



Statoil



# Toward a low carbon energy future

NCCS Kick-off 4<sup>th</sup> November 2016

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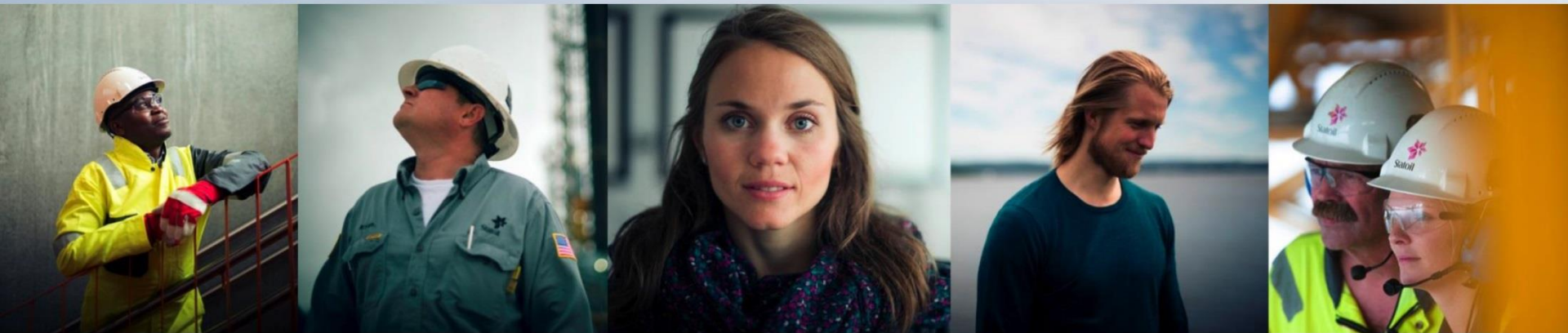
Our vision:

# Shaping the future of energy

Competitive  
at all times

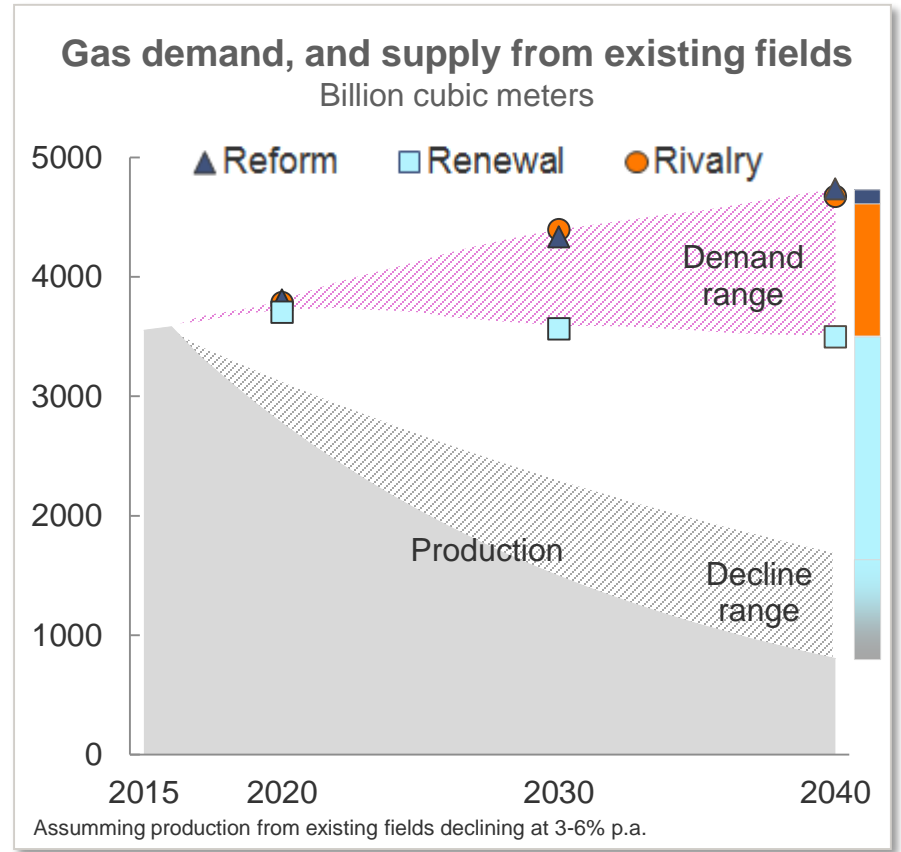
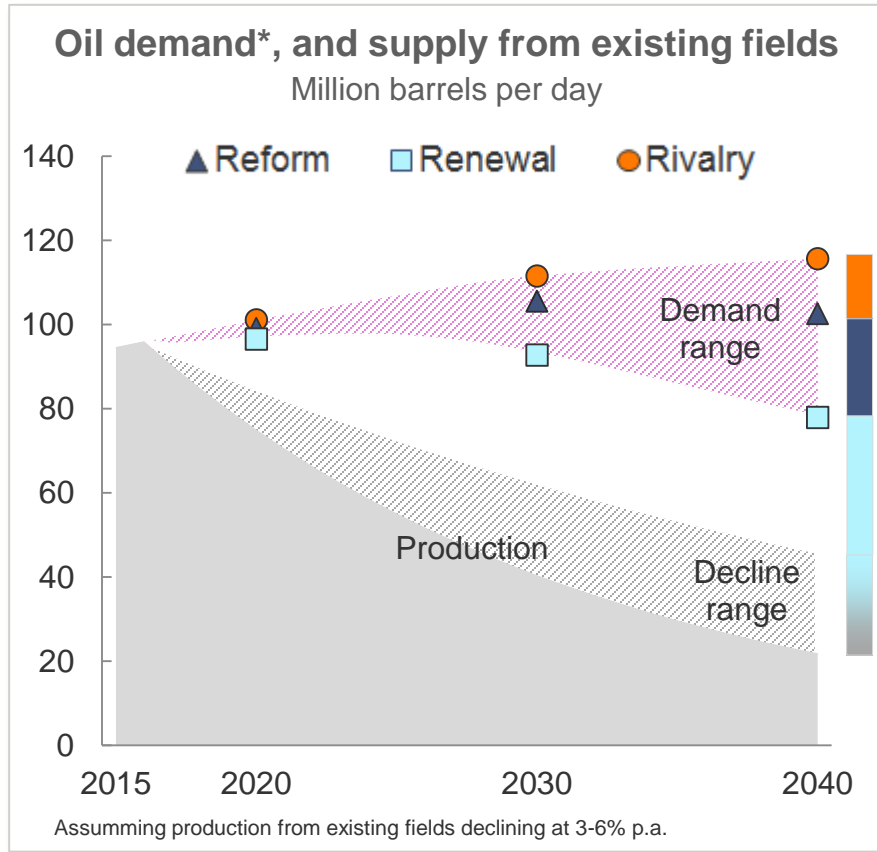
Transforming the  
oil and gas industry

Providing energy for  
a low carbon future



# Oil and gas is here to stay...

## Demand growth in future energy scenarios



Source: IEA (WEO 2015), Statoil (projections)

# Statoil is committed to climate action

## Statoil welcomes the Paris agreement

On 12 December the world's leaders agreed on an ambitious plan to address climate change. Statoil welcomes the agreement and is well positioned to play our part in the transition to a low carbon future.



Statoil reports transparently on climate performance and sets ambitious targets for further emission reductions. (Photo: Trond Isaksen)

"Statoil has called for an effective international climate agreement. We appreciate the huge effort the French leadership, the Norwegian government and all the countries involved, have put in to land this agreement", says Bjørn Otto Sverdrup, senior vice president of Corporate Sustainability in Statoil.

## Climate. What is Statoil actually doing?

"Statoil doesn't debate climate science, it acts on it. The Paris talks must find radical solutions - and our optimism can be the fuel for change," says Bjørn Otto Sverdrup, senior vice president of Corporate Sustainability, in this op-ed.



"For 2016 we've decided to develop and implement a climate roadmap. We want to better understand our expected emissions and what we can do to reduce them. Included in this is also ensuring that climate becomes an integrated part of how we run our company" says Bente Hovland, project manager for the climate roadmap.

## Stepping up climate change efforts on the NCS towards 2030

The petroleum industry, under the direction of the Norwegian Oil and Gas Association, today announced its ambition to implement CO2 reduction measures corresponding to 2.5 million tonnes on the Norwegian continental shelf (NCS) by 2030 compared with 2020.



The Gullfaks C platform in the North Sea. (Photo: Harald Pettersen)

Statoil will account for 2 million tonnes of this.

"In Statoil's road map for the NCS towards 2030 our goal is to maintain profitable production at the 2015 level. In order to succeed as an oil and gas producer in a future low-carbon society we must maintain our leading position as a carbon-efficient producer. The efforts we make now will therefore improve our future business opportunities," says Arne Sigve Nylund, executive vice president for Development and Production Norway (DPN).



# Path to a low Carbon future

Statoil has been steadily building experience with CO<sub>2</sub> capture and storage operations:

- Putting in place the technology needed for a low Carbon future.

*Sleipner CCS Project*



*Snøhvit CCS Project*



*Technology Centre Mongstad (TCM)*



Main challenges are: turning CCS into a business and getting the costs down

# New Energy Solutions

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New Statoil Business Unit set up in 2015

The NES Business unit has two broad mandates



Develop a profitable  
renewable energy business



Develop new low-carbon  
energy solutions

# Summary

Statoil is shaping the future of energy

Our New Energy Solutions Business unit is focused on:

- Profitable renewable energy business
- Low-carbon energy solutions

Strong CCS operational experience:

- Laying the ground for a low Carbon future



20 year's of CCS operations

We are ready to guide and support the NCCS FME initiative!

... BUT we need technology breakthroughs giving significantly reduced costs of CCS

# Statoil. The Power of Possible

**Toward a low carbon energy future**

Kjetil Haugeland Helvig

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