



NETWORK PERFORMANCE
SMART CITY
INTERCONNECTIONS
WIND POWER
DECENTRALISED ENERGY
BIOMASS
HYDRO-ELECTRIC
REGULATIONS
TARIFFS
SOCIAL AND ENVIRONMENTAL RESPONSIBILITY
EMPLOYMENT
INNOVATION
ENERGY SERVICES
SOLAR POWER
GAS
NUCLEAR
TRAINING
DEVELOPMENT



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EDF Group: the world's leading electricity company

1st...

... nuclear operator in the world
... European producer of renewable energies
... national power grid in Europe
... electricity supplier in France
The European market leader in energy services

85% of electricity produced without CO₂

38.5 million customers worldwide

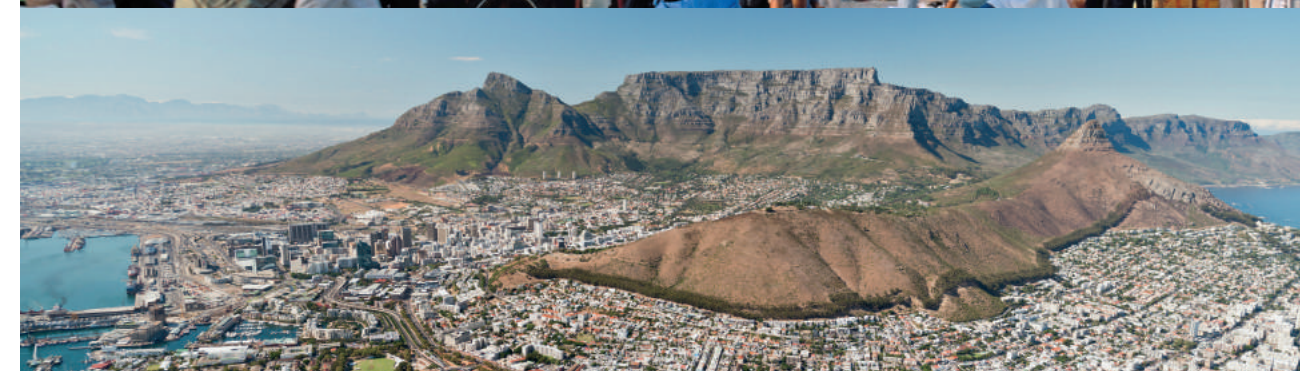
158,161 employees

33 locations

72.9 billion euros in turnover



Africa



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www.edf.com

Present in Africa
for over 50 years,
EDF is by your side to meet
all your energy needs,
from the production
of low-carbon electricity
to bringing lighting
to households.

Producing electricity by promoting your resources

Over 600 million Africans do not yet have access to electricity, the equivalent of half of the continent's inhabitants. Given that Africa currently generates only 2.3% of the planet's CO₂ emissions, the challenge is how to develop electrification without sacrificing this advantage. EDF supports public initiatives to improve the development of electricity within the continent. Through a range of diverse solutions involving the use of hydro-electric, wind, solar, biomass, thermal and nuclear power, the Group favours the most efficient solutions that will produce the lowest levels of CO₂ emissions.

We are particularly keen to help industrial companies to develop their business activity throughout Africa. We do this by proposing energy solutions that meet their needs, but also by seeking to build long-term partnerships with them.



Kathial solar power plant (Senegal)
Training-network operation for SNE (Congo Republic)

OUR CUSTOMERS

- Ministries, public agencies and municipalities
- Public and private companies
- Grid operators
- Electricity producers
- Industrial companies
- Households

Strengthening your infrastructures to develop and improve electricity distribution in Africa

The numerous studies and projects that we have conducted have provided us with deep knowledge of African electricity installations. We help you to develop new lines, to reinforce safety and to improve the performance of your networks. We propose innovative solutions, with a particular emphasis on effectively integrating renewable solutions into your networks or automating your electricity supply systems. The EDF Group also has substantial expertise in reducing commercial and technical losses (customer identification, accounting systems and billing recovery...).

MOROCCO

💧 provision of project management counselling for an EPC contract for building a pumped-storage power station in Afourer (466 MW)

✈️ construction of wind farms in Tétouan (50 MW) and Taza (150 MW, ongoing project)

🔌 investor and operator from 1997 to 2004 for Lydec, the electricity distribution, water supply and drainage agency for Casablanca (4 million inhabitants)

🔌 creation of the transmission – generation master plan up until 2025 and numerous local distribution network master plans

💡 the illumination of buildings (in Casablanca, Essaouira, Rabat-Salé, etc.)

📍 over 160,000 people have access to electricity generated by solar power distributed on behalf of ONEE thanks to Temasol (an EDF-Total subsidiary, ceded in 2011)

SENEGAL

🏢 project management assistance to Senelec for the refurbishment of their power generation assets and training for their trainers

🔌 creation of a national utility load dispatcher

📍 a concession covering a quarter of the country managed by Énergie Rurale Africaine (EDF-Matforce, subsidiary created in 2011): 180,000 people will thus be provided with access to electricity in due course



Rural electrification

BURKINA FASO

🔌 Bobo-Dioulasso-Ouagadougou interconnection (360 km of overhead lines, 7 substations)

🔌 strengthening of power lines, master plan

CÔTE D'IVOIRE

🏢 creation of Ciprel (subsidiary formed with Bouygues, ceded in 2004) to supply three 33 MW combustion turbine generators

🏢 creation of Azito (EDF-ABB-Akfed-Globelec subsidiary, ceded in 2010) to supply two 150 MW combustion turbine generators

🔌 ongoing contracts with CI-Énergies and CIE for planning, engineering, training, remote management of installations, etc.

💧 EDF alongside Sifca develops the most important energy plant powered by palm residue biomass: Biovéa (46 MW)

MALI

📍 220,000 villagers now have access to electricity thanks to Yéelen Kura and Korayé Kurumba (EDF-Nuon subsidiaries, ceded in 2008 and 2009)

WAPP

🔌 feasibility study for a Ghana-Burkina Faso-Mali interconnection

🔌 revision of studies and supervision of work conducted on the Information and Coordination Centre for the transmission systems linking the 14 countries

ALGERIA

💧 participation in a gas production field (Reggane)

EGYPT

🏢 Port-Saïd and Suez: construction of two power plants (2 x 340 MW, ceded in 2006)

🏢 training contract for O&M and operation management for EEHC

🔌 feasibility study for the regional utility load dispatcher for transmission in the Nile Delta

💧 9 permits for the exploration and production of gas (Abu Qir), contributing to approx. 7% of total Egyptian gas production

DEMOCRATIC REPUBLIC OF CONGO

💧 technical and environmental feasibility study for the Inga dam project on the River Congo

MOZAMBIQUE

🔌 study, construction and improvement of infrastructures for the provision of electricity to the provinces of Manica and Sofala

SOUTH AFRICA

🏢 assistance, operation and training for the nuclear power plant at Koeberg (1,800 MW, Eskom)

🏢 recommissioning of units after shutdown and training at the Eskom thermal plant complex; assistance with the commissioning of the Medupi power plant (4800 MW)

✈️ Operation of three wind farms at Grassridge (62 MW), Chaba (21 MW) and Waainek (25 MW), and of one under construction, Wesley (33 MW)

🔌 electrification of the Khayelitsha township in cooperation with Eskom (1995-2004)

💡 installation of low-consumption lighting in one of the surrounding townships in the Nelson Mandela Bay municipality

📍 270,000 people in remote regions of KwaZulu-Natal and the Eastern Cape equipped with photovoltaic kits thanks to KES (an EDF-Total-Calulo subsidiary)



Grassridge wind farm

GHANA

🏢 delegated management contract for the power network operated jointly with Saur (1994-1998)

CAMEROON

💧 together with the Cameroon government, IFC and Rio Tinto Alcan, EDF participates in a project to construct and operate the Nachtigal hydro-electric power plant (420 MW) on the River Sanaga

GABON

💧 ongoing contracts with SEEG (distribution networks and hydro-electric generation)

CONGO REPUBLIC

🔌 technical assistance (including training) since 2013 to improve the performance of the SNE distribution networks

🔌 study for connecting a cement factory (Dangote) to the network

TOGO AND BENIN

🔌 supervision of lines, of substations and of the national utility load dispatcher for CEB (Communauté Électrique du Bénin)



Thermal



Hydro-electric



Nuclear



Wind



Gas



Biomass



Energy services



Networks



Decentralised service and production companies



EDF Location

Assisting you in your projects and transmitting our expertise

Our skills, our values and our references facilitate the financing of projects with stakeholders at the very highest levels (the French Development Agency-AFD, the World Bank, investment banks, investment funds, etc.).

In addition to our technical expertise, we can assist you in fields as varied as the regulation of the electricity sector, tariff structures and company organisation.

Because we are convinced that the success of our shared initiatives depends on the development of skills, we design training programmes specially adapted for you.



Pumped-storage power station at Afourer (Morocco)

Over
500,000
people have access to electricity thanks to EDF.

Supporting you in your efforts to boost development to give access to electricity to the largest possible number of people

As a responsible partner, we have been at your side to invest in sustainable development for over fifty years. We apply our experience to rural electrification projects that promote clean energy, through decentralised service and production companies set up in partnership with local entrepreneurs.