



ENGIE & THE ENERGY TRANSITION

Charlotte Roule, ENGIE China CEO

Changsha, October 24, 2018



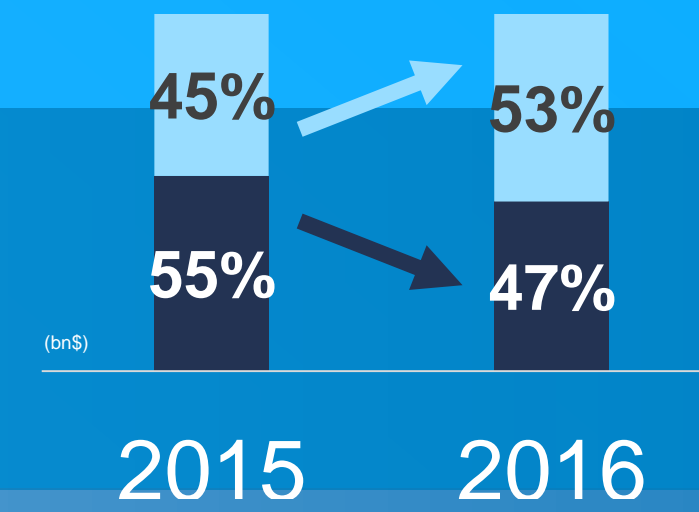


GLOBAL WARMING

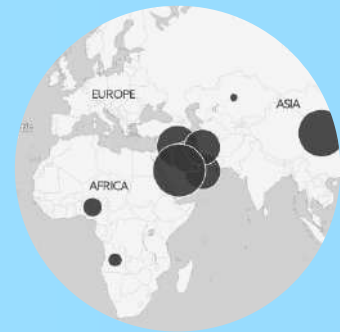
Global increase of temperatures:
+1°C/year on average since 1980



In 2040, gas & renewables&efficiency will meet majority demand (Source : IEA)

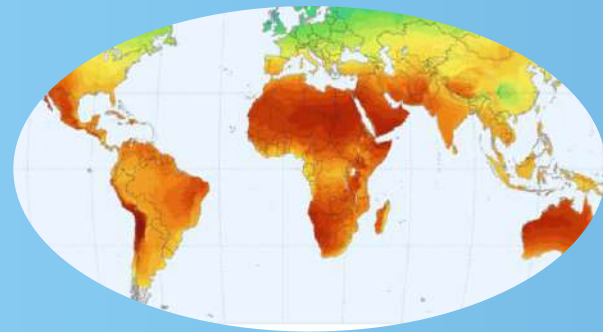


In 2016, investments in renewable sources of energy exceeded investments in fossil ones (Source : IEA)

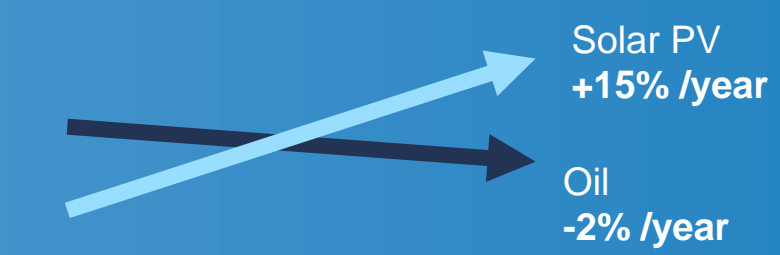


GEOPOLITICS

Increasing energy dependence of emerging countries



65% of solar production will come from emerging countries by 2030 (Source : IEA)



Power production mix excluding OECD countries (Source : IEA)



ACCESS TO ENERGY

1.2 bn people in the world have no access to energy



Flexible local production solutions allow for massive acceleration



71% of new connections shall be realised through decentralised solutions, to allow for access to energy for all by 2030 (Source : IEA)

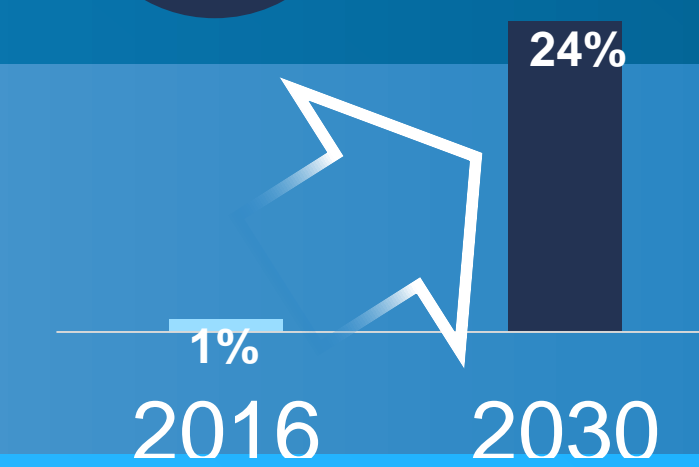


QUALITY OF LIFE

9 people out of 10 live in cities where air quality does not comply with WHO criteria



Green mobility helps shaping sustainable cities



Global light vehicle market: EV market share (Source : Bloomberg)

Ever greener power



Active consumers, asking for integrated solutions

Ever greener gas



ENGIE TRANSFORMATION PLAN 2016-2018

DISPOSALS



15.0 bn€



P/E disposals ~25
Vs P/E ENGIE ~14

INVESTMENTS



14.3 bn€



RoI > WACC+2

INNOVATION



1.5 bn€

10 digital platforms
under
development

EFFICIENCY & AGILITY



1 → 1.3 bn€



	2015	2017
RECURRING NET RESULT, GROUP SHARE	2,6 Mds€	2,6 Mds€
NET RESULT, GROUP SHARE	-4,6 Mds€	1,4 Mds€
DECARBONISED <small>LOW-CO₂ ACTIVITIES EBITDA SHARE</small>	75%	91%
STRONG ORGANIC GROWTH POTENTIAL <small>EBITDA ORGANIC GROWTH 2015 VS 2014 / 2017 VS 2016</small>	-9%	+5%
BETTER PROFITABILITY <small>ROCE</small>	6,5%	7,2%
ROBUST FINANCIAL STRUCTURE <small>NET DEBT</small>	27,7 Mds€	20,9 Mds€
IMPROVED RISK PROFILE <small>REGULATED / CONTRACTED EBITDA SHARE</small>	70%	89%

**HELP OUR CLIENTS TO IMPROVE
ENERGY USAGE AND BUILD
BETTER PLACES...**



**... PRODUCE AND
DISTRIBUTE EVER
GREENER ENERGY**

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MATURE, LARGE-SCALE ACTIVITIES



24m clients
#1 green offers in France

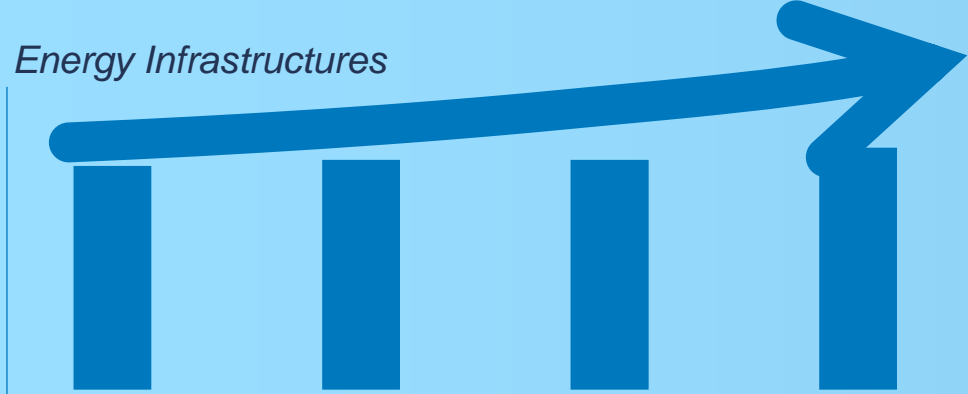


#1 in the world
Leader in 10 countries



#1 District cooling in the world
#4 District heating in the world

PRODUCE AND DISTRIBUTE EVER GREENER ENERGY



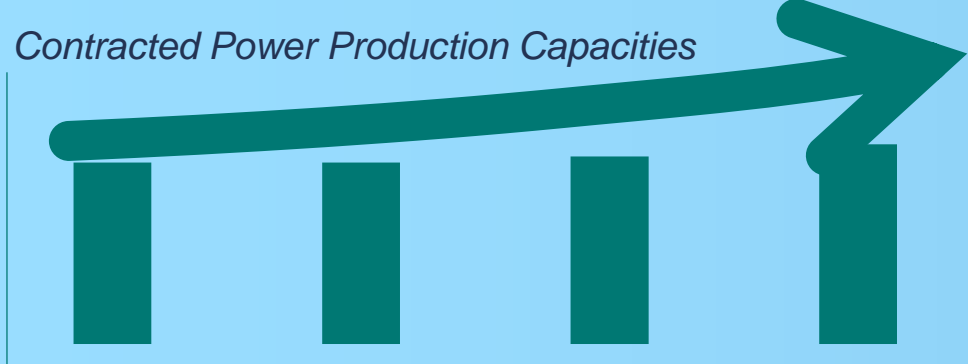
#3 gas storage in the world



Europe : #1 distribution network
Global : 295 000 km of pipelines



International Projects



Natural Gas Capacities: 55GW
Coal Capacities: 6GW



Capacities : 16GW
2d producer in France
1st private producer in Brazil

24GW
+1GW en 2018



#1 solar / wind in France
#1 non-Indian player in India



>6GW nuclear capacities

2015 2016 2017 2018

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PRODUCE AND DISTRIBUTE EVER GREENER ENERGY

EMERGING ACTIVITIES

Green Gas



Production embedded in buildings



Storage



Digital



Green Mobility



Hydrogen



Micro-grids

5% organic growth

