



EDF GROUP PRESENTATION 2024

THE "RAISON D'ÊTRE" OF EDF

To build a net zero energy future with electricity and innovative solutions and services, to help save the planet and drive wellbeing and economic development.

EDF is committed to creating a net-zero world

Our history, our expertise and our values have forged our conviction that climate change does not mean the end of human progress; that electricity is a realistic and enabling solution to leaving fossil fuels behind and advancing into a zero-carbon future.

Because, once we learn to generate electricity without releasing carbon, it has the power to decarbonise our homes, our transport, our industry, our agriculture, and our towns and cities.

We will always want to travel, to meet up with friends and to warm ourselves.

The more we electrify these habits, the fewer of them we will have to give up. Electricity can deliver maximum impact on our carbon footprint, with the minimum impact on our way of life. Sustainable growth is likewise within our reach, provided that we reconsider what it means.

In the future, electricity will no longer be seen as a commodity, but as a promise: an individual promise to give meaning to our consumption, to make it more controlled, more restrained, to reduce our impact without limiting our well-being; a collective promise to move society toward

net zero, without sacrificing
More responsible growth.

The rôle of electricity has therefore never been more crucial, and EDF's responsibility has never been greater. Over the next few decades, we have the responsibility and the technical, cultural and human resources

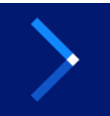
To build a world where carbon neutrality is the way forward for everyone.

An electric world, neutral and positive at the same time.

Our vision is for everyone to live better in an electric world.

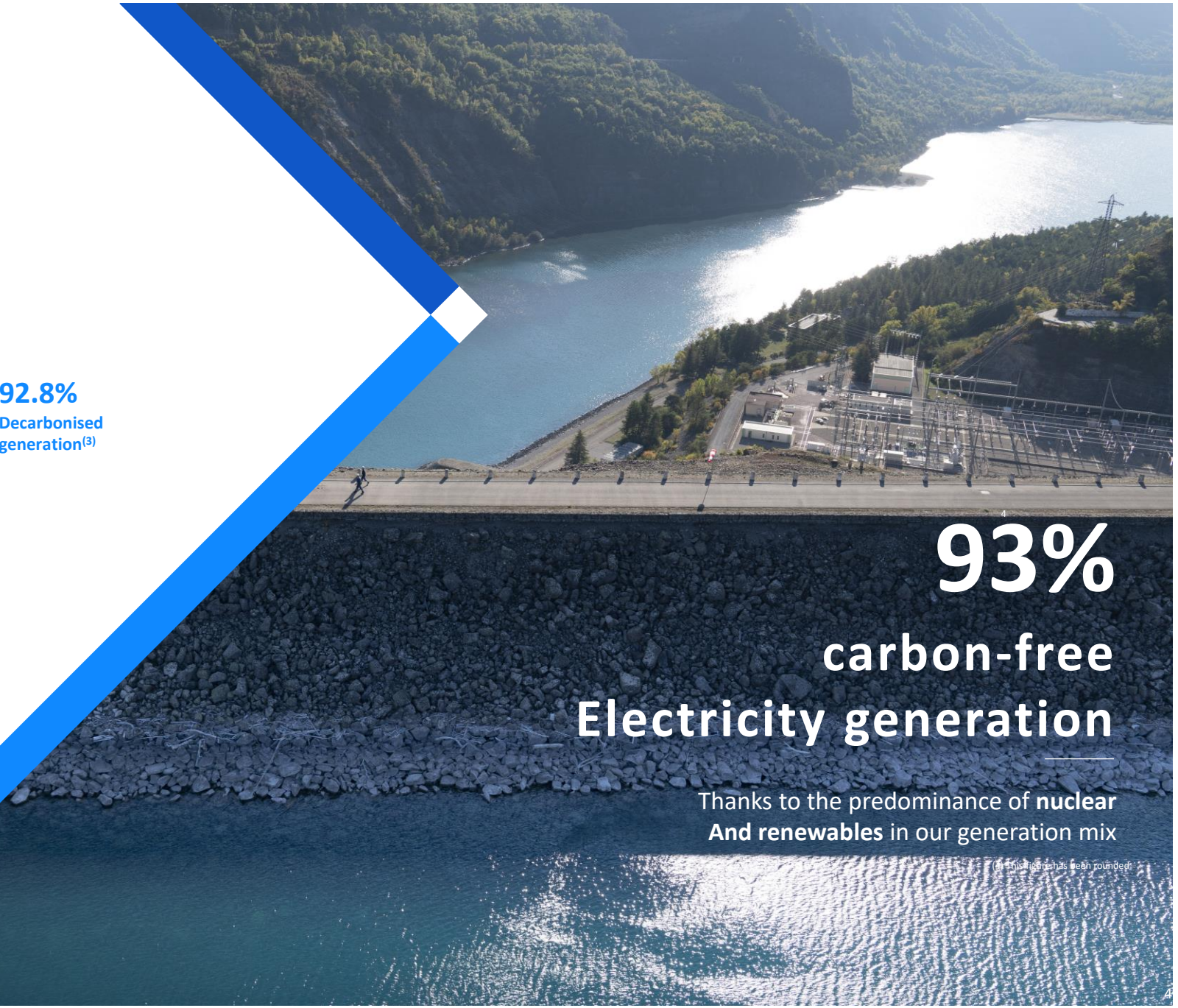
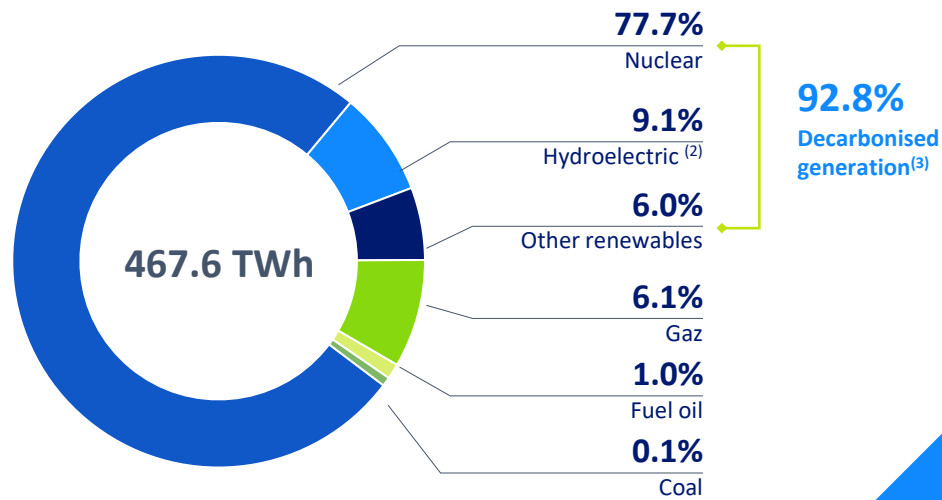
EDF
In 2023





World's leading producer of net-zero electricity

Our generation mix by sector (in TWh, 2023)⁽¹⁾



93% carbon-free Electricity generation

Thanks to the predominance of **nuclear** And **renewables** in our generation mix

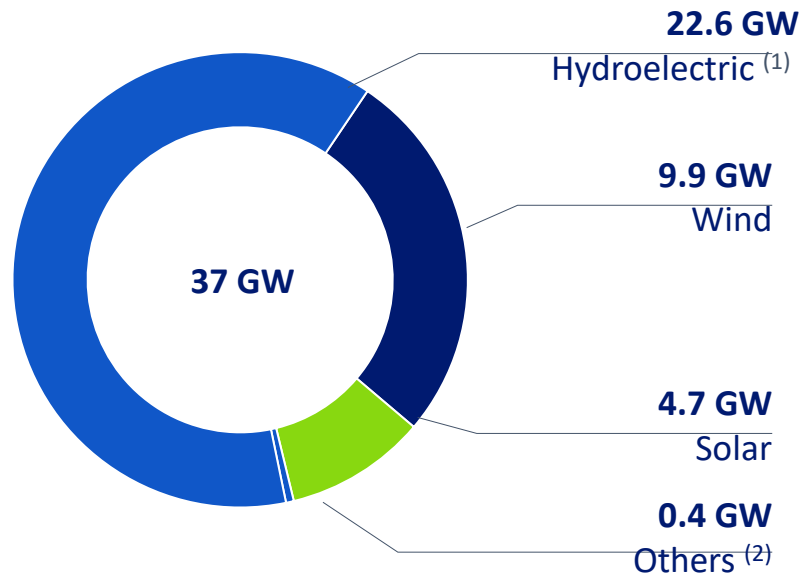
(1) Generation by fully consolidated entities.
 (2) Hydroelectric generation including pumped storage and tidal energy.
 (3) Direct CO₂ emissions linked to generation, excluding life cycle analysis (LCA) of the means of production and fuel used.

Figures have been rounded.



European leader
In renewables

Our renewables generation
mix by sector
(in GW net, at end of 2023)



(1) Including 0,24 GW tidal energy.
(2) Biomass, geothermal.

Europe's leading hydroelectric
generator

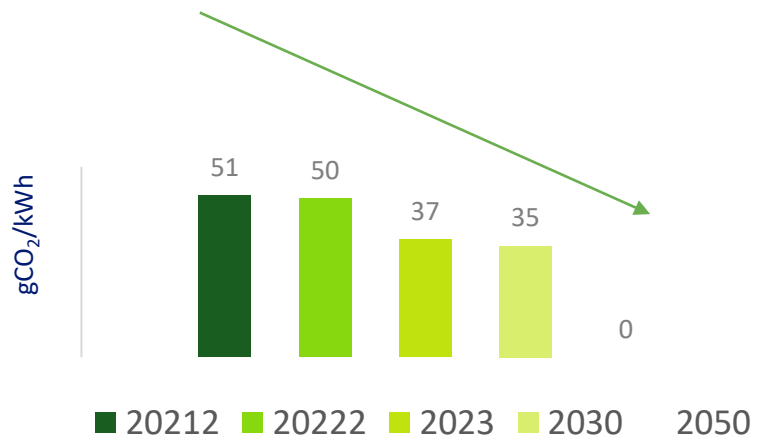
A global leader in
wind
and solar

+ 14% increase in net
capacity in 2023




Toward net zero by 2050

EDF's carbon-intensity trajectory



37g of CO₂/kWh, around
Six times lower
than the average European
electricity generator



Leading the decarbonisation of fossil fuel use

Solutions to decarbonise The most carbon-intensive sectors:

➤ TRANSPORT

- ◆ Supplying carbon-free electricity for electric vehicles
- ◆ Installing charging points on the street, at businesses and in homes
- ◆ Producing and supplying low-carbon hydrogen for heavy goods vehicles

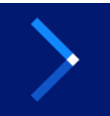
➤ BUILDINGS

- ◆ Urban heating and cooling networks using local renewable or recovered energy
- ◆ Photovoltaic self-consumption and heat pump installations
- ◆ Thermal and energy renovation services for housing

➤ MANUFACTURING

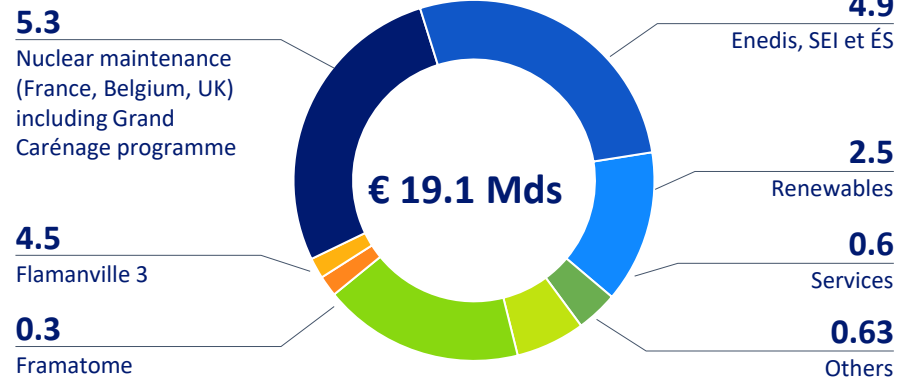
- ◆ Waste heat recovery and high-temperature heat pumps
- ◆ Real-time energy management and optimisation
- ◆ Production and supply of low-carbon hydrogen as raw material in chemical manufacturing (ammonia, methanol, etc.) and hydrocarbon refining





Europe's top investor in energy transition

Group net investment worldwide in 2023
(excl. Planned asset disposals)



99% of our R&D budgets are allocated in accordance with our net-zero trajectory

- ◆ 2,098 R&D employees
- ◆ 6M per year dedicated to research projects to reduce the impacts of production facilities on biodiversity (2022-2025)

Four strategic research priorities

- ◆ **Decarbonise** our customers' consumption with electricity
- ◆ **Improve** performance of the means of production
- ◆ **Invent** the electrical systems of tomorrow
- ◆ **Accelerate** digital transformation





Four major markets and a multi-business international presence

179,550

employees

in almost 30 countries
on 5 continents

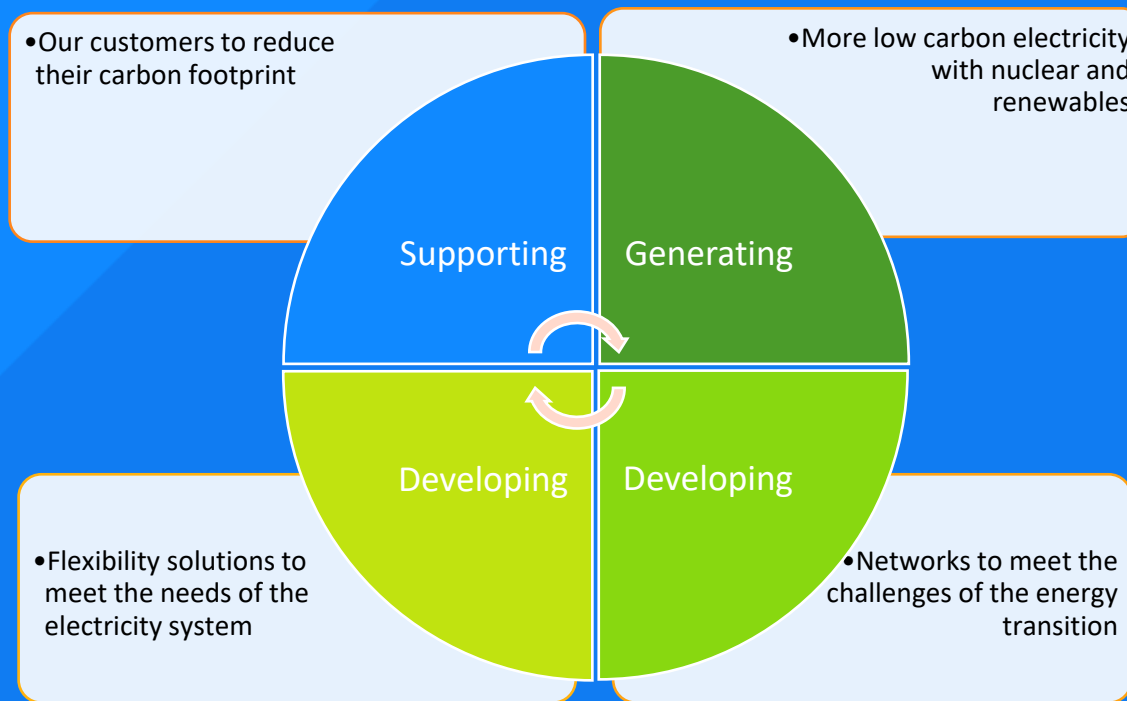


OUR ACTION
TO BUILD
A NET-ZERO
ENERGY
FUTURE



PRIORITY 2035

Industrial and human challenges for all of the Group's business lines, in France and internationally.



Five industrial plans to further energy transition



With the Electric Mobility Plan, launched in October 2018, the EDF group aims to be a leader in the supply of electricity for electric vehicles in its four largest European markets (France, the United Kingdom, Italy and Belgium). At the end of 2023, nearly 340,000 charging points had been deployed. Lastly, for its own fleet of light vehicles, EDF is rolling out the EV100 programme and gradually converting its thermal vehicles to electric vehicles with a target of 100% by 2030.



Through the Storage Plan, launched in 2018, the EDF group plans to develop 10GW of new storage facilities worldwide by 2035, increasing the Group's storage capacity to 15GW by that time. The EDF group is aiming to develop a portfolio of 1 million off-grid kits by 2030. Storage is a key factor in stabilising network frequency, encouraging the inclusion of renewable energies, and managing microgrids in non-interconnected areas. It will be developed by using hydro pumped energy transfer stations and batteries.



Through the Solar Plan, which was launched in 2017, the EDF group aims to become the leader in photovoltaic solar power in France with 30% of new capacity built between 2020 and 2035.



2023 was the year of the consolidation of the excell plan launched in spring 2020 to enable the French nuclear industry to restore the most stringent standards and the highest levels of quality and excellence to be at the forefront of major nuclear projects. In the new context of nuclear recovery, the challenge of this plan is to enable nuclear power, a low-carbon energy, to continue to fully play its role in the fight against global warming.



Through the Hydrogen Plan, launched in April 2022, EDF aims to secure a leading position in Europe in the generation of 100% low-carbon hydrogen, using low-carbon electricity from the grid, nuclear or renewable sources. EDF's ambition is to contribute to the decarbonisation of industry and heavy transport (including the maritime and aviation sectors via e-fuels).

16 commitments to reduce our impact

Impact issues



Wellbeing and solidarity

- ◆ Health and safety for all
- ◆ Ethics, compliance and human rights
- ◆ Equality, diversity and inclusion
- ◆ Energy poverty and social innovation



Carbon neutrality and climate

- ◆ EDF's ambitious carbon trajectory
- ◆ Carbon offset solutions
- ◆ Adapting to climate change
- ◆ Developing electricity use and energy services



Responsible development

- ◆ Dialogue and consultation with stakeholders
- ◆ Responsible development of local areas
- ◆ Development of industrial sectors
- ◆ Responsible digital development



Protecting the world's resources

- ◆ Biodiversity
- ◆ Responsible land management
- ◆ Integrated and sustainable water management
- ◆ Waste and circular economy



EDF is the first major French company to have calculated its #impactscore, a framework that allows a business to fully map its impact.



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