

The logo for ENGie, featuring the word in a stylized, rounded font. The 'e' is lowercase, while 'NGie' is uppercase. The background is a gradient of blue with a subtle sunburst pattern at the bottom.

ENGie

ENGIE Activities and key figures

Energy Services

No.1

energy efficiency services
provider worldwide

No.3

seller of natural gas in Europe

No.7

power supplier in Europe

228 urban cooling and heating

networks in **13** countries

140 million

m² managed in the services sector

22 millions

energy contracts, companies and services

Electricity

No.1

independent electricity producer
in the world

117,1 GW of installed
electricity production capacity

8,1 GW of electricity production
capacity under construction

21,5 GW of installed
renewable energy production capacity, i.e.

18,3% of Group facilities

NATURAL GAS & LNG

No.1

seller of gas storage capacity in Europe

No.2

gas transmission network in Europe

No.1

gas distribution network in Europe

No.5

LNG portfolio in the world

No.1

importer of LNG in Europe

No.2

Largest gas terminal operator in Europe

a LNG supply portfolio of

245 TWh from **6 countries**

a fleet of **14 LNG tankers**
inc. **2 regasification vessels**

* source: Integrated Report 2016

OUR VISION: a world moving toward energy revolution



A LOW CO₂ ENERGY MIX



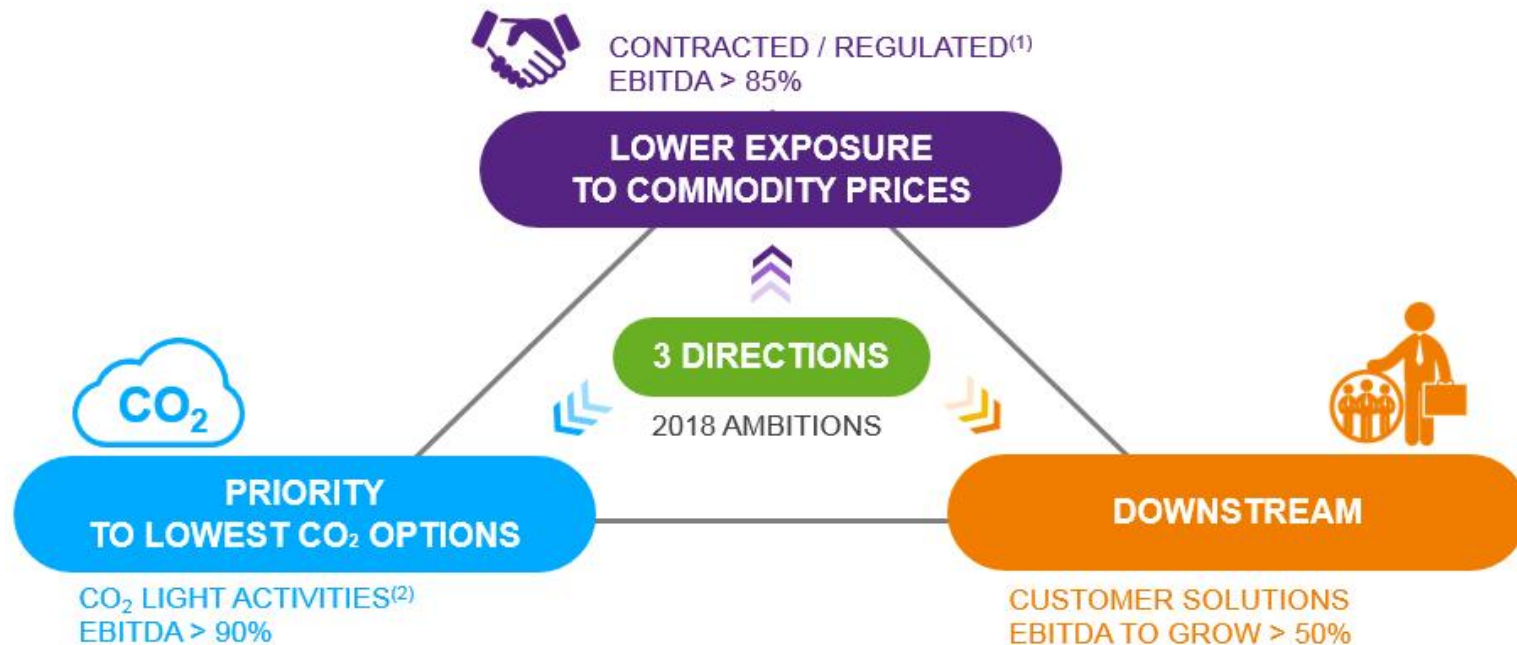
**A TECHNOLOGICAL
AND DIGITAL REVOLUTION**



**SOCIAL AND CULTURAL
TRANSFORMATION**

Redesign and simplification of our portfolio

TOWARDS 3 STRATEGIC DIRECTIONS



ENGIE is an actor of the energy revolution around the Mediterranean

Main presence on the Mediterranean:

- ALGERIA
- EGYPT
- FRANCE
- GREECE
- ITALY
- MOROCCO
- PORTUGAL
- SPAIN
- TUNISIA
- TURKEY

Sectors :



Gas Value Chain



Centralized production of
renewable and thermal
power



B2T Decentralized solutions
for cities and territories







B2B Solutions



B2C Solutions

Engie has set up a new organization with a separate Africa BU

Power

-  Thermal plant
-  Onshore wind farm
-  Solar PV farm
-  Concentrated solar power (CSP) farm

Natural gas

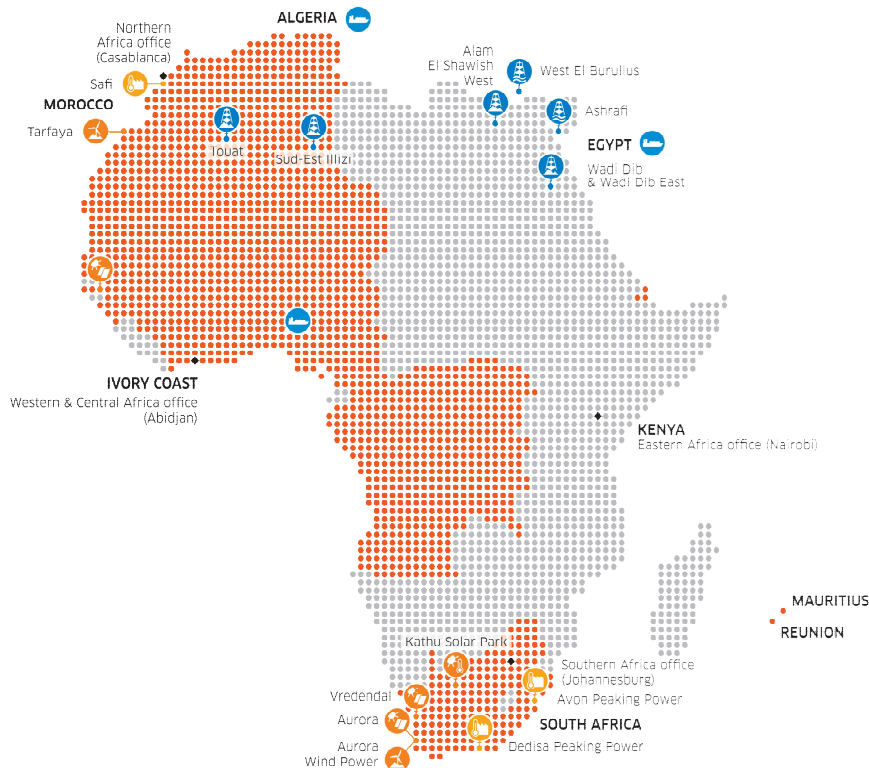
-  Offshore exploration & production
-  Onshore exploration & production
-  LNG activity

Energy services

-  Presence of ENGIE

Offices

-  Local office



The Mediterranean is a crossroad for opportunities

- A real potential for **electrical interconnection** between all the countries around the sea
 - **HVDC** (High Voltage Direct Current) electrical transportation reduction cost.
- The “Energy Revolution” is offering an opportunity for cooperation for Mediterranean countries and greater self-reliance
 - **Abundant RES** around the Med : solar, wind, hydro...-> new technologies, sinking costs, TWI
 - **Energy efficiency**-> self financed investments
 - **Digital**, Smart Grid, Smart Cities

Engie is positioned for the Energy Revolution

- **Engineering** : helping governments and multilateral organization to design master plans, execute detail engineering, Smart cities, Smart Mobility (Tractebel)
- **RES**: Experience of wind and solar projects in Morocco and Egypt & extensive experience worldwide
- **Energy Efficiency** : Evolving legal framework around the Mediterranean Sea, offering opportunities

Morocco

- ENGIE develops power generation from both thermal and renewable energy in the country:
 - Tarfaya wind farm and Safi thermal power plant
 - Through LCV Morocco: development of 2 wind farms totaling 60.6 MW
 - Noor , hybrid PV&CSP under Masen 's RES program

Egypt

- Development of several wind, PV and CSP opportunities: Gulf of Suez (250 MW wind), Ras Ghareb (2 x 50 MW wind), Benban (2 x 50 MW photovoltaic), West of Nile (wind, PV and CSP)

How will the energy revolution impact regional and sub regional electricity systems ?

- Interconnections will have to be smart and integrate fluctuating RES, decentralized generation and increasingly smart energy consumption (digital, demand side management,...)
- Clear national policy orientation in favor of RES and energy efficiency consistent with INDC and COP 21 & COP 22 and EU supported.
 - Morocco : Reduction of greenhouse gases emissions by 13% to 19%, by 2030
 - Algeria : Reduction of greenhouse gases emissions by 7% to 22%, by 2030
 - Tunisia : Reduction of greenhouse gases emissions by 13 – 28 %, by 2030
 - Libya : No INDC submitted
 - Egypt : **No** quantified GHG **target**



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