| Theme: | Access all Areas | Right Skills for Right Now | Financing a Revolution |
| Theme Description: | Solar plus storage is critical to addressing the energy access gap in Africa. We need to leverage innovative technologies and implement advanced storage solutions if we are to light up and power Africa. From battery innovations to grid integration strategies, the panel will delve into optimizing storage capabilities, ensuring reliable power supply, and mitigating intermittency issues, emphasizing the transformative potential of efficient storage systems in bolstering energy security across the continent. | The South African energy sector is constantly evolving as we adapt to the ever-changing needs of individuals and the economy as a whole. But are the skills of workers across the value chain keeping pace with these transformations? How do we ensure we are upskilling for the jobs of today and tomorrow? Can we confidently say that current skills programmes are fit for purpose and appropriate for the needs of industry? | There is no one-size-fits-all approach to financing Africa's renewable energy projects. The diversity of the continent is reflected in the intricacies of the diverse funding models required to overcome obstacles such as limited infrastructure and localised regulatory complexities. From public-private partnerships to internationally funded schemes, the panel will explore the ever-evolving financial requirements needed to propel Africa's renewable sector forward. |
| Moderator: | Melissa Hill | Mpho Mookapele | Karén Breytenbach |
| Speakers: | Daniel Goldstuck, Frank Spencer, Mary Haw | Amina Ali, Andre Moolman, Jolene Shaw, Khensane Nkomo, Dave Lello, Tshifhiwa Nekhavhambé | Vuyo Ntoi, Rashveer Manilal, Shane Marcelo Prins |
| 15h00 - 15h30 REFRESHMENT BREAK | | | |
| | Breakaway Session 4: Solar and Storage: The Future Hub | Breakaway Session 5: Sustainable Development | Breakaway Session 6: Investment and Collaboration |
| Time: | 15h30 - 16h30 | | |
| Venue: | Hall 8.1 | Hall 8.2 | Hall 8.3 |
| Theme: | Sustainable Mining through Storage | Off Grid and On Track | Free Wheeling in Cape Town |
| Theme Description: | Powering mining in Africa is an energy-intensive business. But as mines transition away from traditional fuel sources and embrace renewable energy, it is vital that the right energy storage solutions are in place. What advanced energy storage systems can support mines as they look to alleviate load-shedding, drive decarbonisation and create a greener, more responsible industry. | Off-grid solar solutions are transforming lives in rural communities across Africa. These underserved communities are now able to access the transformative benefits of electrification. This session will review case studies and best practice, looking at how to overcome infrastructure challenges, scale up off-grid solar adoption, and leverage community engagement for inclusive development and improved living standards to maximise the benefits for all. | Is wheeling the answer to our energy woes? Cape Town's wheeling project is expected to contribute up to 350MW to the grid, deliver reliable power and driving socio-economic growth in the region. |

| | | | |
|-------------------|--|--|---|
| Moderator: | Jo Dean | Gracia Munganga-Yekoladio | Devilliers Botha |
| Speakers: | Mikhail Nikomarov, Tshepo Tshivhasa, Richard Doyle | Christopher Ahlfeldt, David De Villiers, Reshmi Joseph Wolvers, Thandeka Tshabalala | Johan Strydom, Hoosain Essop, Mutenda Tshipala, |

16h30 Closing of Conference Day

18h30 - 22:00 GALA DINNER, Gold Restaurant, (by invitation only)

CONFERENCE PROGRAMME

Theme: Empowering Africa's Energy Future: Solar and Storage Solutions for Sustainable Development

| Keynote Address 2 | |
|-------------------------|---|
| Time: | 09h00 - 09h20 |
| Venue: | Hall 8 |
| Keynote Address | Jo Dean - South Africa Energy Storage Association |
| Plenary Session 3 | |
| Time: | 09h20 - 10h20 |
| Venue: | Hall 8 |
| Theme: | Africa in the Spotlight - The Way Forward for the Renewable Sector in Africa |
| Moderator: | John van Zuylen - AFSIA |
| | Ian Mills, Frans-Willem-Vermaak, Michael Lappin |
| Keynote Address 3 | |
| Time: | 10h20 - 11h00 |
| Venue: | Hall 8 |
| Keynote Address | Geordin Hill-Lewis - Executive Mayor - The City Of Cape Town |
| 11h00 - 11h30 Tea Break | |
| Plenary Session 4 | |
| Time: | 11h30 - 12h30 |
| Venue: | Hall 8 |
| Theme: | Long-Duration Energy Storage – The Time is Now |

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|---|--|---|---|
| Theme Description: | Flexibility and resilience are required if the grid is to fully utilise renewable energy. Long-duration energy storage (LDES) offers exactly that and is set to be a game-changer in Africa. During this session, participants will gain insights from companies that have conceived and implemented groundbreaking LDES projects in various African regions. We will discover real examples of how LDES technologies are ensuring reliable backup energy during times of strain and maintaining the essential balance, flexibility, and stability required to sustain continuous operations. The diversity and adaptability of LDES technologies will be showcased, with an opportunity to see how LDES can be tailored to suit a wide range of applications and scaled up to help Africa achieved its decarbonization goals. | | |
| Moderator: | Julia Souder | | |
| Speakers: | JJo Dean, Herman Fourie, Siboniso Mlombo | | |
| 12h30 - 14h00 Lunch & Exhibition | | | |
| | Breakaway Session 7: Solar and Storage: The Future Hub | Breakaway Session 9: Investment and Collaboration | |
| Time: | 14h00 - 15h00 | | |
| Venue: | Hall 8.1 | Hall 8.3 | |
| Theme: | Batteries, Act Two: Second Life Energy Storage | Paving the Way for Systemic Change | |
| Theme Description: | Efficient and cost-effective energy storage solutions are critical if renewable energy sources are to be fully harnessed. Second life energy storage, the practice of repurposing retired electric vehicle (EV) batteries for stationary energy storage applications, not only extends the lifespan of EV batteries but also addresses this growing demand for energy storage systems while providing reliable grid resiliency. This session will take a closer look at emerging technologies and review the best practices and standards required to make second life energy storage viable. | Embedding diversity, equity, inclusion, and justice in our culture is our collective responsibility. The same goes if we are to create an equitable clean energy economy. All of us in the industry must prioritize the inclusion of previously excluded communities and stakeholders, empowering and supporting them to take part and benefit from the just transition. In this session we will hear from panellists who have implemented workforce developments solutions and operationalised equity into their business processes. This is an opportunity to learn more about best practices for ensuring equity is at the heart of the clean energy transition. | |
| Moderator: | Deshan Naidoo | Chanda Nxumalo | |
| Speakers: | Dr. Thabo Hlalele, Henri van Eetveldt, Nick Singh, Wido Schnabel | Maloba Tshella, Mokgadi Modise, Mpho Mookapele, Elizabeth Marabwa | |
| 15h00 - 15h30 REFRESHMENT BREAK | | | |
| | Breakaway Session 10: Solar and Storage: The Future Hub | Breakaway Session 11: Sustainable Development | Breakaway Session 12: Investment and Collaboration |
| Time: | 15h30 - 16h30 | | |
| Venue: | Hall 8.1 | Hall 8.2 | Hall 8.3 |

| Theme: | Electric Vehicle Solutions for a Sustainable Africa | The Importance of a Circular Economy | Climate Finance Mapping |
|---------------------------|--|---|---|
| Theme Description: | Electric vehicle use is growing rapidly across Africa, with the associated benefits of improved urban air quality and reduced carbon emissions. Strategic investment in the development of EV infrastructure, including charging networks, is required alongside robust policies to support the roll-out across the continent. This session will explore how solar, and storage can work together to enhance the adoption of EV's in the public transport, micro-mobility, and private passenger vehicle segments and address policy requirements as well as adoption and implementation. | The circular economy for renewable energy has the potential to create a lower-emission supply chain for materials, reduce waste, and create economic opportunities. The panel will discuss successful sustainability initiatives within the industry and their impact on local communities and ecosystems and the positive impact of the Extended Producer Responsibility (EPR) Regulations after two years of implementation. | The 2023 South African Climate Finance Landscape report intricately maps climate investments from 2019-2021, revealing gaps and opportunities. It urges targeted funds for vulnerable communities, empowering policymakers to align decisions with global commitments. This prompts action to allocate resources effectively, focusing on urgent climate needs. What change will this report affect and how will it aid decisions and policymakers ensuring South Africa delivers on its International climate commitments? |
| Moderator: | Hiten Parmar | Mpendulo Ginindza | Cilnette Pienaar |
| Speakers: | Andries Malherbe, Craig Atkinson, Gideon Neethling, Ndia Magadagela, Prian Reddy, Vinesh Maharaj | Argon Poorun, Nicolaas Faure van Schalkwyk, Pravashen Naidoo, Steffen Schröder | Jack Radmore, Lisa Johansson, Mojabeng Manthata, Msizi Khoza |

16h30 Closing of Conference Day

CONFERENCE PROGRAMME

Theme: Empowering Africa's Energy Future: Solar and Storage Solutions for Sustainable Development

| Plenary Session 5 | |
|--------------------------|---|
| Time: | 09h00 - 10h00 |
| Venue: | Hall 8 |
| Theme: | Africa's Critical Minerals: Powering Renewable Energy and Socioeconomic Growth |

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| Theme Description: | This Plenary will focus on Africa's pivotal role in the global shift toward renewables, leveraging its abundant critical minerals. With 30% of the world's reserves, Africa stands as a linchpin for renewable energy technologies, heralding socioeconomic growth and local content development. The discourse highlights the continent's mineral wealth-essential for solar panels, wind turbines, EVs, and green hydrogen-and its transformative potential for both Africa and the world. However, this transition presents challenges, as key minerals lie in various SADC countries, raising concerns about environmental and social impacts. The panel will discuss these challenges to support the energy transition while addressing social disruptions to meet the demands of a minerals-intensive journey toward a net-zero economy. |
| Moderator: | Dr. Nandi Malumbazo |
| Speakers: | Christian Teffo, Dr. Nandi Malumbazo, Prof. Bernard Bladergroen |
| Breakaway Session 13 Sustainable Development | |
| Time: | 10h00 - 11h00 |
| Venue: | Hall 8 |
| Theme: | Global or Local Talent Pool? |
| Theme Description: | South Africa's transformative shift towards renewable energy has and will continue to require international support. However, if we are to ensure a just transition, we must develop local skills, focussing on empowering and enabling local workers across the renewable value chain. Together we will explore how best to allocate resources to local skills development if we are to achieve the potential socio-economic benefits of the Just Transition Investment Plan. |
| Moderator: | Celiwe Mabaso |
| Speakers: | Caroline Nhlane, Derick Botha, Mercia Grimbeek, Meta Mhlarhi, Nicolaas Faure van Schalkwyk |
| 11h00 - 11h30 Tea Break | |
| Breakaway Session 14: Solar and Storage: The Future Hub | |
| Time: | 11h30 - 12h30 |
| Venue: | Hall 8 |
| Theme: | Securing the Grid |
| Theme Description: | Smart technologies bring manifold benefits to the grid. However, with increased cyber capabilities come increased cyber security risks. It has never been more important to implement a 'security by design' approach as we decentralise and integrate smart tech into Africa's electrical systems. Following a comprehensive review of Africa's cyber capabilities on a country-by-country basis, we will take a look at specific threats to the future clean energy grid, the resilience advantages offered by clean energy generation, storage, and distributed energy resources, and a discussion of programs aimed at enhancing both physical and cyber security in the energy sector. |
| Moderator: | Florian Kroeber |
| Speakers: | Andre Froneman, Gerhard Brown |
| 12h30 Lunch and Exhibition | |
| 16h30 Closing of Event | |



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SPEAKERS



Amina Ali
Compliance & PR Manager, Ener-G-Africa



Prof. Bernard Bladergroen
Head: Energy Storage Innovation Laboratory, University of the Western Cape



Andre Froneman
Industrial Cyber Security Specialist, Grove Group



Caroline Nhlane
Southern Africa Head of Communications, Enel Green Power South Africa



Andre Nepgen
Chief Executive Officer, Discovery Green



Celiwe Mabaso
Director Harmattan Renewables



Andries Malherbe
Co-Founder and Director Zero Carbon Charge



Chanda Nxumalo
Managing Director/ Founding Partner, Harmattan Renewables



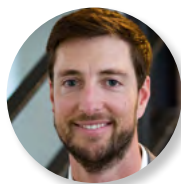
Annelize van der Merwe
Director: Green Economy Industries South African Department of Trade, Industry & Competition



Christian Teffo
Deputy Head: Techno Economics, Minerals Council South Africa



Argon Poorun
Senior Analyst: Energy GreenCape



Christopher Ahlfeldt
Sustainability Advisor, Blue Horizon Energy Consulting Services

SPEAKERS



Gilnette Pienaar
Head: Communications and Publishing, GreenCape



David De Villiers
Head of BD Mini-Grids and SHS Wholesale, Business Development Department - ENGIE



Craig Atkinson
Green Riders Founder | Revolutionizing Last-Mile Delivery in South Africa



Devilliers Botha
Co-founder and Chief Operating Officer, Solareff



Craig Parker
Director Frost and Sullivan



Derick Botha
Chief Commercial Officer, GameChange Solar



Daniel Goldstuck
Head of Sustain Storage



Deshan Naidoo
Managing Director, Aqora



Devaksha Maharaj
Managing Director - Ikigai Engineering



Dr Richard Doyle
Managing Director, Juwi Renewable Energies



Dave Lello
Business Development Executive, Ener-G-Africa



Dr. Markus Thill
President Region Africa, Robert Bosch

SPEAKERS



Dr. Nandi Malumbazo
Senior Lecturer & Researcher Clean
Coal technology, Wits University



Frans-Willem Vermaak
Co-Founder & Head of Technical
and Sales



Dr. Stanford Chidziva
Director for the Green Hydrogen
Programme, University of the
Western Cape



Gaylor Montmasson-Clair
Senior Economist & SAREM
Facilitator, Trade & Industrial Policy
Strategies



Dr. Thabo Hialele
Energy Central Head, Council for
Scientific and Industrial Research



Gerhard Brown
Principal Engineer: IT, OT and
Mobile Coordination, The City of
Cape Town



Elizabeth Marabwa
Chief Director: Programmes &
Project Management Office,
Department of Mineral resources
and Energy



Gideon Neethling
Company Engineer, Golden Arrow
Bus Services



Florian Kroeber
Managing Director, 3Energy South
Africa



Gracia Munganga-Yekoladio
Chief Operations Officer,
SustainSolar



Frank Spencer
Regional Director for Southern
Africa, Cainmani

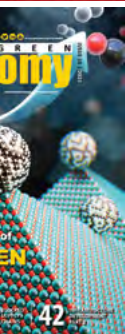
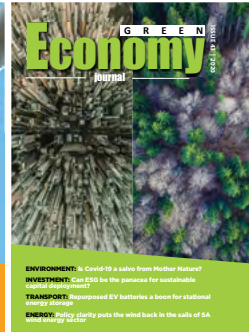
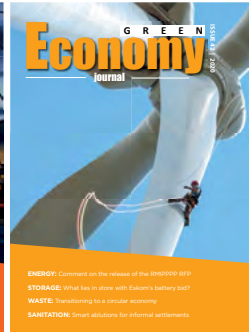
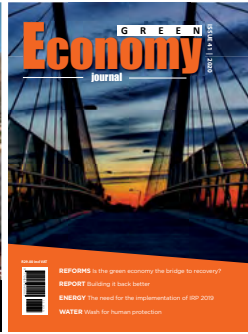


Greg Nafte
South African commercial real
estate expert, Nexus Property
Group



The Green Economy Journal provides environmental leadership for industry in South Africa by delivering top-quality content highly relevant to business people immersed in, or contemplating, their involvement in the green economy. South African and international thought-leading contributors provide readers with theoretical and practical articles designed to provoke discussion and stimulate action.

GreenEconomy.Media is focused on policy, thought leadership, best practices, technology and innovation in the green economy in South Africa and regionally. We aim to facilitate sustainable growth by bringing together business with providers of products and services, information, capital and other resources through an innovative distribution omnichannel. Connect with policymakers, innovators and entrepreneurs through engaging experiences across multiple platforms.



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decentralisation
be secure in our food?
2021 Can sustainable
sent drive the recovery?
The plight of the waste pickers

REFORMS Is the green economy the bridge to recovery?
REPORT Building a back better
ENERGY The need for the implementation of SDG 2009
WATER Wash for human protection

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STORAGE What lies in store with Edison's battery belt?
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GREEN
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Published By



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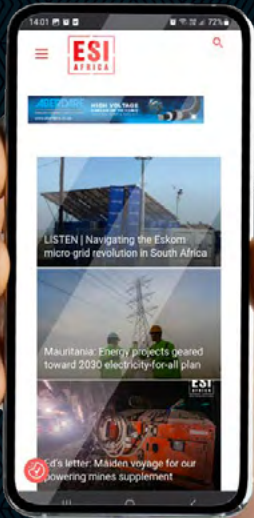
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