



EDF GROUP

2010 AT A GLANCE



over 9¹ billion people by 2050

70%² living in cities by 2050

67%³ of world electricity generated with fossil fuels in 2010
Target for 2050 (UN): two-thirds of world electricity carbon-free

1. Source: UN 2009.

2. Source: UN World Urbanization Prospects 2010.

3. Source: Observ'ER 2010.

THE GLOBAL ENERGY CHALLENGE

How do we foster development for billions of people while keeping climate change in check and limiting the use of hard-to-reach – and therefore expensive – fossil resources?

How do we improve living conditions and mobility in increasingly populated cities while protecting air quality?

Our response is twofold: manage energy consumption and develop low-carbon energies.

GENERATION

Nuclear

EDF / Jean-Claude RAOUL



A powerful means of electricity generation that is completely carbon-free, nuclear energy requires great expertise. The EDF Group plans to capitalize on its skills and experience as architect and lead contractor and on its position as the leading nuclear operator worldwide.

Renewables

EDF / Marc DIDIER



Hydropower, biomass, wind and solar power: renewable energies are an alternative to fossil fuels and make a significant contribution to cutting carbon emissions. Most countries promote the use of renewable energies, and EDF has made their development a strategic priority.

Fossil-fired

EDF / Alexandre SARGOS



Gas, coal and oil are set to remain key components of the global energy mix for a long time to come. EDF is investing in these resources and keeping their impact in check.

safety

environment

performance

low-carbon



THE EDF GROUP: PROMOTING SUSTAINABLE DEVELOPMENT

The EDF Group brings together all electricity businesses, from generation to trading and networks. It is also a key player on the natural gas market. The Group delivers low-carbon solutions to its customers, reconciling economic development and climate protection. The leader in France and the UK, active in many European countries, and an industrial operator in Asia and America, the Group is recognized worldwide as a leading quality public service energy provider.

→ Nuclear

No.1 operator worldwide

→ Hydroelectricity

No.1 hydropower producer in Europe

→ Research and innovation

Staff of 2,000

Budget of over one million euros
per day

→ Worldwide presence

158,842 employees around
the world

→ Businesses

Three core electricity businesses:
generation and engineering,
networks, sales and trading



AND ENGINEERING

74.3 GWe of nuclear installed capacity

58 reactors in France, 15 in the UK, 5 in the US

3 reactors EPR under construction with EDF Engineering (France and China)

21.5 GWe of hydropower, 3.3 GWe of other renewable energies (2.7 GWe of wind power)

640 dams in France, 1 large dam on stream in Laos since 2010

34.8 GW of fossil-fired installed capacity worldwide

Top priorities

Nuclear

- Constantly improve safety and radiation protection
- Enhance operating performance
- Manage back-end of nuclear fuel cycle (waste, dismantling)

Renewables

HYDROPOWER

- Constantly improve safety
- Manage impact and distribute water equitably
- Develop hydropower in high-growth countries

ONSHORE WIND POWER

- Promote local acceptance
- Integrate intermittent generation into networks

Fossil-fired

- Protect the air, water and soil
- Improve the generation fleet
- Capture and store carbon

expertise

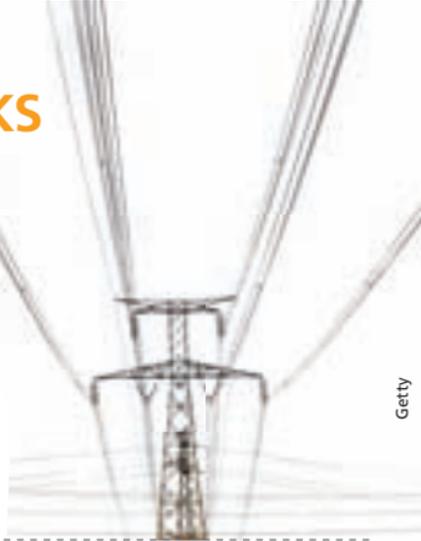
investment

competitive edge



NETWORKS

Electricity cannot be stored and must be delivered in real time, with steady frequency and voltage. Network expertise is therefore essential for power utilities. That is why EDF elected to keep the transmission and distribution networks within its integrated business model. In keeping with European Union regulations, the EDF Group's networks subsidiaries are operated independently.



Getty

100,000 km of high- and very high voltage lines operated by RTE in mainland France

1,300,000 km of medium- and low-voltage lines operated by ERDF in mainland France

33,000 km of lines operated by SSE (49% EDF) in Slovakia

32,000 km of lines operated by EDF Démász (100% EDF) in Hungary

Top priorities

- Strengthen networks in France
- Develop cross-border interconnections
- Integrate intermittent renewable energy generation safely
- Improve quality of supply (continuity, voltage)
- Continue making networks smarter

regions

continuity

supply



SALES AND TRADING

With close to 37 million customers worldwide, the EDF Group's experience in electricity and gas supply across a wide range of regulatory environments is unparalleled. Our goal is to be the utility with the lowest CO₂ emissions from generation through to consumption. In order to consolidate these initiatives, we have combined our sales, marketing, optimization and trading activities into one business line.



Getty/Photodisc, Getty/Flickr

27.7 million customers
in France

5.5 million customers
in the United Kingdom

Leader in the electricity
market in France and the UK

Top priorities

- Offer competitive energy solutions
- Help customers save energy and reduce their carbon footprint
- Offer solutions to vulnerable customers
- Optimize the generation-supply-consumption chain

**energy
efficiency
technologies
assisting
customers**



HUMAN RESOURCES

EDF's industrial success is based on the excellence and motivation of its staff. The Group is promoting skills development to boost performance and meet the expectations of its employees. A dynamic recruitment and training strategy is being implemented to energize professional development.



EDF / Philippe ERANIAN

8% of total payroll for training in France

13,790 hires worldwide

127,332 employees benefited from training in 2010

0.6% salary gap between men and women in France

Top priorities

DEVELOP AND RENEW SKILLS

- Respond to upcoming wave of retirement
- Recruitment, mobility, training

ENCOURAGE EMPLOYEE COMMITMENT FOR THE LONG TERM

- Make health and safety a top priority
- Worldwide corporate social responsibility agreement

MAXIMIZE THE BENEFITS OF DIVERSITY

- Professional equality
- Employees with disabilities

skills

campus

equality

safety



EDF / Philippe ERANIAN

RESEARCH AND INNOVATION

EDF is relying on the power of innovation to meet the world's energy challenges. Generation, networks, customers and energy uses: R&D is improving performance in all Group businesses. Its goal is to accelerate the transition from innovation to industry and the market.



EDF / Philippe ERANIAN

6 sites in Europe

€486 million

EDF R&D budget

More than 200 researchers and teachers in higher education

Top priorities

GENERATION

- Ageing of materials
- Technological breakthroughs in renewable energies

ENERGY DEMAND

- Thorough understanding of expectations
- Energy efficient buildings
- Innovative energy uses

NETWORKS

- Integration of intermittent energies
- Smart grids

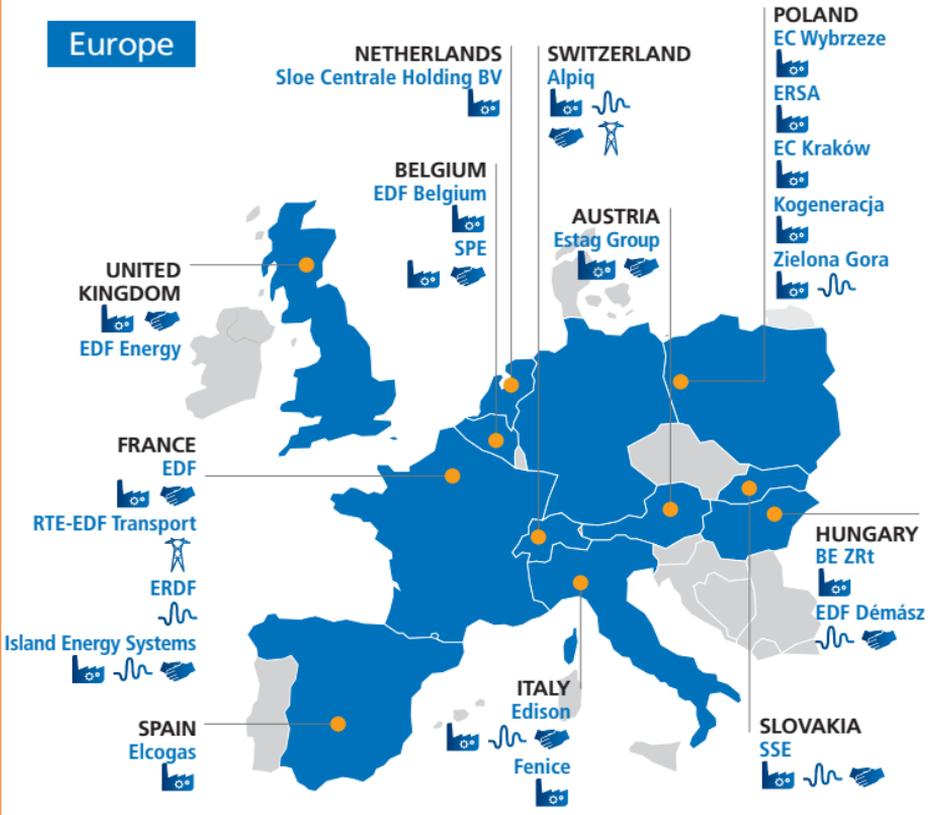
partnerships
expertise
smart cities
smart grids



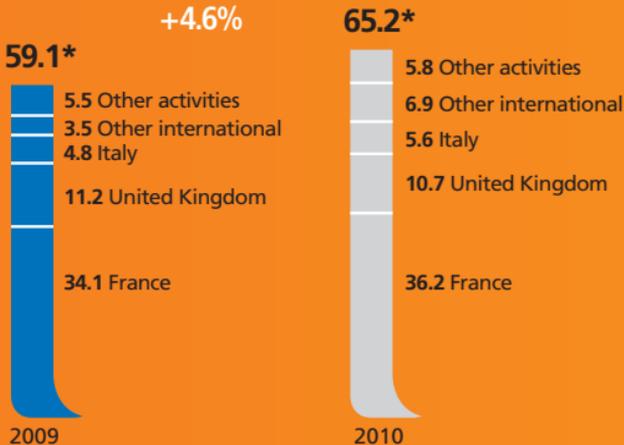
EDF / Lionel CHARRIER

A GLOBAL PRESENCE

A leader in France and the UK and well established in Europe, the EDF Group is capitalizing on its expertise in Asia and America. It is also committed to the development of electricity systems in Africa.

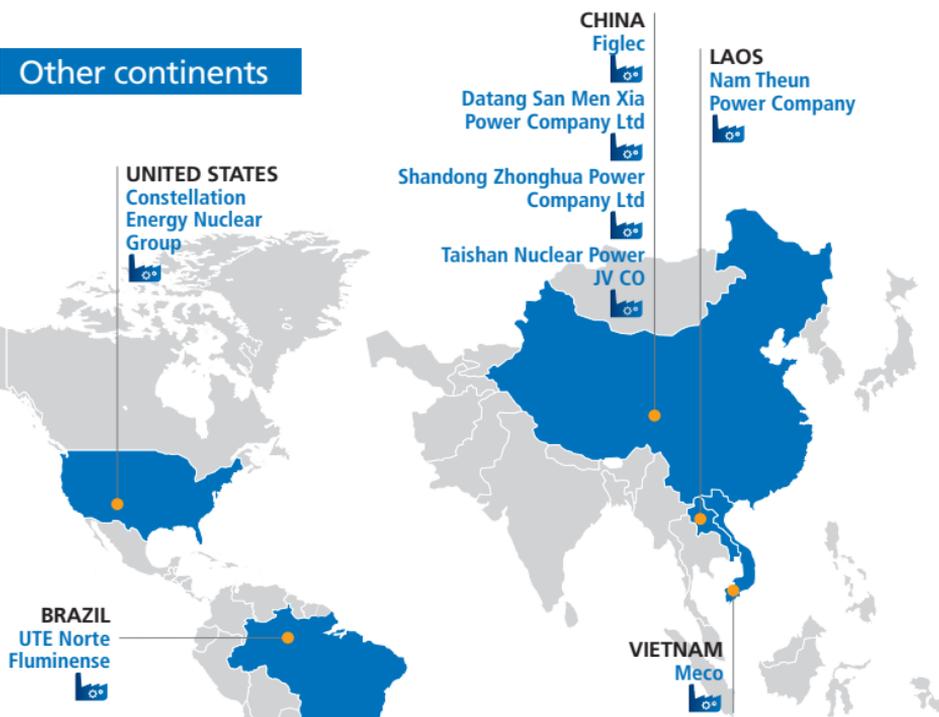


Sales figures 2010
in € billion



*The figures of €59.1 billion and €65.2 billion correspond to the sum of the precise values, corrected to one decimal place.

Other continents



Other businesses

EDF Énergies Nouvelles  

Tiru 

Électricité de Strasbourg  

Dalkia 

EDF Trading 

 Generation

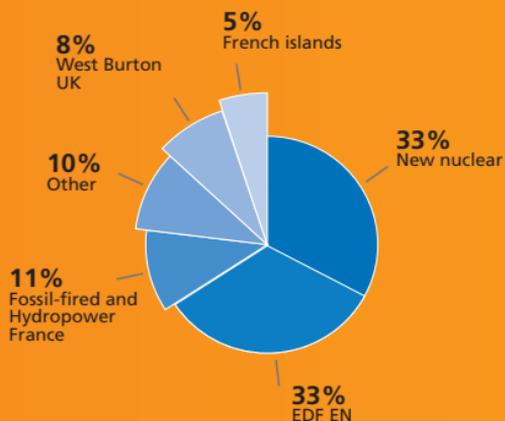
 Distribution

 Services

 Transmission

Capital expenditures

Investments in new generation capacity in 2010



TOTAL
€3.3 bn*

* Main Group projects.

EDF GROUP KEY FIGURES

€65.2 billion in sales

€3.96 billion in net income from
ordinary operations

37 million customers worldwide

630.4 TWh generated worldwide

108.9 g of CO₂ per kWh generated*
worldwide

40.1 g of CO₂ per kWh generated*
in France

158,842 employees worldwide

* Carbon emissions from electricity and heat generation

Consolidated data at 12/31/2010