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2017  
key  
figures  
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## A leading player

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# Editorial

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Rarely has an economic sector undergone such profound changes at such a rate. The energy revolution unfolding before our eyes is primarily the result of a radical change of attitude, brought about by the climate emergency. It is becoming a reality through technological innovations: the application of digital technology in the energy sector, and the expansion of renewable energy.

This revolution is transforming economic models and traditional activities. At the same time, it is a fundamentally positive movement, designed to meet the challenges of both climate change and universal access to energy. It also represents a fantastic source of opportunities for ENGIE.

ENGIE's ambition is not only to adapt to this new world, but to become a leader and pioneer in it. Our long-standing positions in activities at the heart of the energy revolution, our investments in future technology and the mobilization of our teams around the transformation plan launched in 2016 are all assets in achieving this objective, for the benefit of our clients and society as a whole.

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**Isabelle Kocher**

Chief Executive Officer of ENGIE

# A leading player

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153,090

employees around  
the world

Revenues of

€66.6bn

in 2016

Business activities in

70

countries

€16bn

in growth  
investments  
over the  
period 2016-2018

A

€50M

fund dedicated  
to access to energy

23M

supply contracts  
in gas or electricity

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ENGIE's development strategy revolves around responsible growth to take on the major challenges of an energy and ecological transition towards a low-carbon economy: access to sustainable energy, climate-change mitigation and adaptation, security of supply and the rational use of resources.

The Group designs comprehensive energy solutions with individuals, cities and businesses based on the production of renewable or carbon-light electricity, the supply of carbon-free natural gas as well as technological and digital innovation.

Listed in Paris and Brussels (ENGI), the Group is represented in the main indices, both financial (CAC 40, BEL 20, DJ Euro Stoxx 50, Euronext 100, FTSE Eurotop 100, MSCI Europe) and CSR (DJSI World, DJSI Europe and Euronext Vigeo Eiris - World 120, Eurozone 120, Europe 120, France 20, CAC 40 Governance).

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#energy  
#renewable  
#carbon-free

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112.7

gigawatts of installed power-production capacity,  
of which **19.5%** in renewable energy

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5.2

gigawatts of power-production capacity under construction,  
of which **29%** in renewable energy

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506.2

terawatt-hours of power generated in 2016,  
inc. **82.6 TWh** of green electricity



One of the first commitments of COP21 is to halve current levels of global CO<sub>2</sub> emissions (to **20 billion tons** per year) by 2040. Emission-free electricity could then account for **80% of the global mix**. Available evenly around the world, renewable energy offers enormous potential for development at the regional level, owing in particular to their increasing profitability and ever more efficient storage systems.

ENGIE operates **750 plants** around the world that use the most carbon-light energy sources available, such as hydropower, onshore, offshore and floating wind, photovoltaic and thermal solar, onshore and marine geothermal, biomass, biogas and marine energy. In 2016, they provided more than **500 terawatt-hours** of power and heat, the equivalent of Canada's total annual consumption.

In order to further reduce the carbon footprint of its activities, ENGIE chooses to rely on responsible funding methods. A **€2.5 billion** green bond issue in 2014 enabled the Group to launch **77 projects** centered around renewable energy, energy efficiency and the preservation of natural resources. A second loan was launched in early 2017, in the amount of **€1.5 billion**.

# #gas #synergy #infrastructure

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## No.1

natural-gas distribution network in Europe

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## 11M

French households equipped  
with Gazpar smart meters by 2022

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## 58%

of the electricity produced by ENGIE  
and supplied to its customers sourced from gas



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The energy transition and the climate challenge have given natural gas a key role in the global energy mix in dealing with the projected **30% increase in energy demand** by 2040. Its flexibility of use, its competitive price and its environmental benefit make it an effective and credible substitute for coal and oil, and the perfect additional source of renewable energy.

ENGIE is the **No.1 operator of gas infrastructure** in Europe, where it operates the **1<sup>st</sup> distribution network** at close to **200,000 km** long. Its development of next-generation biomethane, green hydrogen and retail LNG opens up new prospects for gas distribution, electricity storage and road, river and sea transport.

The Group supplies millions of private, industrial and service-sector customers around the world, to whom it delivered **100 bcm** of natural gas in 2016, equal to Mexico's consumption. It offers solutions combining natural gas and electricity to the residential market and multi-energy and multi-site solutions to large industrial groups. In total, ENGIE has **23 million** gas or power supply contracts in **12 countries** and hopes to raise this figure to **30 million** by 2020.

#global solutions  
#energy efficiency  
#services

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€1bn

of investments in digital and emerging  
technology over the period 2016-2018

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€115M

dedicated to financial backing  
of innovative start-ups

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250

urban heating and cooling networks  
operated in **13** countries



Since the emergence of the Internet of Things in 2008, the digital economy has seen its potential increase tenfold. By the end of 2017, more than **8 billion sensors** and connected terminals will be installed in homes and businesses worldwide for a total cost of **\$1,700 billion**. In 2020, the number of connected devices – such as smartphones, televisions, digital set-top boxes, energy measurement sensors and security cameras – is expected to reach **50 billion**.

Now **80% dependent** on hydrocarbons, the world's energy infrastructure is transforming into a more decentralized, digitized, low-carbon system. Smaller structures and interconnected networks will allow production and local energy demand to be adjusted in real time and, for all players, bills will be lower. The transport, construction and industrial sectors will reduce their carbon footprint by focusing on bioenergy, less energy-intensive products and services, and the sparing use of energy in buildings and by equipment.

As a supplier of integrated and innovative services for professionals and private customers in the fields of comfort and energy management and production, ENGIE also offers green and smart mobility solutions focused on digital technology, alternative fuels and eco-friendly transport. The Group has identified **6 strategic focus areas** as drivers of positive and responsible innovation: sustainable mobility, decentralized energy, connected buildings, territories, hydrogen and energy storage.

# Societal objectives for 2020

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## Customer satisfaction

85%

satisfaction rate among private customers

## Dialogue and consultation

100%

of industrial facilities supported by inclusive, open dialogue with stakeholders

## Renewable energy

25%

renewable capacity within the power-production base

## Diversity

25%

of the total workforce comprised of women

## Climate

-20%

CO<sub>2</sub> per kilowatt-hour of power and associated heat production compared to 2012

## Health and safety

A work-related accident frequency rate of

<3

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The consideration of environmental and societal issues by all public and private players is a precursor to real economic and social progress for future generations. Indeed, investments in new production and consumption methods hold much promise with regard to jobs and prosperity for the global economy.

ENGIE exercises its Corporate Social Responsibility by ensuring that it is heavily involved in the local ecosystem across all the territories where it is present. Its objective is a long-term commitment to stakeholders, including civil society organizations, based on the co-construction of responsible offers and solutions to meet specific needs and expectations and share the value created.

For many years, the Group has been committed to enhancing diversity among its personnel at all levels. ENGIE's Board of Directors is **56% female** and **3 of the 12 members** (25%) of the Executive Committee are women. Among its key communities, the WIN women's network has **1,800 members in 20 countries**.

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# A long-standing industrial heritage

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ENGIE is the heir of industrial companies that have helped society meet its evolving needs for close to two centuries

- 1822** Société Générale des Pays-Bas
  - 1858** Compagnie Universelle du Canal Maritime de Suez
  - 1880** Société Lyonnaise des Eaux et de l'Éclairage
  - 1895** Compagnie Mutuelle de Tramways
  - 1946** Gaz de France
  - 1986** Tractebel
  - 1990** Electrabel
  - 1997** Suez Lyonnaise des Eaux
  - 2000** International Power
  - 2001** SUEZ
  - 2008** GDF SUEZ
  - 2009** Cofely
  - 2015** ENGIE
-

The present document was produced by an eco-responsible printer on paper of certified origin. It is available at [library.engie.com](http://library.engie.com) where all the Group's publications can be consulted, downloaded or ordered.

Unless stated otherwise, all figures are given as of December 31, 2016. They reflect 100% of the capacity of the assets held by the Group, regardless of the actual holding rate.

External sources: International Energy Agency, Bloomberg New Energy Finance, Cisco, Gartner, Irena.

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1, place Samuel de Champlain  
92930 Paris La Défense – France  
Tel. +33 1 44 22 00 00  
[engie.com](http://engie.com)

