SHELL FLOATING WIND

SHELL vision on the timeline to full-scale development & commercialization of floating wind

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Shell plc

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This presentation contains certain following forward-looking non-GAAP measures such as cash capital expenditure and divestments. We are unable to provide a reconciliation of these forward-looking Non-GAAP measures to the most comparable GAAP financial measures because certain information needed to reconcile those Non-GAAP measures to the most comparable GAAP financial measures is dependent on future events some of which are outside the control of the company, such as oil and gas prices, interest rates and exchange rates. Moreover, estimating such GAAP measures with the required precision necessary to provide a meaningful reconciliation is extremely difficult and could not be accomplished without unreasonable effort. Non-GAAP measures in respect of future periods which cannot be reconciled to the most comparable GAAP financial measure are calculated in a manner which is consistent with the accounting policies applied in Shell plc's consolidated financial statements.

Also, in this presentation we may refer to Shell's "Net Carbon Footprint", which includes Shell's carbon emissions from the production of our energy products, our suppliers' carbon emissions in supplying energy for that production and our customers' carbon emissions associated with their use of the energy products we sell. Shell only controls its own emissions. The use of the term Shell's "Net Carbon Footprint" is for convenience only and not intended to suggest these emissions are those of Shell or its subsidiaries.

Shell's operating plan, outlook and budgets are forecasted for a ten-year period and are updated every year. They reflect the current economic environment and what we can reasonably expect to see over the next ten years. Accordingly, Shell's operating plans, outlooks, budgets and pricing assumptions do not reflect our net-zero emissions target. In the future, as society moves towards net-zero emissions, we expect Shell's operating plans, outlooks, budgets and pricing assumptions to reflect this movement.



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Shell wind business in a nutshell

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Shell is accelerating in floating wind

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SHELL WIND BUSINESS IN A NUTSHELL



50 YEARS

Experience in offshore engineering in the North Sea



20 YEARS

Experience in wind





GLOBAL TEAM

Across Europe, USA and Asia



6+ GW

Total installed capacity in portfolio and pipeline



839.5 MW

Total installed capacity offshore*



* Shell's share: 254.3 MW

** Shell's share: 211.25 MW

RENEWABLES & ENERGY SOLUTIONS





We want to find ways of helping customers – whether households, cities or businesses – to switch to these options through renewable and low-carbon energy and decarbonisation options.

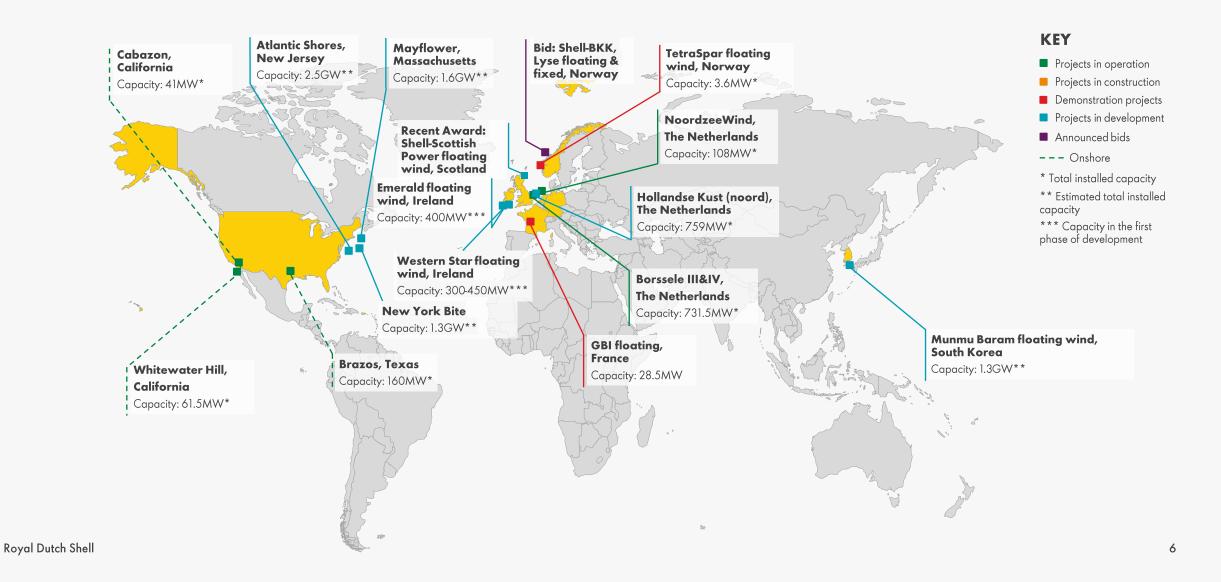


Shell's Renewables & Energy Solutions is key to this mission. It is the part of Shell that includes integrated power, hydrogen and nature-based solutions (NBS).



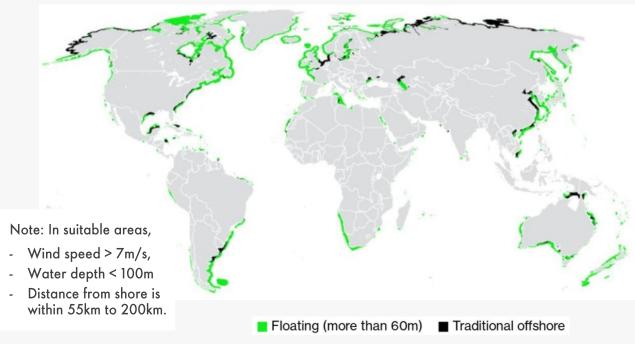
Our work intends to move Shell closer towards its target of being a net-zero emissions business by 2050, in step with society, while helping our customers – and the world – limit global warming to 1.5 Celsius.

WORKING TO DEVELOP A DIVERSE PORTFOLIO



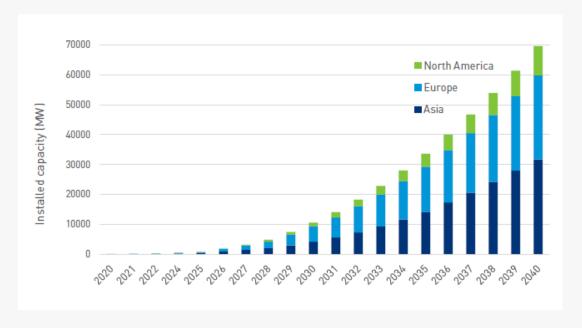
GLOBAL FLOATING WIND MARKETS

80% OF GLOBAL OFFSHORE WIND POTENTIAL IS FLOATING



Source: Bloomberg, 2021

Data: British Oceanographic Data Centre, Global Wind Atlas



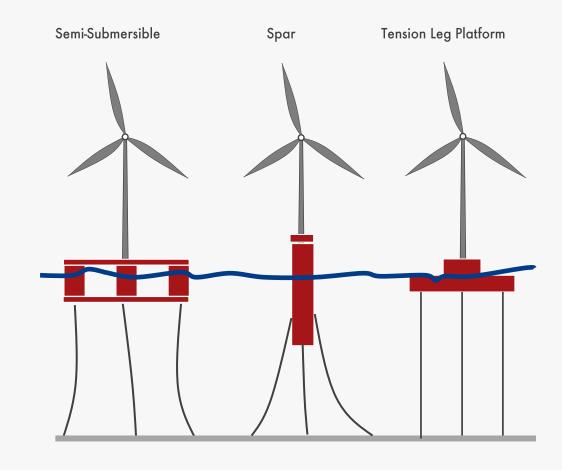
2020-2040 Global floating wind deployment (Source: ORE Catapult July 2020)

FLOATING STRUCTURES ARE NOT NEW TO SHELL

Shell's expertise in deep water development...

| Mark | Name |

... is an advantage in floating offshore wind.



THE TECHNOLOGY IS REACHING COMMERCIAL READINESS

	Technology				Technology readiness level (TRL)								
			Material	1 Initial concept	Proof of concept	3 Numerical modelling	4 Tank testing	5 Scaled testing (<1MW)	6 1 - 5MW demo	7 > 5MW demo	8 Pilot (20 - 50MW)	9 Commercia project (>50MW)	
	Concept	Designer											
	WindFloat	Principle Power	Steel									202	
	OCG	Ocergy	Steel							2024			
	XCF	Mareal - Eiffage	Concrete								2025		
	OO-Star	Olav Olsen	Concrete							2023			
	Nautilus semi-sub	Nautilus - S7	Steel							2024			
	Tetrasub	Stiesdal	Steel										
	Trifloater	NOV-Gusto	Steel										
	Brunel	Fred Olsen	Steel										
	T-Floater	Bassoe - CIMC Raffles	Steel										
	w.semi	Wison	Steel										
	NereWind	DORIS	Steel										
TLP	TLP	SBM	Steel								2022	202	
	WindSub	Marine Power Systems	Steel						2023				
	FOWTLP	Bluewater	Steel										
	Gazelle	Gazelle	Steel										
	Modec TLP	Modec	Steel										
	SOF	GICON	Steel										
Spar	Hywind	Equinor	Both versions									202	
	Crown	Seaplace	Concrete										
Barge	Damping Pool	Ideol	Both versions						2018		2024		
	Swach	Sevan	Concrete										
	Triwind	Beridi	Concrete										
Self- aligning platforms	Sath	Saitec	Concrete					2020	2022		2025		
	Twin Wind	Hexicon	Steel					2018			2025		
	Nezzy²	EnBW-Aerodyn	Steel							2024		•	
	Eolink semi-sub	Eolink	Steel					2018		2023			
	PivotBuoy	X1 Wind	Steel					2021					
	W2Power	Enerocean	Steel					2018					
Counter-	Tetraspar	Stiesdal	Steel						2021				
	Hexafloat	Saipem	Steel							2024			



Hywind Scotland, 5 WTGs, 30MW, COD 2017

1st multi-WTGs floating wind farm



WindFloat Atlantic, Portugal, 3 WTGs, 25MW, COD 2020

1st project financed floating wind farm



Kincardine, Scotland, 6 WTGs, 50MW, COD 2021
3rd floating wind farm in the world, 2nd in Scotland



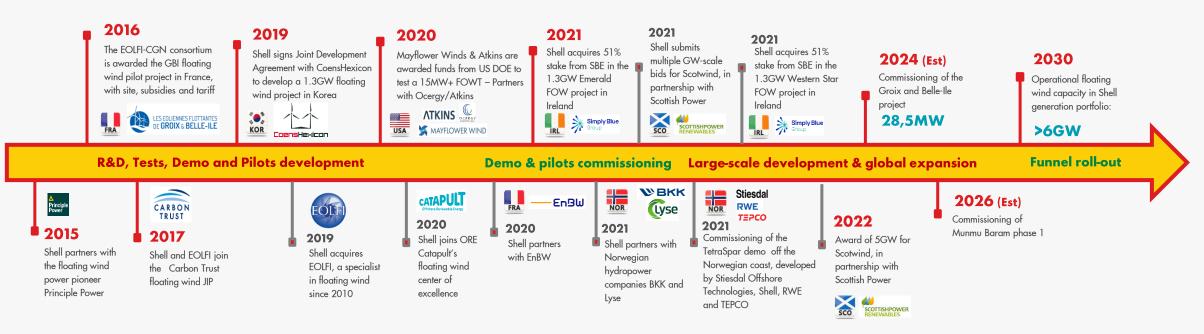
Hywind Tampen, Norway, 11 WTGs, 88MW, COD 2022

1st floating wind farm to supply O&G platforms

Source: The Carbon Trust, Shell analysis

Most active concepts, non-exhaustive

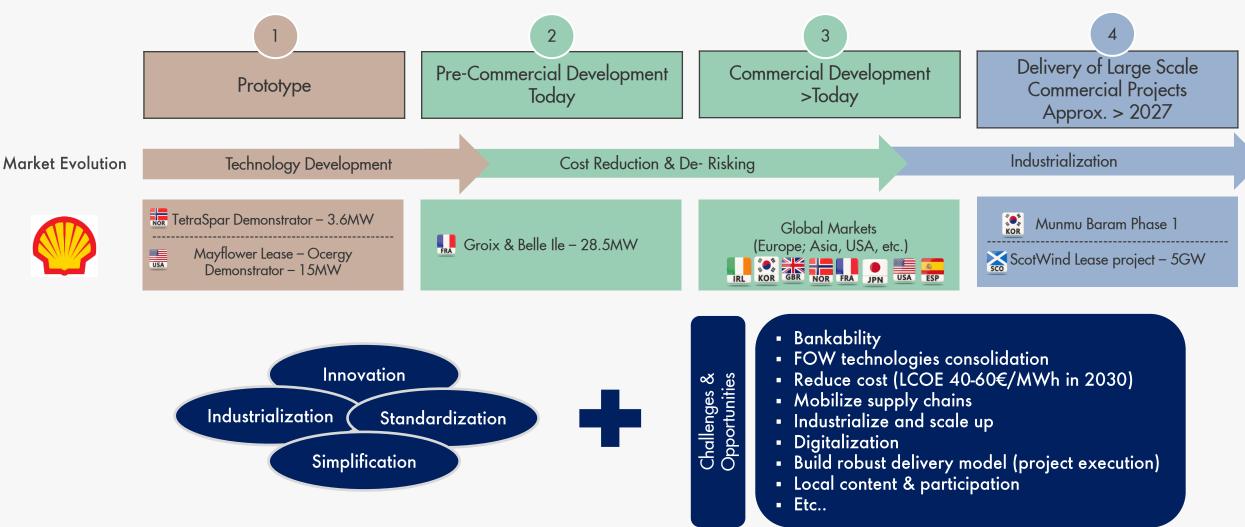
SHELL IS ACCELERATING IN FLOATING WIND SHELL IS GOING FROM TECHNOLOGY DE-RISKING TO LARGE-SCALE AND GLOBAL EXPANSION



- Shell is active in the main floating wind markets, actively prospecting large projects pipeline
- Priority on delivering our floating wind projects to benefit from supportive regulations, de-risk the technology, deliver small/larger scale projects
 and accelerate costs reduction
- The opportunity to secure large scale floating wind projects is now as regulations are progressing towards deployments in the early 2030s

GLOBAL FLOATING OFFSHORE WIND MARKET DEVELOPMENT &

TIMELINE



FLOATING WIND: THE NEXT SUCCESS IN RENEWABLES?

- □ Energy transition is commonplace, cheap, green power is increasing its energy market share, and offshore wind has demonstrated to deliver green power at scale at competitive rates
- □ Floating offshore wind is a promising, yet nascent technology catering for areas not suitable or too expensive for bottom fixed or onshore alternatives
- □ Floating offshore wind can already be competitive in certain areas (high water depths, earthquakes, wind climate yield, installation costs, schedule (no piling / noise allowed))
- □ Political attractiveness/ government support of FOW is important with clear volume, policies and support mechanisms (e.g. France); attractive power price levels; etc.
- □ Pathway to de-risking technology in design, execution and operations, requires societal & industry support
- We have progressed from prototypes development (Tetraspar) to pre-commercial projects (Groix & Belle IIe) and we are now entering in the commercial phase of Floating Offshore Wind development (ScotWind lease)

