



RÉPUBLIQUE
FRANÇAISE

*Liberté
Égalité
Fraternité*



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Africa

10 FLAGSHIP ENERGY ACCESS PROJECTS

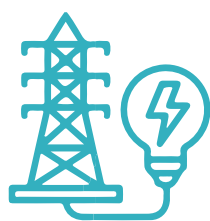
#WorldInCommon

ACCELERATING ACCESS TO ENERGY IN AFRICA

Access to reliable, sustainable, and affordable electricity is a key driver of economic and social development. Despite significant progress in recent years, providing universal access to electricity across the African continent remains a structural challenge. With more than 600 million people still lacking reliable, consistent access to energy, AFD Group has made electrification a top priority. To address this challenge, the Group is working closely with international partners to implement the Mission 300 initiative in particular. Led by the World Bank Group and African Development Bank Group, the program aims to

connect 300 million people to a power supply by 2030. AFD is delivering on France's commitment to mobilize €1 billion in support of this goal.

Through its financing, expertise and partnerships, the Group is strengthening electricity infrastructure, supporting innovation, and rolling out solutions to meet the specific needs of Africa, accelerating access to electricity and contributing to inclusive, sustainable development across the continent.



6 millions people

connected to the power supply since 2021



14 millions people

benefiting from improved electricity services



Over 50

innovative digital projects supported by Digital Energy in **17 African countries**

FOUR STRATEGIC PRIORITIES FOR AFD GROUP



Expanding and strengthening power grids

Extending distribution networks is key to improving access to electricity and meeting growing demand. AFD supports national power utilities in developing and modernizing their infrastructure, and also takes measures to make the grid more accessible, even to the most vulnerable populations.



Scaling up off-grid solutions

In rural or remote areas, mini-grids and standalone systems provide essential alternatives to grid expansion. The Group supports their development by helping establish appropriate public service frameworks and strengthening partnerships with international institutions as well as public and private stakeholders.



Driving innovation and strengthening public-private cooperation

AFD supports the transformation of the power sector by promoting innovation, digitalization, and new planning and management models. The Digital Energy facility helps improve the performance of power systems and fosters innovative solutions through strengthened public-private partnerships.

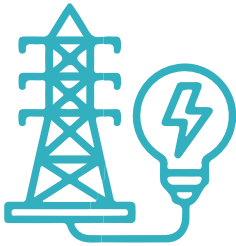


Promoting access to clean cooking solutions

AFD Group supports the roll-out of clean, efficient cooking solutions tailored to local contexts and has undertaken to step up its efforts in this area, pledging €100 million by 2030. Building on electrification projects, these initiatives will help ensure sustainable, inclusive access to energy across the African continent.

Rehabilitation and expansion of the Conakry grid

Financed by AFD and the European Union, this project aims to improve the coverage and reliability of Conakry's power grid. The initiative includes **rehabilitating existing grids in electrified neighborhoods**, and installing or **modernizing 996 km of distribution lines**. More than 60,000 newly connected households now have access to reliable and affordable electricity. This initiative improves service quality, reduces network losses, and supports the country's energy transition. It is aligned with Guinea's national strategy to achieve electricity access for all by 2030.



Over 360,000 people

have access to sustainable electricity services

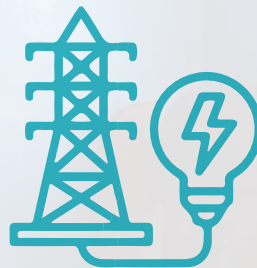
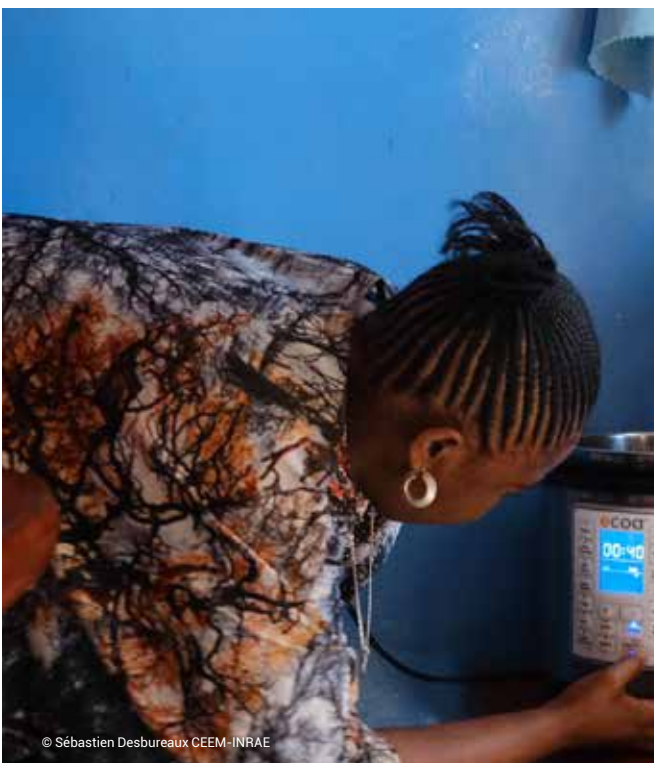
French expertise mobilized:
INEO (Bouygues Group)

Location : Guinea



Clean cooking to combat deforestation in Virunga

In Goma, more than 90% of households cook with charcoal, thereby fueling the illegal timber trade in Virunga National Park and threatening its biodiversity. To reverse this trend, an innovative project supported by the Fund for Innovation in Development has piloted the use of electric pressure cookers, thanks to a more reliable power supply provided by Virunga Energies. A trial involving thousands of households showed **strong uptake of these cookers, resulting in reduced charcoal consumption and lower energy costs**, as well as social benefits (shorter cooking times and enhanced quality of life). This pioneering initiative is now set to scale up, with a target of equipping up to 52,000 households by 2029, thereby helping protect forests and wildlife, and supporting sustainable development in the region.



Over 50,000 households

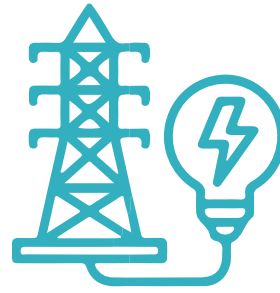
to be equipped with electric pressure cookers by 2029

French expertise mobilized :
Center for Environmental Economics – Montpellier (CEE-M)

Location : Democratic Republic of Congo

Lomé power grid expansion project

Financed by AFD and KfW with support from the European Union, the Lomé Power Grid Expansion Project (PEREL) aims to **improve access to reliable and affordable electricity** in Togo's capital city and surrounding areas. **In addition to rehabilitating and expanding the grid in Lomé, the project also includes the construction of a Control and Operations Center for the city's power supply.** With a total budget of around €40 million, the project strengthens grid capacity, reduces technical losses, and supports sustainable urban electrification in Togo.



Over 100,000 people

have access to sustainable electricity services

French expertise mobilized :
ACTIA Group

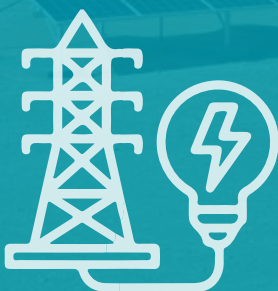
Location : Togo



© Photo projet : Extension du réseau électrique de Lomé

Angovo: Electrifying rural areas in Madagascar

In Madagascar, the Angovo project relies on decentralized electrification solutions **to improve access to reliable, renewable electricity in rural areas.** It aims to power more than 35,000 households—around 175,000 people—by deploying solar-based mini-grids with a total installed capacity of 8.5 MW. The project also supports local economic development and strengthens the capacity of the national institution responsible for rural electrification, boosting regional development through long-term access to energy. It further contributes to the country's low-carbon transition, avoiding approximately 3,190 tonnes of CO₂ emissions per year.



175 000 people

have access to electricity

French expertise mobilized :
Fondem, IED Consult, Socomec

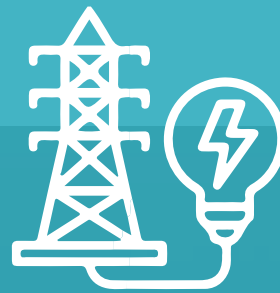
Location : Madagascar



© Photo projet - Angovo

Accelerating universal access to electricity in Côte d'Ivoire

In Côte d'Ivoire, the **Electricity Access and Renewable Power Generation Program (PAEPER)** aims to **expand access to electricity for both urban and rural populations**, helping to reduce regional inequalities. The program has enabled the electrification of 376 rural communities, strengthened and extended power grids in the main cities of 12 regions, and connected 170,000 households, providing more than a million people with access to electricity. The project also includes the rehabilitation of the Buyo hydropower plant, increasing renewable electricity generation by 366 GWh per year. Overall, it contributes to sustainably improving living conditions and access to essential services.



**Over
1,000,000
people**

have access to electricity

French expertise mobilized :
Vinci, Cegelec, Bouygues,
GE Hydro France, Comelex,
Sagemcom, Satelec, Seureca
(Veolia)

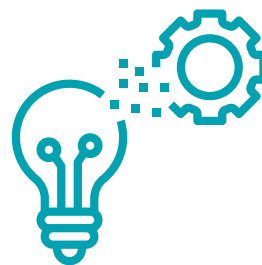
Location : Ivory Coast



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Digitalizing the power grid in Tanzania

In Tanzania, the public utility Tanzania Electric Supply Company (TANESCO) is modernizing the management of its low-voltage grid through digitalization and smart meters. Supported by the Digital Energy initiative and the European Union, AFD has helped organize an innovative public-private partnership between TANESCO and the private company Odit-e. In Moshi, in the northeast of the country, an artificial intelligence module developed by Odit-e analyzes the grid in real time, identifying blind spots and pinpointing non-technical losses. By leveraging data from smart meters, the solution improves infrastructure planning, supports the integration of renewable energy, and enhances the performance of public electricity services.



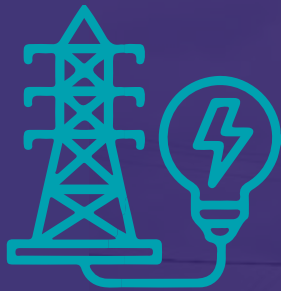
**Between
15% and 50%
of electricity
losses**

detected by digital tools on
certain lines

French expertise mobilized :
Sagemcom (formerly Odit-e)

Location : Tanzania

A national electricity access program

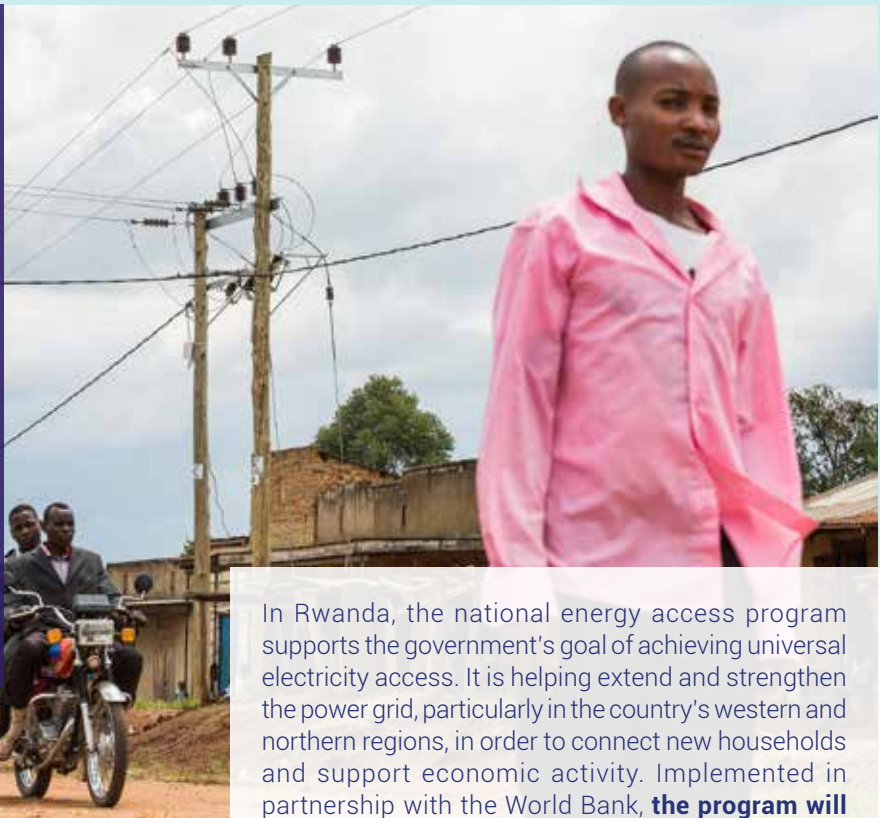


1 000 000
people

have access to electricity

Partners: Republic of Rwanda,
World Bank, Rwanda Energy Group
(EDCL/EUCL)

Location: Rwanda



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In Rwanda, the national energy access program supports the government's goal of achieving universal electricity access. It is helping extend and strengthen the power grid, particularly in the country's western and northern regions, in order to connect new households and support economic activity. Implemented in partnership with the World Bank, **the program will connect some 230,000 households as well as thousands of commercial users.** By improving access to reliable and sustainable electricity, it contributes to social inclusion, local development, and reduced regional inequalities.

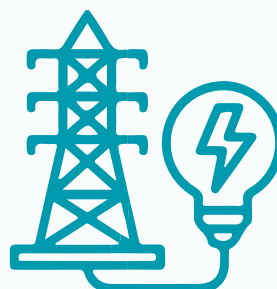
Expanding electricity access in the city of Kabinda

The "Tu Tokeshayi Kabinda" project aims to improve access to reliable, affordable, renewable electricity for the city of Kabinda. Co-financed with the World Bank, the project aims to build solar photovoltaic plants (11 MW) with storage facilities, as well as a modern urban distribution grid. **It will provide green electricity to more than 200,000 residents,** support local economic activity, and power essential public services.

It is also expected to avoid around 4,000 tonnes of annual CO₂ emissions. Besides infrastructure, the project supports the Congolese authorities in strengthening the electricity sector's institutional and regulatory framework. This pilot project aims to develop scalable urban electrification models at national level, supporting economic development and reducing regional inequalities.



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Over
200,000
people

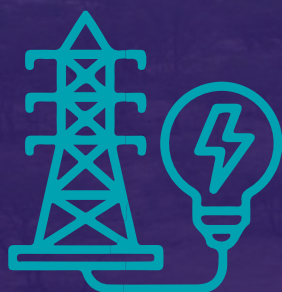
will have better access to
electricity

French expertise mobilized:
Nodalys, Insuco

Location: Democratic Republic
of Congo

Green mini-grids: supplying electricity to remote areas

In Kenya, the Renewable Energy Mini-Grid Access Program helps provide reliable, sustainable electricity to populations living off the national grid. It supports the deployment of mini-grids developed by private operators across several counties. **The program has already enabled the installation of dozens of mini-grids, delivering green electricity to more than 100,000 people, with over 20,000 new connections and 2 MW of installed capacity.** It also helps avoid around 10,000 tonnes of CO₂ emissions per year, supporting the country's energy transition in line with Kenya's goal of achieving universal electricity access by 2030.



Over 100,000 people have access to electricity

French expertise mobilized :
Innovation Énergie Développement (IED)

Location : Kenya

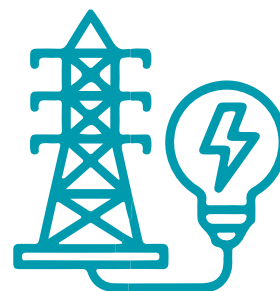
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Improving electricity access and modernizing Senegal's power grid

Senegal has joined the Just Energy Transition Partnership (JETP), alongside France and other international partners. Within this framework, the country aims to increase its share of renewable energy to 40% of installed capacity by 2030, to support a fair energy transition and meet growing demand.

AFD is fully committed to supporting this ambition. As part of this initiative, Senelec is implementing the PADERAU program to expand Senegal's power grid. **The project will provide 200,000 people with access to a reliable power supply, supporting economic development and improving living conditions.** It also covers household connections and indoor electrical installations, ensuring that access to electricity is not hindered by financial obstacles.

To support this expansion, Senelec is also modernizing its management systems. **With support from AFD's Digital Energy facility**, a public-private partnership with Roseau Technologie will deploy **a digital platform to track connections in real time and improve grid planning.** This innovation increases the reliability of Senegal's electricity infrastructure and secures access to power in the long term.



200,000 people

will have access to reliable electricity

French expertise mobilized :
Roseau Technologie

Location : Senegal



For a world in common

AFD Group finances and accelerates transitions to a fairer, safer and more resilient world, by working with its partners to help people everywhere. Drawing on the expertise of its complementary entities – Agence Française de Développement for public financing, Proparco for responsible private investment, and Expertise France for technical expertise – the Group can meet all the challenges of sustainable development.

Operating in more than 160 countries and in Overseas France, the Group adapts its activities to the realities encountered in the field by actively supporting local initiatives. With more than 4,000 projects aligned with the Sustainable Development Goals (SDGs), AFD Group, on behalf of the French people, mobilizes all stakeholders committed to economic development and safeguarding common goods, such as the climate, biodiversity, peace, gender equality and global health. Standing with others, for a world in common.

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