

ESG Presentation

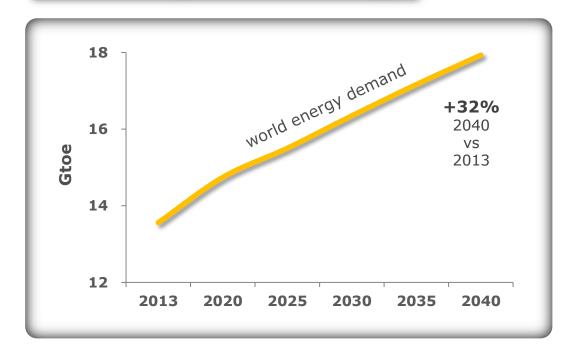
Developing sustainable energy: Eni's Integrated Model

Paris, 30 September 2016

eni.com

Two main challenges for the future

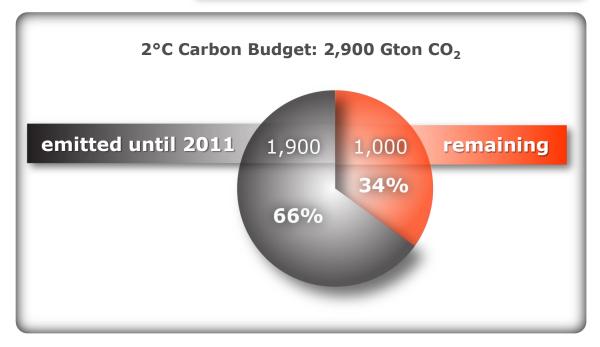
Maximising access to energy



1.3 billion people without access to electricity

2.7 billion cooking with biomass

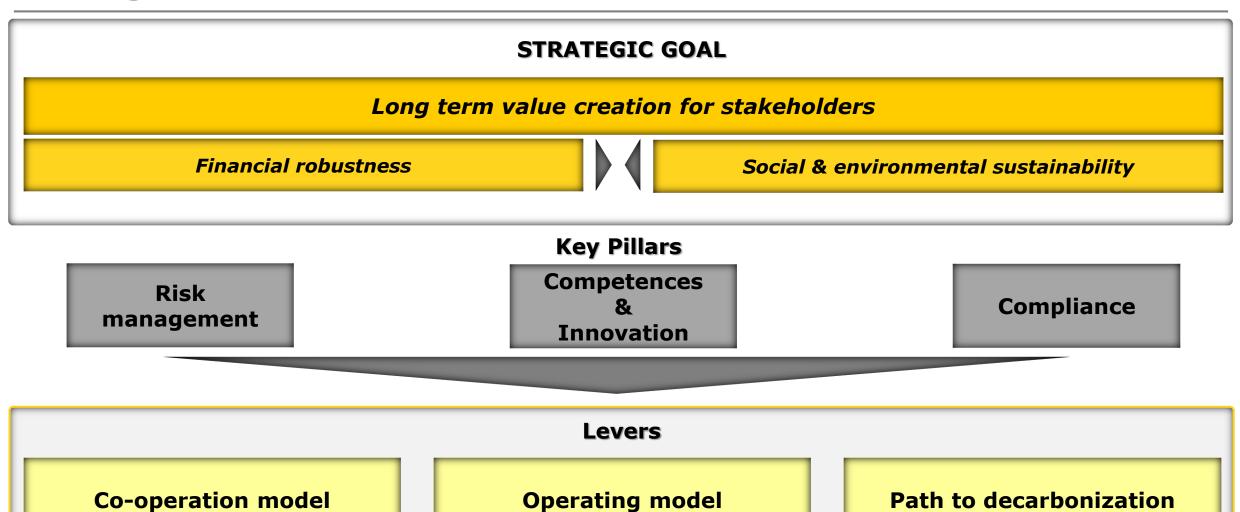
Fighting climate change



under INDCs, carbon budget will be exhausted within 2040



Eni integrated model





Eni governance on risks and compliance



ENI TOP RISKS

- ~20 top risks out of around 150 risks identified
- Nearly 80 indicators for top risks quarterly monitoring

Strategic Risks

 Price scenario, Climate change, Stakeholder's relationship

External Risks

- Country political & social instability
- Credit & Financial risk
- Regulatory evolution HSE and gas & power

Operational Risks

- Blow out/accidents
- Investigations and legal proceedings
- Cyber Security and other process risks



Eni acknowledges the need to limit the temperature increase below 2°C

carbon footprint reduction

Reduction of GHG emissions:

- Reduction of routine flaring
- Minimise fugitive methane emissions
- Energy efficiency

Carbon pricing policies

- · Public advocacy for carbon pricing
- Internal carbon pricing sensitivity

low carbon **portfolio**

large share of **natural** gas reserves

portfolio resilience at 450 ppm scenario

commitment on renewables

Energy Solutions Department

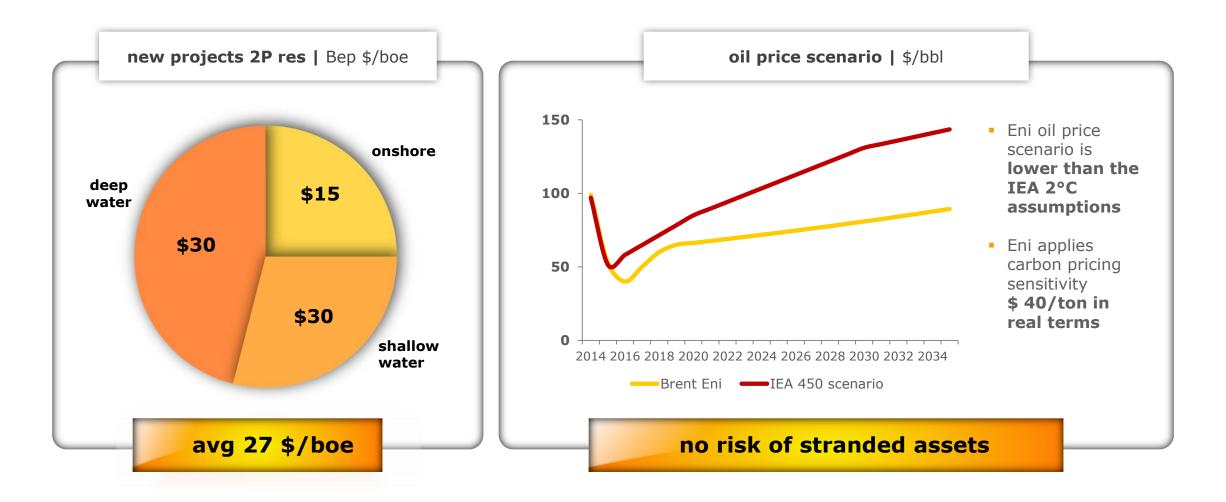
Green conversion of downstream assets: green refinery and biofuels

Research focus on energy mix diversification and green businesses

International engagement for joint action



Portfolio resilience is enhanced by gas and cost competitiveness





COOPERATION & DEVELOPMENT



Long-term value creation - our flagship model



CREATING A LONG TERM PARTNERSHIP

FULL PARTNERSHIP

Transfer of **Know How**

UNINTERRUPTED PRESENCE





BEING LOCAL

PRODUCTION FOR DOMESTIC MARKET
ACCESS TO ELECTRICITY
ENERGY MIX
ECONOMIC DIVERSIFICATION
LOCAL DEVELOPMENT
HEALTH AND EDUCATION

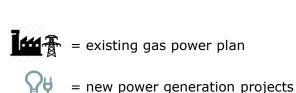


Providing energy to foster development

Power generation

- 4 gas power plants supplying:
 - 60% of power in Congo
 - 20% in Nigeria
- Off-grid power in Congo and Nigeria

Access to energy for 18 million people



= 100% gas production to local market/primary suppliers

= 100% future gas production to local market/primary suppliers



Venezuela



Mozambique

Angola

Gas to local markets

- 43 bcm of production to domestic markets
- In 10 countries 100% of production sold locally



Development projects for local communities

Economic diversification



≈ 550,000 people involved in agricultural projects mainly in Congo, Tunisia and Nigeria

Health care



≈ 900,000 patients examined more than 1 mln vaccinations mainly in Angola, Congo and Pakistan

Access to water



≈130,000 people reached mainly in Congo, Kazakhstan, Mozambique and Nigeria

Education



≈90,000 students reached mainly in Kazakhstan, Italy, Mozambique and Nigeria

2010-2019

Investments for ~1 Bln €*

Infrastructure



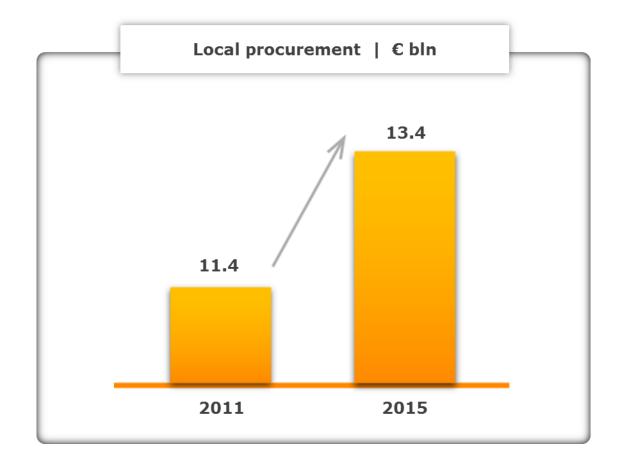
≈500,000 beneficiaries of transportation projects reached mainly in Kazakhstan and Nigeria

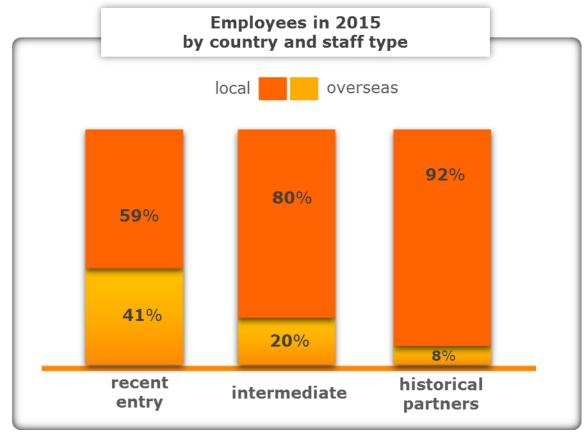


*including off-grid projects

9

Empowering local workforce





66% of 2015 total procurement spent on local suppliers

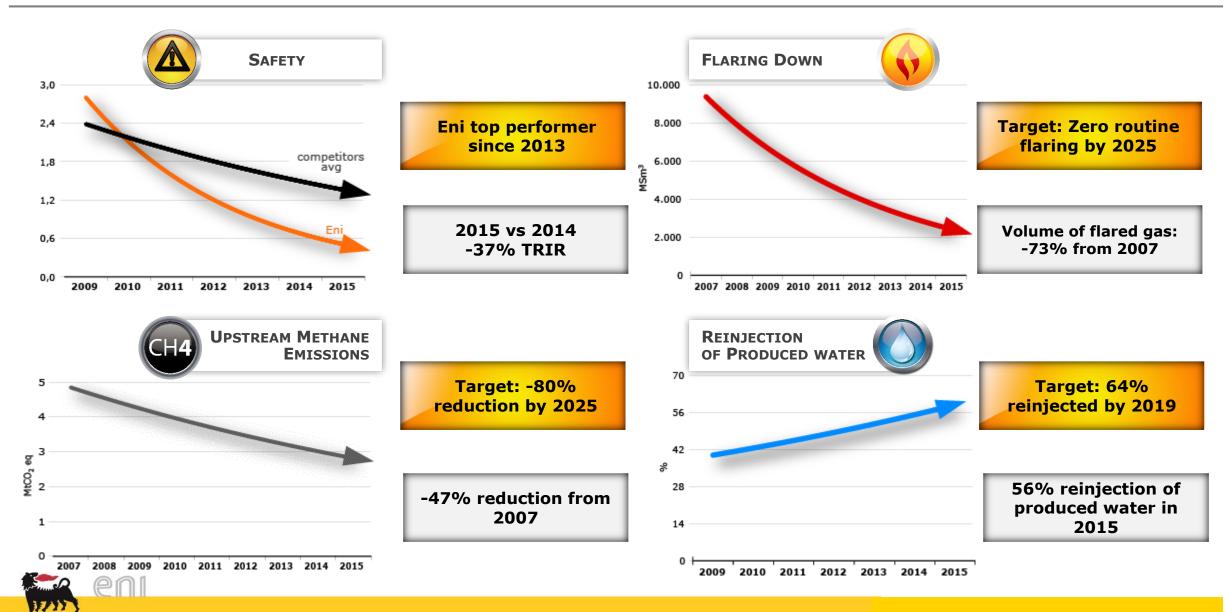
In the last 5 years, local employment* increased by 21%



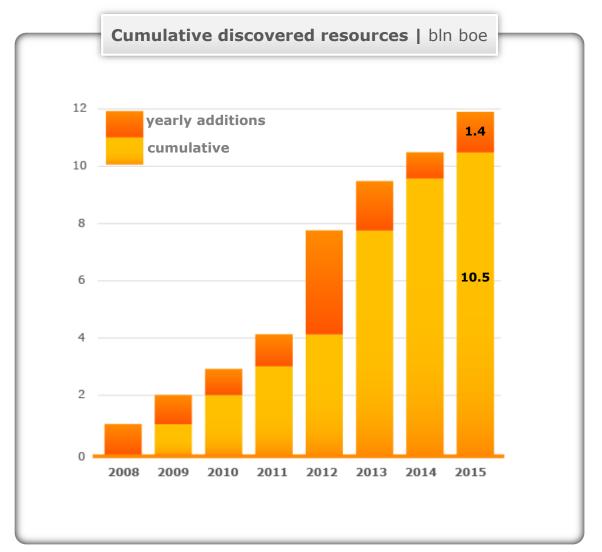
OPERATING MODEL

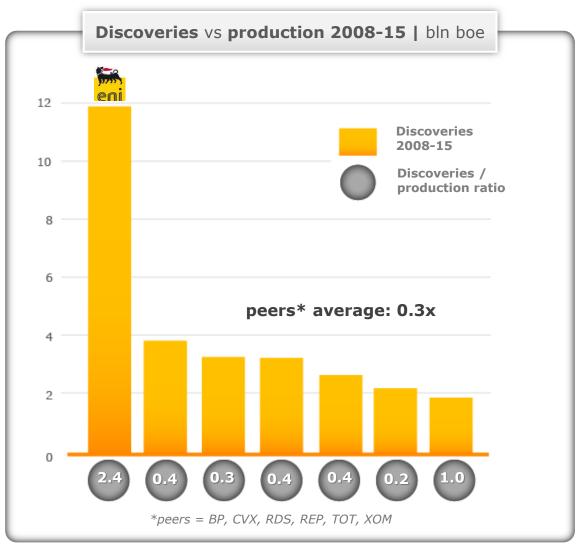


Continuous improvement on environmental impact



Eni's unique exploration track record and model







Exploration risk evaluation

Petroleum System Modelling

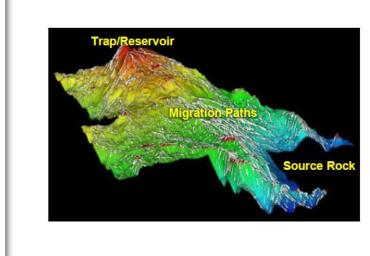
Basin Geometry **Temperature** & Pressure

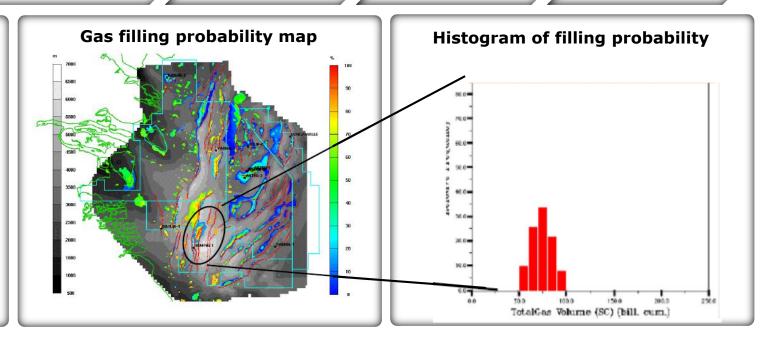
Source Rock Geochemistry

Generation & Expulsion

Migration & Trapping Exploration Risk Evaluation









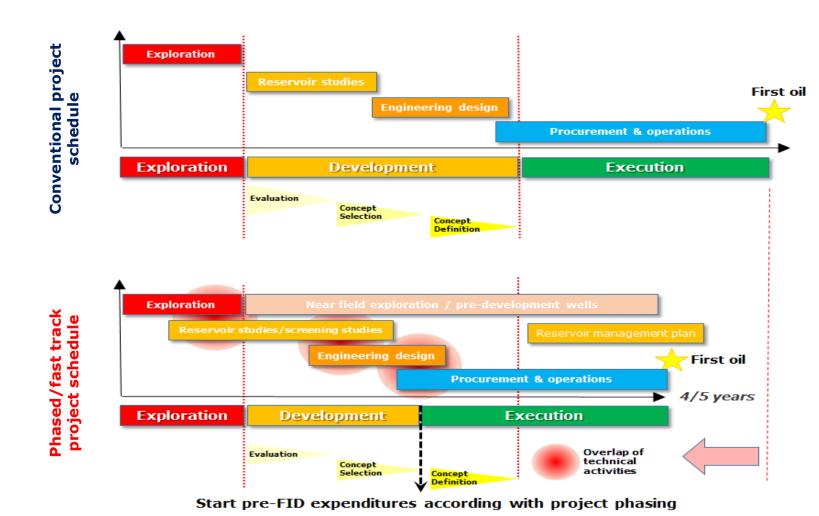
Green Data Center

7,700 physical and virtual servers

4.5 Petaflop of computation capacity



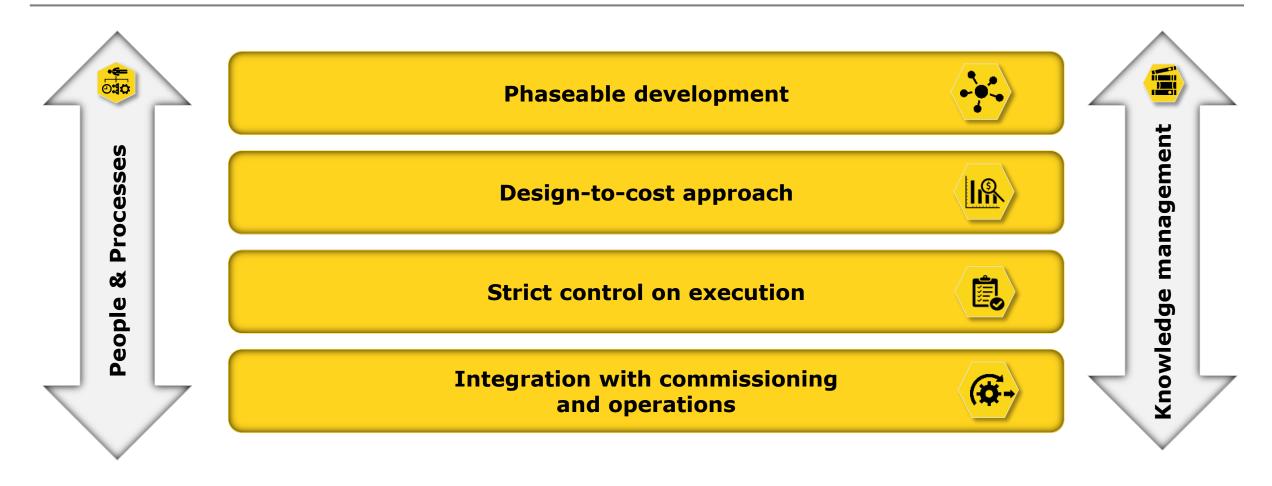
Workflows: faster time-to-market from reserves to resources



- Strong interfunctional integration from exploration to start-up
- Working in parallel rather than sequentially
- Risk reduction through reservoir uncertainties quantification
- 3D reservoir models developed during exploration stages



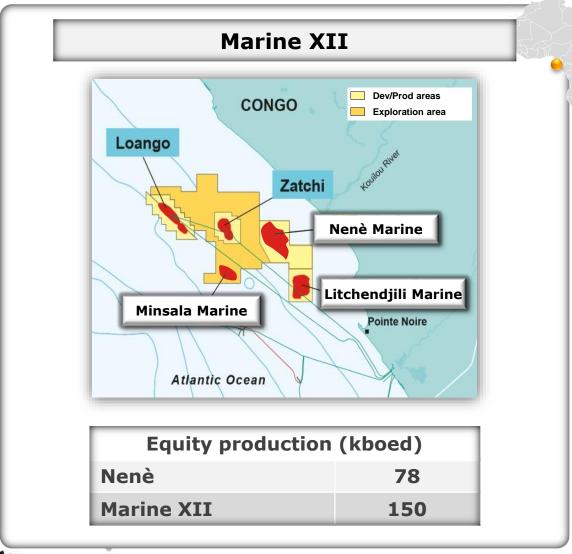
Our development model

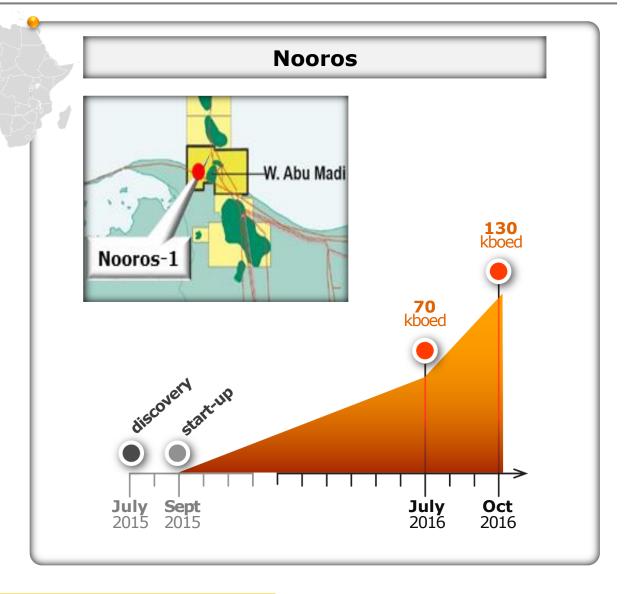






Marine XII and Nooros: examples of our integrated approach







Minimising our operational risks

Competences

- Training
- Know how
- Safety culture

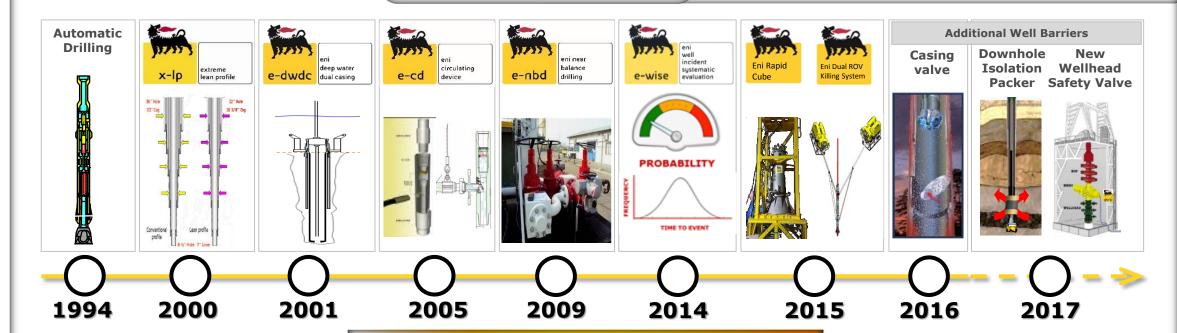
Technologies

OPERATIONAL RISKS

Processes

- Organization model
- Best Practices & Procedure
- Rig Inspections
- MSG Operations
- Real Time Monitoring









Focus: our Arctic operations

Our **policy**

Offshore production activity limited to all-year-round ice-free conditions

Our **drivers**

Safety for people
Protecting Arctic environment
Technologies and competencies
Oil Spill Prevention
Working together with local communities



Specific **risk mitigations: Goliat**

Weather base Design: FPSO design and operation limits defined to tolerate extreme weather conditions

Emission reduction: FPSO powered from shore and associated gas reinjection

Oil Spill Detection & Response: Intervention capability increased by novel technology (i.e. Stand by vessel Esvagt Aurora provided with the best technologies for oil detection and spill response)

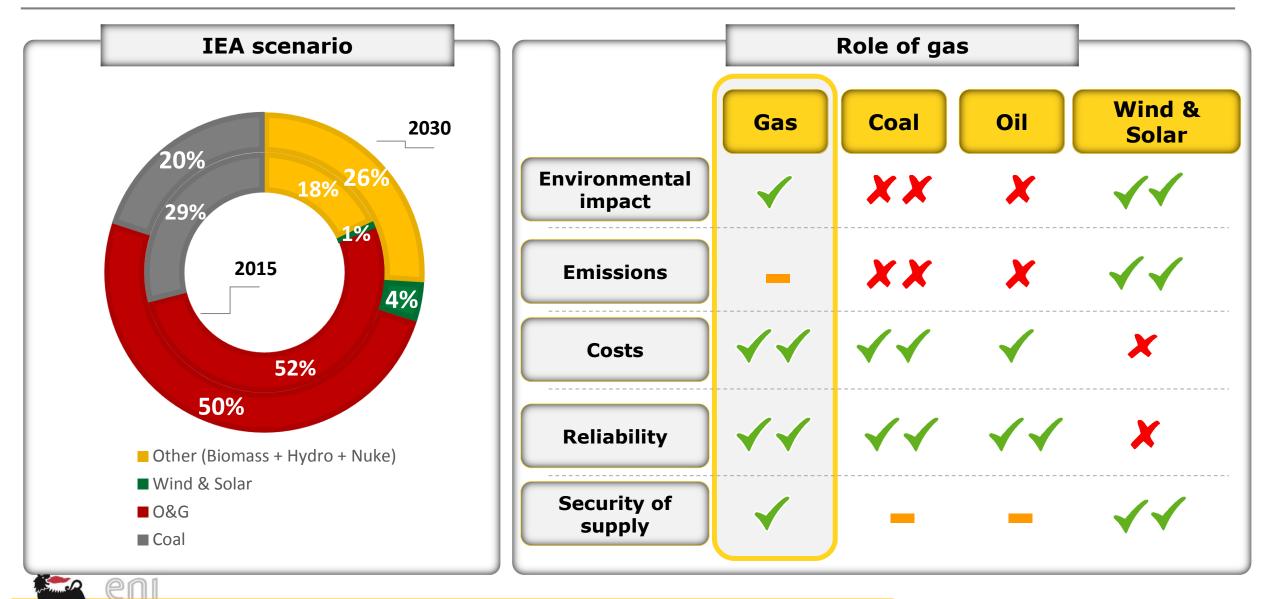
Setting the standards for offshore Arctic production



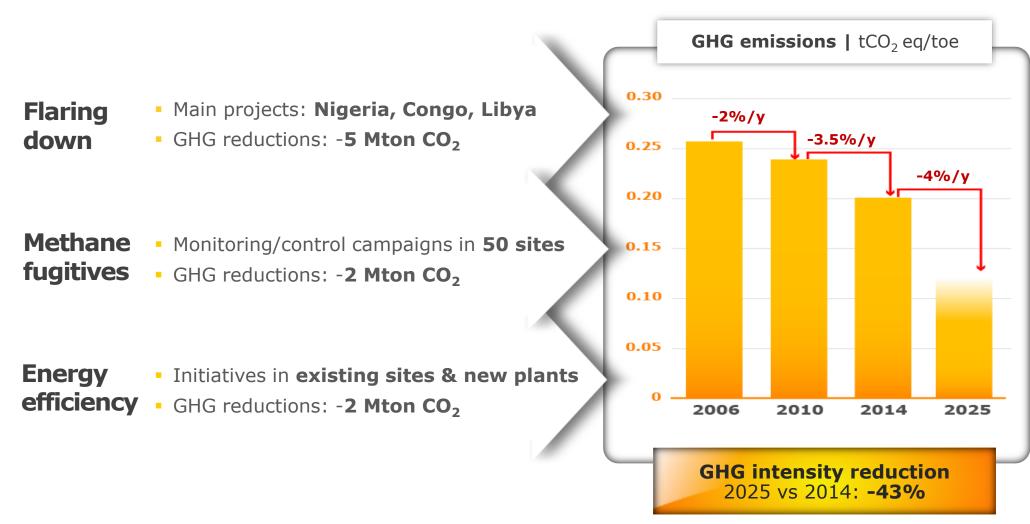
PATH TO DECARBONISATION



The role of gas in the energy transition process



GHG reduction targets





Energy Solutions business model

Competitive skills

Global presence and large portfolio of industrial assets

Know-how in managing complex and hybrid projects

Excellence in R&D

Multiple and flexible financial levers

Brownfields

asset transition

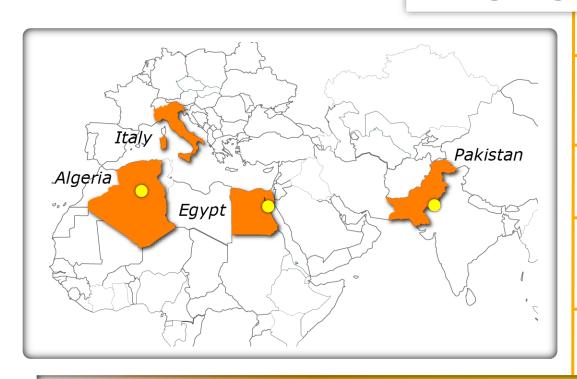
Greenfields

new cooperation model



Energy Solutions: map of activities

Ongoing Projects



- 220 MWp of capacity installed in Italy by 2022
 Reclaim and convert existing industrial areas in Italy implementing large-scale renewables energy plants
- 160 MWp of capacity installed abroad by 2018
 Integrating renewable with oil & gas assets
- 6 FIDs planned by end 2016 for fast-track development in Egypt, Algeria and selected Italian sites, for a total capacity of about 150 MWp
- On average **0.3 Mtons/y of CO₂ emissions** avoided for 20 years

TARGET:

maximize the use of renewables to meet the energy needs of our facilities and reduce CO₂ emissions



Eni's new mission

We are an energy company

We are working to build a future where everyone can access energy efficiently and sustainably

Our work is based on **passion** and **innovation**, on our **unique strengths and skills**, on the quality **of our people** and in recognising that **diversity** across all aspects of our operations and organisation is **something to be cherished**

We believe in **the value of long term partnerships** with the countries and communities where we operate

