Hargeisa smart grid

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Ministry of Energy & Minerals and the Somaliland Energy Regulatory Commission is excited to announce its transformative Electricity City Grid initiative. This groundbreaking WBG project aims to revolutionize the way electricity is distributed and consumed within our capital city Hargeisa, fostering sustainability, resilience, and efficiency.

“We are broad to introduce the City Electricity Grid initiative, which represents a major leap forward in energy distribution and management,” said Mr. Abdillahi Farah Abdi, the Minister of MOEM. By fostering energy efficiency, renewable integration, and grid resilience, we aim to create a city that is at the forefront of sustainable energy practices. This initiative aligns with our commitment to a cleaner and more resilient future.

Finally, the ESP"s spokesperson Eng Mohamoud Ahmed Liban said, "we are proud to announce the collective endorsement of the groundbreaking Electricity City Grid initiative". This united commitment from the industry’s key players represents a significant step towards creating a sustainable, efficient, and interconnected energy landscape within our city.We acknowledge the CPCS’s foresight and dedication to integrating various aspects of distribution and sub-transmission development.

Aptech recently commissioned an integrated hybrid system at the UNDP office in Somaliland. This system has a generation capacity of 25 KWp using 76 pcs of 340 Wp solar panels and the storage capacity of 62.4KWh using 13 pcs of 100 Ah Bolt power lithium ion batteries. The system uses a 20 KW SOFAR Inverter, which is a PV hybrid inverter with inbuilt charge controllers to supply power to the entire office block.

The system has also two additional power sources: the Grid and a diesel generator which supplement the solar in case the demand is higher than the PV generation and the battery storage can provide.

The system was installed with a remote monitoring system which indicates the PV generation, load consumption, battery capacity level of charge and discharge, and the grid import to supply the loads.

The project is located in Hargeisa, the capital city of Somaliland. It supplies all the loads in the UNDP office block. The block was selected among other blocks in the premises due to many critical loads. UNDP also selected their offices to demonstrate their commitment to fighting climate change and promoting environmental conservation with clean energy.

The power in Hargeisa is unstable which hinders office activities. The generator was not the best alternative due to air and noise pollution. This project has the unique features of being the only project in Hargeisa with a simplified lockable outdoor cabinet that combines all energy storage components.

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This system is seen as a path to energy independence where power can be managed by the user according to the demand. The project serves as a sample project for the city of Hargeisa, demonstrating the possibilities of renewable energy implementation. Thanks to Aptech"s implementation, this project has created job opportunities from the line of production to the installer team, as well as to protect UNDP offices from rising energy costs.

In a significant stride towards sustainable development, the inauguration of a Solar PV- Hybrid Minigrid installed by Aptech Africa in Mambasa, Democratic Republic of Congo was celebrated. Aptech Africa designed

In an innovative step towards sustainable energy and reliable healthcare, Aptech Africa designed, supplied, installed, and commissioned a 125 kWp Hybrid Solar Plant at the Regional University Hospital of Bangassou.

Aptech Africa is thrilled to announce the successful installation of a 50kWp solar power system in Djibouti. Djibouti, with its abundant sunlight and growing energy demands, presents a prime opportunity

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