

Yaounde microgrid benefits

The project benefits have been precisely calculated. Local consumption of electricity withdrawn from the grid will decrease by 31%. The LEDs should generate energy savings of 72% and reduce maintenance costs by 83%. And 17% of the city hall building's energy consumption will be covered by self-sufficiency.

Benefits. After completion of the project's phase I, Huawei Microgrid Solar Solution now helps 166 villages (and over 120,000 people) benefit from electricity in Cameroon; the average annual power generation is more than 17 million kWh, the rural electricity coverage rate increases from 18 percent to 20 percent.

Creation of an urban microgrid in the heart of Cameroon's capital city. The city of Yaounde; entrusted Omexom with the implementation of an integrated solution for local energy production, storage and management. The project has significant implications for this African city's 2.7 million residents and businesses.

Création d'un microgrid urbain au coeur de la capitale camerounaise. La ville de Yaounde; a confié; Omexom la mise en place d'un dispositif intégré; de production locale, de stockage et de pilotage de l'énergie. Un projet aux enjeux multiples pour les 2,7 millions d'habitants et les entreprises de la métropole africaine.

The new microgrid technology enables the interconnection of existing solar home systems into a 60V DC distribution grid, where excess solar generation capacity of individual systems and unused battery capacity can be shared at the grid level. This allows to include also villagers into the grid who don't have their own Solar Home System.



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