



Development

Geographical divide/Digital divides/**Essential services: access to energy**/Essential services: m-Women/Essential services; agriculture and health/Entrepreneurship/Financial services

Developing innovative essential services: access to energy

Challenges/vision/convictions

As part of its global 'Orange for development' approach, the Group works with partners to design appropriate products and services that best drive growth, particularly in the Africa and Middle-East region. Several transformation focuses have been identified, including:

- agriculture, health, women's empowerment, financial services >> see dedicated documents
- access to energy

Indicators/Key figures

Electricity access rates in Africa: 50% of the population, and 18% in rural areas, meaning 600 million people do not have access to electricity (source: Africa Progress Panel 2017)

30 million households in the Orange MEA-SSA area do not have access to electricity and spend between USD 10 and USD 15 per month on batteries/candles/kerosene to meet their primary need for light.

Roadmap

Orange's aim is to become a key player in bringing energy transition to people and public operators in Africa through innovative solutions:

1. expanding electrification for rural populations through individual solar kits paid for via pay-as-you-go with Orange Money. In the DRC, the first country in which this offering was launched, Orange aims to distribute 400,000 kits during the first 4 years;
2. helping to bring lighting to communities by expanding the capacity of its solar farms designed to provide electricity to its own telecoms operator infrastructure to cover nearby villages (minigrid);
3. offering remote reading and smart metering to energy suppliers to facilitate grid monitoring, improving how they manage their infrastructure and enabling them to expand their services.

Latest news/achievements

1. In the Democratic Republic of the Congo, Madagascar, Burkina Faso, Senegal, Mali, Guinea and Côte d'Ivoire, Orange has launched its solar energy access service via individual kits for people living in rural areas.

The kit includes a solar panel, a battery and accessories (LED bulbs, a kit to recharge several phones, a radio and/or a television), provided by partners chosen by Orange for the quality of their products and their ability to meet mass demand. Users benefit from the Orange warranty, and the company also installs, maintains and repairs the kits, working with technical partners.



Themed documents

Corporate Social Responsibility

Payment via Orange Money allows the service to be automatically enabled or re-established remotely for the desired duration.

2. Orange is also working with its partners to test minigrids based around telecoms towers by expanding the capacity of the solar panels required to supply the towers, providing the surrounding villages with energy. Essentially, via its ESCO (Energy Service Company) contracts, Orange is outsourcing the production, operation and maintenance of the solar farms linked to the facilities to reduce the cost of accessing energy, ensure a reliable supply and provide community access to energy. Orange plans to expand this type of contract to ensure a 100% renewable energy supply by 2030 in the OMEA area while also becoming a multi-service stakeholder that offers essential commodities to local people.
3. In collaboration with its technical partners, Orange also offers a service platform designed for electricity transmission and distribution grid operators that allows them to monitor their grid to improve productivity, develop smart meter and remote reading solutions, and use payment via Orange Money to increase their recovery rate. Orange currently offers this service in Tunisia. By enabling improvements to be made to their infrastructure, Orange allows electricity transmission and distribution grid operators to reduce load shedding and improve the overall service that people receive.

To learn more...

- [Digital](#)
- [Orange aims to become a key player in energy transition in Africa](#)