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New Energy Solutions Statoil

Classification: Internal

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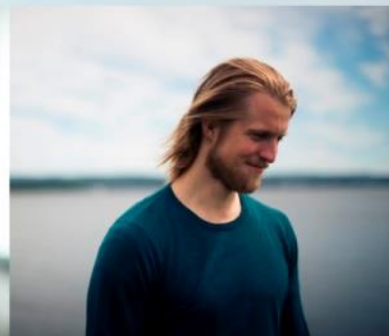
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Shaping the future of energy

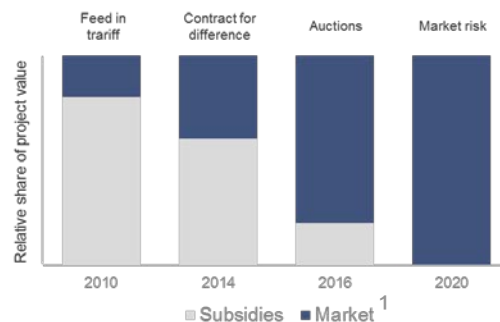
Competitive
at all times

Transforming the
oil and gas industry

Providing energy for
a low carbon future



Sharpened strategy: Building a **profitable** new energy business



Industrial approach

- Leverage core competence
- Scale & technology reduce costs
- Access to long-term projects

Value driven

- From subsidies to markets
- 9-11% return range (real)
- Cash flow resilience

Growth opportunities

- 15-20% of capex in 2030²
- Offshore wind and other options
- Low-carbon solutions

¹ Indicative for offshore wind projects

² Indicative, based on potential future corporate portfolio.

Offshore wind - building on our oil and gas competence

SAFETY IS
OUR
FIRST
PRIORITY



LARGE
COMPLEX
PROJECTS



MARINE
OPERATIONS



LEVERAGE
GLOBAL
SUPPLY
CHAIN



TECHNOLOGY AND
INNOVATION



Providing offshore wind to >1M homes

Playing to our strengths



Offshore wind projects currently in progress delivering >1100 MW, and potential for >5m homes

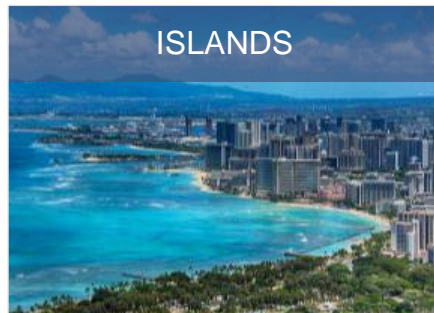
Attractive market



					North West Europe	United States East Coast	Japan	
	Hywind demo	Sheringham Shoal	Dudgeon	Hywind pilot	Arkona	Dogger Bank	New York	Hywind large scale
	In operation	In operation	In operation	In operation	In development	Consented	Auction won	
	2.3 MW	317 MW	402 MW	30 MW	385 MW	4 x 1.2 GW	1-2 GW	
	2009-	2012-	2017	2017	2019	2020-	2024-?	

* All capacity figures on 100% basis

Where are the next floating wind opportunities?



Why floating wind?

- Security of supply
- Limited space
- Sustainability

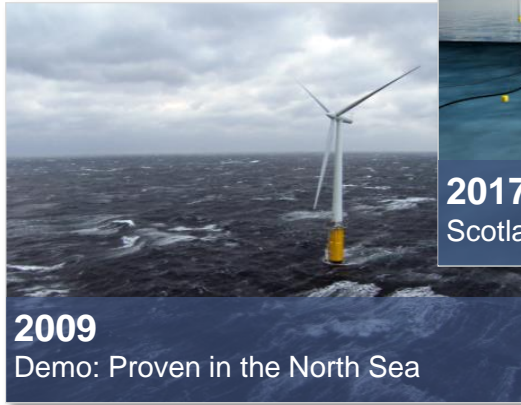
- Transmission
- Electrification
- Limited space

- Cost of alternatives
- Security of supply
- Limited space

- Emission taxes
- Cost of fuels
- License to operate

Illustration photos from Flickr.com: Moyan Brenn, Darshan Simha and Nosha. Oil and gas photo by Statoil.

Hywind – the future is floating



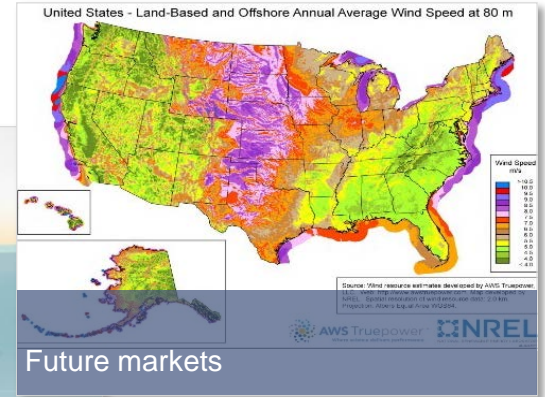
2009
Demo: Proven in the North Sea



2017
Scotland pilot park: World's first



2018
Batwind: Adding battery storage



Future markets

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