

2nd EDITION | VIRTUAL CONFERENCE

SOLAR POWER In Africa

Growth, Opportunities and Outlook

March 22-23, 2022

11:00 to 16:00 (South Africa Standard Time)

Hosted by:

REGLCBAL
Analysis and perspective for CXOs

Supported by:

Global **Transmission** Report
Information and analysis on the global electricity transmission industry

RenewableWatch

Sponsor: **Trina**solar

SOLAR POWER IN AFRICA

Background

- With solar power capacity growing from a meagre 331 MW in 2011 to 10,581 MW by the end of 2020, Africa has the potential to be one of the most significant markets in terms of solar power deployment. Solar projects of all sizes and categories are gaining traction across the continent with an increasing energy demand, focus on improving energy access, energy transition goals of nations, and reducing costs of solar equipment. Various countries have introduced renewable energy and solar power targets along with policy mechanisms like feed-in-tariffs, net metering and competitive bidding for attracting investments.
- Consequently, the African solar market is witnessing the entry of large development finance institutions, financial donors, and climate funds in the recent years. While majority of the upcoming solar capacity is in the form of large utility-scale projects, C&I solar and solar minigrids are also gaining traction owing to their attractive cost economics. Like most solar power markets, Africa also has its own set of challenges including inadequate grid, lack of creditworthy power offtakers, time consuming permits and approvals and difficulty in accessing low-cost funding. However, these issues are expected to be addressed over time, leading to massive investments in deployment of solar power projects across Africa in this decade.
- **REGlobal** with support from *Global Transmission Report* and *Renewable Watch*, is organising second edition of **Solar Power in Africa** on **March 22-23, 2022**. The mission of the conference is to discuss the growth trends in the continent's solar power space, assess the current barriers to solar power deployment and explore the adequate policy and regulatory, technology, as well as financing solutions to expand solar power growth across the continent. The conference aims to bring together government departments, regulatory agencies, solar project developers, EPC players, investors, consultants, equipment suppliers and solution providers to deliberate on the current issues and explore solutions for accelerating solar power deployment in Africa.

Target Audience

The event is expected to draw participation from executives, managers and decision-makers from:

- | | |
|--------------------------------------|---|
| - Solar Power Project Developers | - Engineering and Technical Consultants |
| - Electric Power Utilities | - Management Consultants |
| - Government and Regulatory Agencies | - Legal Consultants and Lawyers |
| - Technology Providers | - Equity and Business Analysts |
| - EPC Firms | - Research and technical Institutions |
| - Equipment Manufacturers | - Investors and Lenders |
| - O& M Service Providers | - Other Renewable Energy Developers |
| - Energy Storage Solution Providers | - Other Financial Institutions |
| - Power Trading Organisations | - National and Multinational Development Agencies |
| - Policy makers and Regulators | - Etc. |

Growth, Opportunities and Outlook

AGENDA

Key Topics Covered

- Trends, Developments and Outlook
- Country Perspective
- Key Segments – Utility-Scale, C&I Market and Microgrids and Minigrids
- Trends in Financing, Technology, and O&M
- Emerging Opportunities in Grid Management and New Growth Areas

Day 1: March 22, 2022 – South Africa Time or (GMT+2)

11:00-11:30 Welcome Address – Organizers

Solar Power Growth and Outlook

- Growth trends, key drivers, and barriers
- Cost trends and emerging business models
- Future outlook and the way forward

Presentation by and Q&A with a leading sector expert

Country Wise Plans and Policies

- Policies and regulations to promote solar power in key African countries
- Progress made so far in these countries
- Initiatives to address the challenges that lie ahead

Presentations/remarks and Q&A with regulators/government authorities/industry associations

Focus on Technology Advancements

- New PV technologies
- Cost and efficiency trends
- PV technology outlook

Presentation by and Q&A with a senior official from a leading solar technology company

Networking Lunch Break

Creating an Enabling Financing Environment

- Leading and emerging sources of finance
- Risks and challenges faced by investors and lenders
- Addressing financing barriers

Panel discussion and Q&A with representatives of key lenders, equity investors, development banks and multilateral financing institutions

Expanding Utility-Scale Solar Market

- Experience of project developers
- Key challenges and best practices
- Key markets and outlook

Presentations/remarks and Q&A with solar IPPs

16:45-17:00 Closing Remarks and End of Day 1

SOLAR POWER IN AFRICA

AGENDA

Day 2: March 23, 2022 – South Africa time or (GMT+2)

11:00-11:30 Recap of Day 1 – Organizers

C&I Solar Gains Traction

- Market potential and growth drivers
- Emerging policy scenario
- Key challenges and outlook

Presentations/remarks and Q&A with C&I solar players

Potential of Microgrids and Minigrids

- Developer perspective on applications
- Key challenges and best practices
- Key markets and outlook

Presentations/remarks and Q&A with leading microgrid and mini-grid operators

Addressing Grid Concerns

- Present status of transmission systems
- Key challenges
- Grid requirements for solar power integration

Presentation/remarks and Q&A with a transmission expert or utility official

Networking Lunch Break

Effective O&M of Solar Projects

- O&M trends and business models
- Experience and key challenges
- Emerging automation and digitalisation solutions

Presentation by and Q&A with a leading project developer/O&M specialist

New Frontiers of Growth

- Focus on hybrid solutions
- Viability of energy storage
- Uptake of floating solar

Presentations by and Q&A with a leading solar expert

Project Showcase and Lessons Learnt

- Notable solar projects
- Implementation and operational experience
- Innovative features and lessons learnt

Presentations/remarks and Q&A with leading solar companies

16:45-17:00 Closing Remarks and End of Conference

Growth, Opportunities and Outlook

PREVIOUS SPEAKERS (in alphabetic order):

- **Adel Baba-Aissa**
Director, Renewable Energy Partner
- **Ahmed Badr**
Acting Director, Project Facilitation and Support,
IRENA
- **Karl Boyce**
Founder and CEO, ARC Power
- **Ulrich Rick Dedo**
Global Business Director, LONGi Solar
- **Dario Fallara**
Co-Founder and Head of Business Development,
Equatorial Power
- **Mohamed H Garbaj**
Sales Manager, Maschinentabrik Reinhausen GmbH
- **Lamy Adbel Hady**
Head of Studies,
Egyptian Electricity Transmission Company
- **Nambuya Imbega**
Regional Sales Manager,
Trina Solar Middle East & Africa
- **Chalker Kansteiner**
Founder, GridX Africa
- **Linda Mabhehena-Olagunju**
Founder and Managing Director, DLO Energy
- **Prasad Mande**
Key Account Manager and Head,
Trina-Pro (Middle East & North Africa)
- **Themban Marhanele**
Chief Executive Officer, Jeka Power
- **Eng. David Mwange**
Independent Energy Consultant
- **Nour Mousa**
Founder and CEO, Desert Technologies
- **Jean-Jacques Ngono**
Managing Partner, Finergreen
- **Ayowale Ojo**
Sales Manager, West Africa, JA Solar
- **Terje Osmundsen**
Chief Executive Officer and Founder,
Empower New Energy
- **Olaedo Osoko**
Chief Executive Officer (Ghana), Daystar Power
- **Gilles Parmentier**
Chief Executive Officer, Africa REN
- **Daniel Pasker**
Sales Manager – Southern Africa, JA Solar
- **Lawrence Pratt**
Principal Researcher,
The Council for Scientific and Industrial Research
- **Riccardo Ridolfi**
Chief Executive Officer, Equatorial Power
- **Avik Samantha**
Solution Architect & Industry Sales Leader, Emerson
- **Daniel Schroth**
Acting Director for Renewable Energy,
African Development Bank
- **Jessica Stephens**
Chief Operating Officer,
Africa Minigrid Developers Association
- **Upendra Tripathy**
Director General, International Solar Alliance
- **Marcus Williams**
Global Head & Sector Manager, The World Bank Group
- **Dr Rahul Walawalkar**
Global Head, Emerging Technologies,
Customized Energy Solutions

SOLAR POWER IN AFRICA

PARTICIPANTS

Some of the participants in our previous conference on “Solar Power Africa” were: A1 Power Technologies, 4iAfrica, ACOB Lighting Technology, African Development Bank, Africa Minigrid Developers Association, Africa Renewable Energy Group, Africa REN Development, AKUO Energy, Altran, Beijing Sifang Automation, Center for Renewable Energy Research, Complete Energy Solutions, Clarke Energy, Daystar Power, CVE International, Desert Technologies, DCM Smart Energy Systems, Deltacron Technologies, DLO Energy Resources, Eagle Africa Centre, Egyptian Valves, Eco Solaire Energy, Electricity Regulatory Authority-Uganda, Egyptian Electricity Transmission Company, Emerson, Empower New Energy, ENGIE, EneSom, Energy Access, Eskom, Equatorial Power, Finergreen, F&H Solar Company, Haier, Geothermal Development Company, Gigawatt Energy, GIZ, Globeleq, Greentech Angola, GreenYellow, GREENELEC, GRECO Power, GSEZ Infra, Green Action One, Huawei, Infra Innovative Financial Solutions, Ikeja Electric, International Solar Alliance, InfraCo Africa, JA Solar, Jaguar New Energies, Jacobs Engineering, Jeka Power, JCS Investments, Kasuba Power Solutions, Kenya Pipeline Company, Kontek Energy, Lucid Energy, LONGi Solar, Masen, Manocap Energy, Maschinenfabrik Reinhausen, Ministry of Energy, Ministry of Energy and Public Utilities – Mauritius, Mines and Environment-Morocco, Monovine Smart Energy Solution, Multiconsult, National Office of Electricity and Drinking Water (ONEE), Niteo, Oolu, Orange renewable, Oxford Z Energy, Renkune Energy, Posrunna Investment, PEGAfrica, Powervision, PowerGen Renewable Energy, Premier Solar Group, Quaint Energy, Renpower, Rockwell, Rural Energy Aid, Sevak, Shapoorji Pallonji, Shizen Energy, Seeraj Energy, Siemens, Smart Engineering Solutions, Sonelgaz, Solarcentury, Sotemag, Solar Lease, Solek - Renewable Energy Engineers, Solarquest Zambia, Solec, Solarshams – Egypt, Solarma Madagascar, Strategic Energy, Sunlite Solar Lighting, SunGate Energy, Suncolect, Sun way Egypt, SQS Engineering, The World Bank Group, Taipaso Renewable Energy Systems, Tasi Energia Consulting, Telligent Engineering, Trina Solar, Tropical Power, Total Kenya PLC, UNOPS, Valeco, Volta PV, Voltalia, Volt Africa, WASOLAR, W&H Solar Ventures, Winconsul Engineering, Znshine solar etc.

Some of the participants in our previous conferences in Africa (Power Transmission in Africa and Hydro Power Africa 2021) were: ABB, AECOM, African Development Bank, African Infrastructure Investment Managers, AT Kearney, AUDA-NEPAD, Avaco, Africa Export Services, AFRY GmbH, AIT Consulting, Amiblu Holding GmbH, Amitech Maroc, Andritz Hydro, Berkeley-Energy, Bindhyabasini Hydropower, Bolcon Associates, Bui Hydroelectric Station, BCG, Bushveld Energy, Carpitech, CORMART, City Power, Consolidated Power Projects Group SA, Deloitte, East African Power, East Consult, EDF, EIB, Elecnor, Electricity Generation Company, MALAWI(EGENCO),Eneo-Cameroon, ESKOM, Ethiopian Electric Power, ETRHB, Electricidade de Moçambique, European Investment Bank, Electricity Regulatory Authority of Uganda, Energys Cables, ESKOM, Electricity and Water Utilities Regulatory Authority of Tanzania, Federal Ministry of Power, Fichtner, First National Battery, GOPA - International Energy Consultants, Ghana Grid Company, IEA, Kenya Electricity Transmission Company, KfW Development Bank, Liberia Electricity Corporation, Ministry of Energy and Power Development of Zimbabwe, Multiconsult, Multilateral Investment Guarantee Agency, National Construction Industry Council of Malawi, National Energy Regulator of South Africa, Nile Basin Initiative, Norfund, OptiPower, PFISTERER, Power Africa, Premier Electric, Proyapi RIBE, Ricardo Energy & Environment, Southern African Power Pool, Rensys Engineering and Trading, Rusumo Power Company, RWANDA ENERGY GROUP/EUCL, Salini Impregilo, Shell Foundation, South Africa Power Pool (SAPP), SEDIVER, SGB-Smit Power Matla, Sonelgaz Standard Bank South Africa, Super Grid Institute, Terna, Tesmec SA, Tractebel-Engie-Group, Tridelta Meidensha, Uganda Electricity Generation Company, USAID, Uganda Electricity Transmission Company, UNIDO, UNITEC / KORAIL JV, Vidullanka PLC, Voith, Volta River Authority (Ghana), Worthington Products, World Bank, Zeco, ZESCO, etc.

Our conferences on Offshore Wind Transmission in US and Europe have attracted organisations like: ABB, Accenture, Anbaric, Avangrid, Bechtel Infrastructure, Black & Veatch, Brookfield Renewable, California Energy Commission, Consolidated Edison, Diamond Transmission Corporation, DNV GL, Duke Energy Transmission Holdings, E.ON, EDF Renewables, EDP Renewables, ESKOM, European Investment, EnBW FirstEnergy Service Corporation, GE Renewable Energy, Green Giraffe, Green Investment Group, Hatch, McKinsey & Company, Mitsubishi Electric Power Products, National Grid, Nexans, Ørsted, Pfisterer, PJM Interconnection, PSE&G, ReGen Powertech, RWE Renewables, Shell New Energies, Siemens, Sumitomo Electric, SuperGrid Institute, TenneT TSO GmbH, Teshmont Consultants U.S. Department of Energy, Worley, etc.

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ABOUT THE ORGANISERS

REGlobal provides global, high-level analysis and perspective on issues related to renewable energy that are of interest and relevance to CXOs working with energy developers, electricity utilities, technology providers, investors, regulators, policymakers and other concerned organizations.

It features analysis of key trends and major developments, interviews with top managers and officials, opinion of leading experts and a rich knowledge centre. It covers a wide range of issues and topics including but not limited to markets, technology, policy and finance. The primary focus is on all forms of renewable energy but, when relevant, it also examines trends related to other sources of energy.

Global Transmission Report is a leading provider of information and analysis on the global electricity transmission industry. We publish newsletters and market intelligence reports, offer custom research and advisory services, and organise thematic conferences on crucial and topical issues relevant to the industry.

Our leading products – **Global Transmission Report** (a monthly newsletter), **Global Transmission Weekly** (a weekly update), and www.globaltransmission.info (website) – keep you informed on key developments, trends and issues in the industry. Our reports provide the latest data, insights and analysis on the transmission industry in over 100 countries to ensure reliable and actionable research.

Our conferences are one to two-day thematic events with focused sessions and discussions featuring speakers with vast experience and expertise. In the past, we have organised three conferences on offshore wind transmission in the US. These conferences received a strong response from speakers and delegates alike.

Renewable Watch is a leading provider of information and analysis on renewable energy sector in India. It covers the entire spectrum of renewable energy – wind, solar, bioenergy, small hydro and other emerging technologies – and includes both grid-interactive and offgrid power solutions. It aims to provide accurate information to track investments and projects, to showcase innovations and technologies and to offer a platform for debate and discussion on policy, regulation and financing.

The magazine is targeted at wind and solar energy developers, technology providers, equipment manufacturers, conventional power producers, renewable energy development agencies, discom and transcos, fuel producers and sellers, financial institutions, carbon fund managers, industrial consumers, policy makers, regulators, government agencies, research organisations, management consultants, etc.”

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1 Logins	USD 250
2-3 Logins	USD 400
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6-9 Logins	USD 700
10-20 Logins	USD 850

Registrations for the African government agencies, utilities and regulatory authorities is complimentary for the conference.*

REGISTRATION FORM

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TERMS AND CONDITIONS

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- Full payment must be received prior to the conference.

Cancellations

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- Substitutions/name changes are welcome at no extra charge. Please send these in writing at least two days prior to the conference.
- REGlobal shall assume no liability whatsoever in case the event is postponed or cancelled due to a fortuitous event or unforeseen occurrence that renders the performance of this conference impracticable, illegal or impossible. For purpose of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergency. India Infrastructure's responsibility is limited to return of the registration fee only and is not liable for any cost in relation to travel and accommodation.
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