

Africa's Mini-Grid Agenda

Renewable and self-sustaining mini-grid solutions present a viable solution to achieve universal energy-access goals for remote African communities

FOR IMMEDIATE RELEASE

Johannesburg, 29 January 2020; Improving energy access for the population of Africa is critical to achieving the region's **2030 Agenda for Sustainable Development**. Energy access is a pivotal catalyst for economic development, improving levels of efficiency which is considered a significant factor in promoting growth and structural transformation across the African continent.

The landscape and population distribution of the African continent affirms why major power plants lack capacity to reach and serve all areas. Considering that many of these regions are located so far from other urban centres, extending a country's main electrical grid remains unaffordable. This then gives rise to the provisional solution of holistically studying energy access and planning, which includes integrating smaller "mini-grids" that operate independently from the main grid in isolated regions of the continent. Application of such solutions could also prove sustainable in areas where it remains unfeasible to spread the grid, due to issues of topography or low population density.

Mini-grids present a viable solution to increasing energy access to Africa's population while also tapping into Africa's huge potential for renewable energy. This will require authority from

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the public sector to allow private sector involvement, in the form of regulations and financing mechanisms.

Africa's abundant renewable energy sources remain the most economical strategy for powering mini-grids. Nonetheless, the development of mini-grids presents various challenges that require attention. Barriers confronting the development of private sector mini-grids in Africa include gaps in the policy and regulation governing mini-grids along with discrepancies in market data and linkages; capacity of key stakeholders and access to funding.

In response to these barriers, leaders have sought to combine the efforts of development partners, who are supporting the expansion of private sector involvement in mini-grids, as well as private investors. This can prove instrumental in providing clean energy mini-grid projects with the necessary sustainability, thereby enabling African nations to achieve their commitments to the **Paris Climate Agreement**, as well as their **Sustainable Development Goals (SDGs)**. Development partners have provided governments with grants for the development of business models and the provision of technical training and expertise with the purpose of improving energy access levels across the continent.

Africa could be well on its way to achieving universal energy access if sound partnerships between the government, private sector and development partners are established and maintained. This will involve the development of business models to boost sectoral growth, the creation of an enabling climate through the formulation of relevant policy and regulation, and lastly access to innovative funding mechanisms from both the development community and private investors.

Mini-grid power projects are set to make a huge impact as Africa plays catch-up in its generation capacity. These revolutionary solutions will form a key component in the discussions at the upcoming Africa Energy Indaba, and anyone vested in the energy sector will reap the benefits of attending this premier conference. "Our aim is to unlock the potential on mini-grid power projects and catalyse the business opportunity linked to developing these projects in Africa. The conference programme will feature this aspect as well as link interested parties to the key role-players in Africa", commented Liz Hart, Managing Director, Africa Energy Indaba.

Press Release Ends

ABOUT AFRICA ENERGY INDABA

2020 Theme: "African Energy – Catalysing Investment and Business Opportunities"

The Africa Energy Indaba is the continent's definitive energy event, providing an agenda that influences energy policy for Africa. Attended by Ministers and decision-makers, the prestigious event serves as the ideal platform for achieving Africa's energy vision for a sustainable energy future and keeping abreast of global energy competitors in this dynamic landscape. The event has proven its success year on year, demonstrating extreme efficaciousness in addressing key issues impacting the African energy sector while devising solutions to best mitigate these pressing concerns. Strategic partnerships with the World Energy Council, the South African National Energy Association and the NEPAD Planning and



Coordinating Agency ensure the event is backed by leading energy drivers. The symposium provides invaluable business growth opportunities for the continent's energy realm, subsequently inspiring much-needed transformation within the sector.

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