



EDF GROUP CONNECTING OUR ENERGIES



In a changing world

**Because
your expectations are changing,
because tomorrow's electricity needs
will not be the same everywhere,
because
the answers must be low-carbon,
we are working now to create the safe,
clean and competitive energy solutions
of the future.**

EDF is helping set the pace

**EDF is active
at every level of the electricity value chain
and is supporting
the energy transition for its customers
by making the most of its 70 years
of experience and capacity
for innovation.**

A global expertise for tailored and innovative energy solutions

Every company, every city, every building is unique. EDF proposes made-to-measure solutions that support its customers towards the energy transition.

PUBLIC AUTHORITIES – INSTITUTIONS

Are you looking to optimise your local and renewable resources and become more energy independent while controlling investment budgets?

- Advisory and decision-making tools (energy mix, regulation, rates, power systems)
- Independent power plant development and management
- Industrial, financial, public-private partnerships

ELECTRICITY SYSTEM OPERATORS

For the development and O&M of your power grids, EDF can provide extensive expertise with various degrees of involvement and responsibility.

- Master plans: interconnections, integration of distributed energy, etc.
- Design of lines, stations, remotely controlled systems, dispatching
- O&M
- Smart meters, smart grids
- Training

ELECTRICITY PRODUCERS

You have a development project or a plan for repowering? You only want to improve your power generation resources management?

- Consultancy
- Project development and asset management
- Engineering and construction, commissioning
- O&M
- Rehabilitation of generation sites
- Training
- Access to wholesale markets and associated trading products



CITIES

Would you like to make your city or neighbourhood a place where people want to live while developing your local resources and optimising your energy budget?

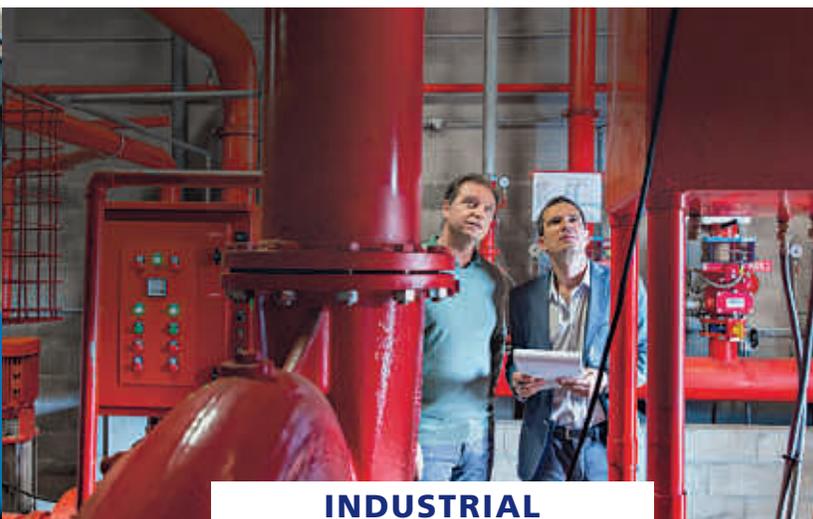
- Distributed energy mostly using renewables: power generation, heating, cooling, cogeneration, CHP, waste to energy
- Smart meters, smart grids
- Smart urban amenities: public lighting, traffic, video protection, etc.
- E-mobility
- Energy urban planning



INDIVIDUALS

EDF tries to help every customer contribute to the energy transition.

- Electricity supply, including renewable
- Advice on efficient consumption
- Mobile applications to track usage, pay bills, etc.
- Smart devices for a smart home



INDUSTRIAL FIRMS

Looking for a partner to help you reduce your energy consumption while ensuring the security of power supply? How to reduce your carbon footprint?

- Audits and advisory
- Optimised utility management
- Waste energy recovery
- Generation from renewable sources
- Power systems and grids
- Energy efficiency in buildings
- Access to wholesale markets and associated trading products

SERVICE SECTOR AND HOUSING

Offices, hospitals, administration, multi-family housing... EDF offers solutions to optimise energy management of your buildings.

- Thermal services
- Management of energy utilities for facilities (steam, cold, fluids, etc.)
- Technical and power management in buildings
- Power systems and grid solutions
- Energy supply



They trust us for their specific needs

Low carbon and renewable power,
power grids, security
of power supply, energy efficiency.



OFF-GRID AREAS AND POWER NEEDS

In the heart of the Amazon forest, the village of Kaw (French Guiana) is located tens of kilometres from the power grid but receives electricity from a solar power plant renovated by EDF (628 photovoltaic panels on about 800 square metres), a backup thermal plant and battery storage capacity.

70%

OF THE VILLAGE'S POWER NEEDS
COULD POTENTIALLY BE MET
WITH ABOUT TWO AND A HALF DAYS
OF STORED SOLAR POWER.



BOOSTING YOUR INDUSTRIAL COMPETITIVENESS!

Bonilait Protéines, a French dairy ingredients manufacturer, opted for a solution combining biomass (wood), solar power and energy recovery. This allows it to enjoy better visibility on future trends in energy costs while reducing the impact of its activities on the environment.

90%

OF HOT WATER NEEDS COVERED BY RENEWABLE ENERGIES

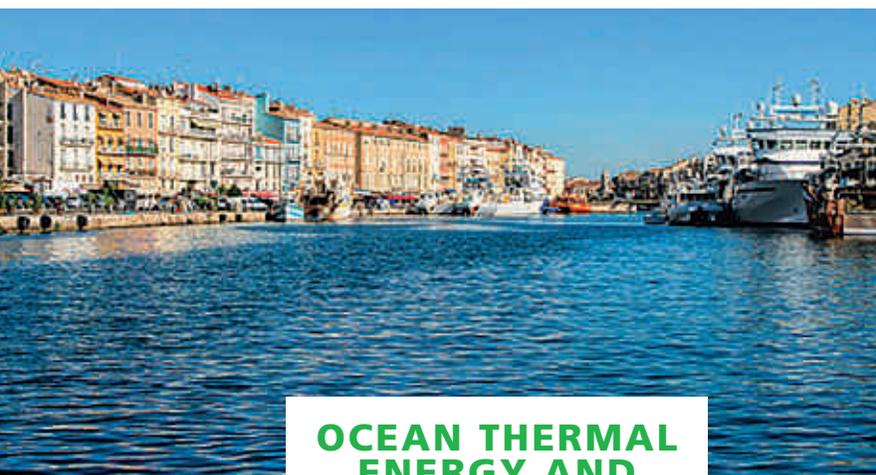
20,000T

OF CO₂/YEAR AVOIDED

EMPOWER YOUR ELECTRICITY NETWORK FOR A STRENGTHENED PERFORMANCE!

The national electricity company of Congo (SNE) called upon EDF to optimise the technical, business and operational performance of its power networks: reduction of technical and business losses, implementation of an emergency plan and master plan.

NETWORK INCIDENTS DIVIDED BY **5** AND HUGE SAVINGS THROUGH A REDUCTION IN FRAUD AND AN INCREASE IN DEBT RECOVERY.



OCEAN THERMAL ENERGY AND SOLAR POWER: AN INNOVATIVE ENERGY MIX

Three seawater heat pumps, combined with 300 square metres of solar panels (photovoltaic and thermal), make it possible to simultaneously produce enough heat and cold air and electricity to cover 84% of the heating energy needs of 105 municipal buildings and three swimming pools in Sète (France).

-29%

REDUCTION IN CARBON EMISSIONS FROM MUNICIPAL BUILDINGS

-51%

FOR THE SWIMMING POOLS



HOSPITALS TRUST US FOR THEIR SECURITY OF SUPPLY

The Flemish hospitals group (215 sites in Belgium) selected EDF to provide comprehensive services, including lowest-price energy supply and a range of services including a 24/7 hotline with intervention guaranteed within four hours in case of an outage. Customers can thus control their energy bills while benefiting from guaranteed security of supply.

Keeping one step ahead

Always developing new and innovative energy solutions empowering digital means and accelerating the energy transition.

VENTEEA

SMART GRID FOR WIND ENERGY

The Venteea project (France) aims to integrate renewable energies into the grid in an economically and technically efficient manner. The EDF's power distribution subsidiary in France has developed new and innovative equipment and software and studied storage solutions as a means of stabilising the network.

NICE GRID

A SMART SOLAR CITY

The Nice Grid project (France) is a smart solar neighbourhood with 1,500 customers using smart meters. The EDF's power distribution subsidiary in France is working there to fine-tune its expertise in demand response and storage solutions to better manage consumption peaks and the numerous distributed solar generation units in use.

A 3D TOOL FOR URBAN PLANNING

EDF has developed a 3D urban simulation platform that is being used by the Housing and Development Board in Singapore to build investment scenarios around concepts like energy efficiency, renewable energy development, smart grids, greening and mobility and evaluate their impact on energy consumption, CO₂ emissions, the environment and costs.

THE DESC

A DIGITAL PLATFORM MONITORING YOUR ENERGY

The Desc (Dalkia* Energy Savings Center) is an integrated platform for supervising in real time energy consumption in buildings and at industrial sites, and correcting any malfunctions observed. 7,000 homes, offices and industrial sites in France are connected to the Desc.

* EDF's energy efficiency services subsidiary.

EDGi

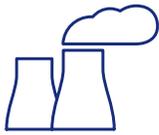
REAL-TIME ACCESS TO ENERGY MARKETS

EDGi* is a platform that enables you to view real-time energy asset data, market pricing, invoices and how your asset is interacting with the wholesale markets. Its customizable reports and data provide insight into an asset's performance which helps you make optimisation decisions. EDGi is also available as a mobile application.

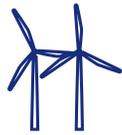
* Developed by the EDF Trading's subsidiary in the USA.

EDF Group the world's leading electricity company

The first...



Nuclear operator
in the world



European
producer
of renewable
energies



Power grid
operator
in Europe



Electricity
supplier
in France



The European
market leader in
energy services

136 GW

OF INSTALLED CAPACITY

28 GW

OF RENEWABLE INSTALLED CAPACITY

105,000 KM

OF TRANSMISSION POWER LINES

38.5 MILLION

CUSTOMERS WORLDWIDE

650€ MILLION

FOR THE R&D BUDGET

85 %

ELECTRICITY CO₂ FREE



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