



Grid-scale energy storage kampala

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The groundbreaking ceremony was attended by Dr. Ruth Nankabirwa Ssentamu, Minister of Energy and Mineral Development of Uganda who was the Guest of Honour, Irene Bateebe, the Permanent Secretary – Ministry of Energy and Mineral Development, and Aqueel Bohra, Chief Investment Officer, AMEA Power.

Senior representatives from the Uleppi Subcounty, the Madi Okollo District, local Members of Parliament, the Ministry of Energy & Mineral Development, Uganda Electricity Transmission Company Limited, the Electricity Regulatory Authority, the Ugandan Embassy to the United Arab Emirates, and other government and private energy sector agencies were also present at the event.

The investment for the USD 19 million project financing was secured during COP28 from Emerging Africa Infrastructure Fund (EAIF). African Trade and Investment Development Insurance (ATIDI) is supporting the project via its Regional Liquidity Support Facility (RLSF).

"We are excited to begin construction on this landmark solar project in Uganda, marking a significant step forward in our commitment to expanding our footprint across East Africa. This project aligns perfectly with Uganda's vision for a cleaner and more sustainable energy future, and we are confident that it will deliver substantial economic and environmental benefits for the country," Hussain Al Nowais, Chairman of AMEA Power, said.

The commissioning of the solar PV power plant is expected in Q3 2025. Once commissioned, it will be AMEA Power's first operational asset in the country. It will generate approximately 53,940MWh of clean energy per year, power more than 192,640 households and will offset 26,600 tonnes of carbon emission annually.

The Power Purchase Agreement with the Uganda Electricity Transmission Company, and the Implementation Agreement with the Ministry of Energy and Mineral Development, were signed in September 2023.

AMEA Power will work closely with the local communities as part of its commitment to socio-economic development and will undertake key social initiatives under its "Community Investment and Development Programs", aimed to focus on gender equality, education and training programs.

Headquartered in Dubai, AMEA Power is a developer, owner and operator of renewable energy projects. As one of the fastest-growing renewable energy companies in the region, AMEA Power has assembled a world-class team of industry experts to deliver projects across Africa, the Middle East, and emerging Asia. With projects in 20 countries, a 6GW+ project pipeline, and 1,600MW+ in operation and under/near construction, the company is rapidly expanding its investments in wind, solar, energy storage, and green

hydrogen, demonstrating its long-term commitment to the global energy transition.

Uganda's Vision 2040 aims at building a green economy and clean environment where the ecosystem is sustainably managed, and the livability of the urban systems greatly improved. This calls for building a modern energy sector that creates economic opportunities and enhances access to green energy at affordable price which can be achieved by bridging the gap between industry and the academia, and commercialization of research and development.

Network expansion and the development of decentralized energy solutions are urgently needed in Uganda to meet electrification needs. The integration of electricity from intermittent renewable energy sources requires the use of energy storage and a smart grid approach.

Uganda currently lacks a suitable research infrastructure for the development of new technologies. The aim of the German-funded project >>RenEn Uganda<< - involving the Fraunhofer Institute for Chemical Technology ICT, Karlsruhe University of Applied Sciences and Makerere University in Uganda's capital Kampala - is to establish this research infrastructure. Makerere University is considered the best African university outside of South Africa.

The expected outcomes of >>RenEn Uganda<< is that Makerere University becomes a center of excellence for applied and contract research in Uganda and the region, developed around a sustainable business model.

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