



CASE STUDY

PAVING THE WAY FOR LOCAL RENEWABLE ENERGY MANUFACTURING IN AFRICA

📅 2022 – ONGOING

Our Renewable Energy Manufacturing Initiative (REMI) is helping countries build up local industries for clean energy technologies to improve energy security and job creation.

OUR PARTNERS



APRIL 2023



OBJECTIVE

Africa's demand for power is projected to double before 2030 and grow eight-fold by 2050. Renewable energy is essential to meet much of this growth. Africa has almost unlimited potential for solar generation (10 TW) and abundant hydro (350 GW), wind (110 GW), and geothermal (15 GW) energy resources. At the same time, the continent still relies heavily on imported renewable energy technology, keeping local prices for clean power artificially high and exposing projects to supply chain risk. Building local renewable energy manufacturing capacity could help renewables out-compete fossil fuels locally, as well as create much-needed employment: up to 14 million energy transition jobs could be created in Africa by 2030.

Through the Africa Renewable Energy Manufacturing Initiative (AREMI), Sustainable Energy for All (SEforALL) aims to drive investment and mobilize action in Africa and through an aligned initiative in Southeast Asia to scale up renewable energy manufacturing capabilities. This international effort is designed to help drive the financial, technical, and socio-economic investments required to unlock clean energy potential in the region.



The legitimacy of climate investment can be measured by the extent to which it seeks to ensure inclusivity and address unemployment and poverty. By working with inter-governmental agencies, enterprises, financial institutions, and research institutions, the Africa Renewable Energy Manufacturing Initiative will capitalize on Africa's growing economy and population while laying a solid foundation for sustainable economic growth and renewable energy production throughout the continent.



SALIEM FAKIR

Executive Director of the African Climate Foundation

PARTNERS

AREMI was developed as a strategic alliance between SEforALL and partners, including the African Climate Foundation, Bloomberg Philanthropies, ClimateWorks Foundation, and the Chinese Renewable Energy Industries Association. Initial funding for the initiative was provided by Bloomberg Philanthropies.

TECHNOLOGIES SUPPORTED

The initiative is currently focused on building manufacturing capacity for two technology classes - solar photovoltaic panels and lithium-ion battery storage in Africa and Southeast Asia, where an ongoing study is also assessing the potential for scaling-up electric two-wheeler manufacturing.



Developing Africa's green manufacturing capabilities is one of the key strategies to fostering growth, producing decent employment opportunities, and eradicating poverty while ensuring that Africa is not left behind in the global energy transition agenda.



MATTHEW OPOKU PREMPEH

Minister of Energy of Ghana

OUR ROLE

SEforALL worked with partners to launch AREMI at Abu Dhabi Sustainability Week in January 2023. Based on interest generated by the launch, we have subsequently partnered with the ADB and other organizations to develop a parallel effort on renewable energy manufacturing in Southeast Asia. It is an open platform for stakeholders across the globe, allowing South-South Cooperation, and targeting to unlock up to USD 850 million in catalytic investment to advance clean energy manufacturing capacity across Africa.

RESULTS

We worked with partners to develop an implementation roadmap that details initiatives to be launched over a five-to-eight-year period to advance this opportunity in Africa. We identified critical interventions required under the banners of 'Policy, People, Anchor, and Accelerator' to bridge the gaps in Africa's renewables manufacturing ecosystem. We also identified a group of priority countries in Africa and Southeast Asia with potential for solar photovoltaic, battery, and/or electric two-wheeler manufacturing.

NEXT STEPS

As a next step SEforALL is working to develop national renewable energy manufacturing roadmaps with three countries identified as high potential in Africa. In Southeast Asia, SEforALL and partners are continuing with a phase two of the project, which consists of deep-dive analyses of four high priority countries and one emerging economy within the ASEAN region.

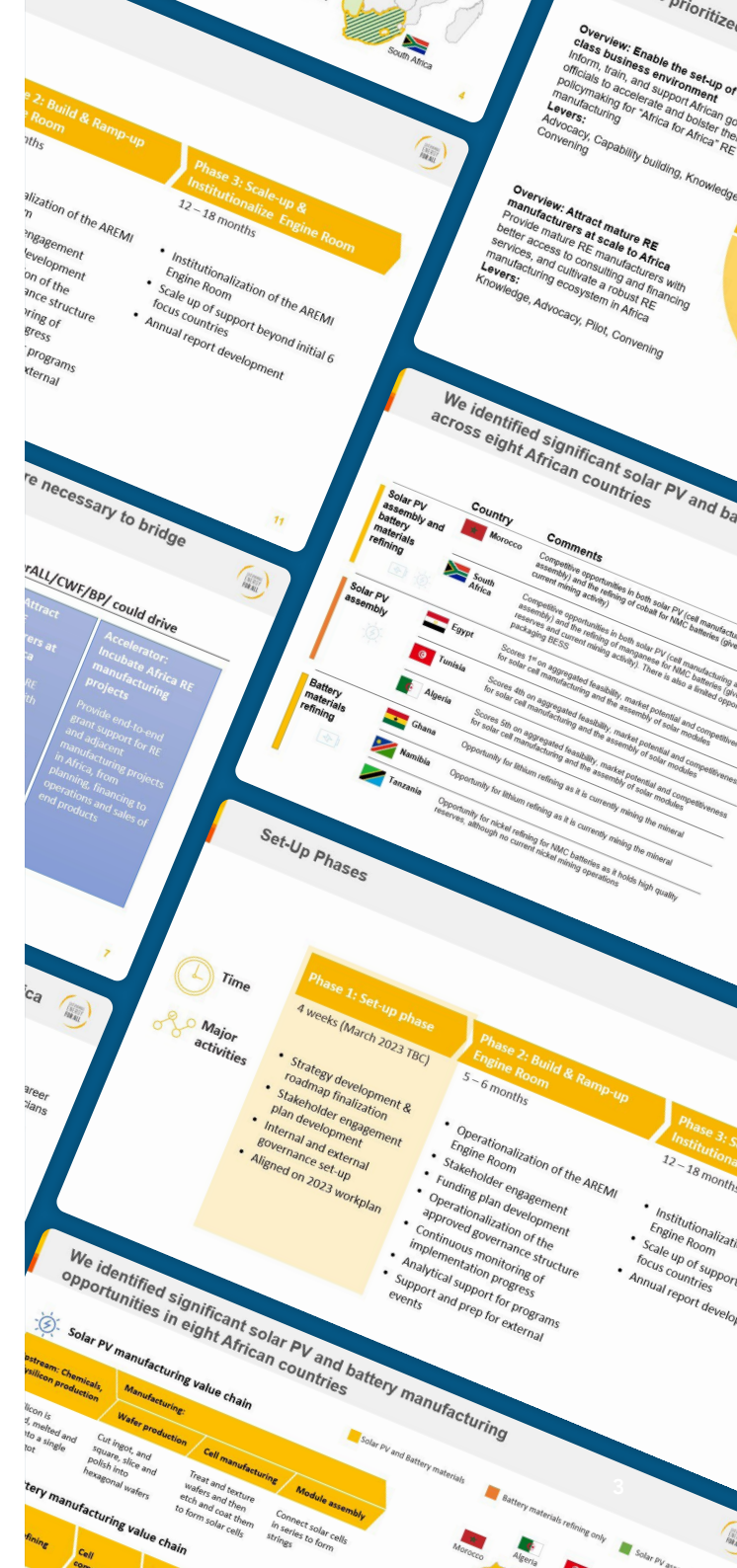


Building green manufacturing capacity is key to rapidly scaling renewable energy in Africa. ClimateWorks is proud to partner with the Africa Renewable Energy Manufacturing Initiative to support African countries in realizing their vision of creating sustainable, thriving economies that benefit communities and tackle the climate crisis.



HELEN MOUNTFORD

President and CEO,
ClimateWorks Foundation





Current clean energy investments in Africa are at an alarming low. Changing that requires new levels of collaboration to unlock the dollars needed to electrify and decarbonize Africa. The Africa Renewable Energy Manufacturing Initiative will turbocharge new levels of cooperation to scale and boost green manufacturing capacity, create good jobs, and make renewable energy a key economic anchor in the continent and around the world.



ANTHA WILLIAMS

Lead, Environment Program, Bloomberg Philanthropies

[LEARN MORE ABOUT AREMI →](#)

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ABOUT SEFORALL

Sustainable Energy for All (SEforALL) is an independent international organization that works in partnership with the United Nations and leaders in government, the private sector, financial institutions, civil society and philanthropies to drive faster action on Sustainable Development Goal 7 (SDG7) – access to affordable, reliable, sustainable and modern energy for all by 2030 – in line with the Paris Agreement on climate change.

SEforALL works to ensure a clean energy transition that leaves no one behind and brings new opportunities for everyone to fulfil their potential. Learn more about our work at www.SEforALL.org.

