A GLOBAL EXPERTISE FOR BESPOKE AND INNOVATIVE ENERGY SOLUTIONS

Every territory, every city, every building is unique. EDF proposes tailored solutions that support its customers towards the energy transition.

**Urban planning**
Consultancy for planning and simulation using innovative and bespoke decision making tools, allowing to choose robust and scalable technical, environmental and economical solutions.
- **20** French cities using the EDF energy planning approach
- **Up to 50%** of potential energy saving

**Renewable energy**
Design, build and operate cities renewable energy resources: solar, wind, geothermal, biomass, hydropower and waste-to-energy power plants. Reduce environmental footprint, enhance local resources, manage energy costs, promote local business.
- **over 15,000** PV installations for individual clients
- **over 900** PV installations for enterprises and local authorities

**Smart grid**
Plan, design, build and operate power networks (renewable energy integration, forecasting and simulation, smart metering system, demand side and energy data management, electrical vehicle charging stations...). Remote control operating, local balance optimisation, asset management improvement.
- **35 million** of smart meters installed in France by EDF (2015-2021)
- **329,000** renewable energy generation units connected to the grid operated by EDF

**Smart thermal grid**
Design, build and operate reliable and affordable district heating and cooling networks to provide renewable and local energy to various customers (public, commercial, industrials, housing...), including waste to energy solutions. Enhance low carbon and local renewable energy, optimise investment and security of supply.
- **350** district networks managed
- **2 million** housing units heated

**Electric mobility**
Services related to electrical vehicle charging stations (EVCS) and infrastructure for electrical public transport: design studies, installation, EVCS supervision software, remote technical and commercial operation. Flexible solutions (multi-protocol suitable).
- **2.5 million** of street lighting points managed
- **Up to 40%** of building energy savings thanks to performance monitoring

**Urban electrical equipment**
Smart urban services based on public lighting, traffic signals and light radars, lighting for heritage buildings, Wi-Fi, video surveillance, electric vehicle charging, air quality, monitoring, etc.
- **Discover how we help Albuquerque to improve energy efficiency and public safety**
- **3 million** of street lighting points managed

**Smart city platform**
Digital energy management systems to monitor, control, optimise and maintain urban equipment in real time based on big-data processing tools (smart grids, building energy efficiency, public lighting, video surveillance, mobility, etc.).
- **Discover how to secure energy savings in a ski resort housing**
- **87,000** energy installations managed by EDF

**Building energy management**
Energy savings for reduced energy bills, guaranteed comfort, security of utilities supply (emergency power, cold, heat...), reduction of environmental footprint.
- **87,000** energy installations managed by EDF
- **2,000** healthcare establishments and 14,000 schools and leisure centres
- **21.9 million** m² of equivalent-dwelling

**Discover our references worldwide**
Discover our references in the Chinese city of Sanya
Discover our all-in-one charging and billing solution Ubiricity
Discover Muse®, the collaborative urban space management platform
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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 active at every level of the electricity value chain and is supporting cities and all urban players towards the energy transition by making the most of its seventy years of experience and capacity for innovation.

...AND CONNECTED CITY...