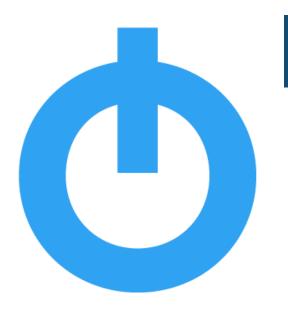




Executive Summary

Goal

Add 8 GW of installed offshore wind capacity by 2030 with a capital constraint of 200 DKKbn



Problem

How should Ørsted prioritize its efforts to best reach its 2030 target of 30 GW offshore wind capacity, while helping to improve the financial and environmental health of the industry?

Solution



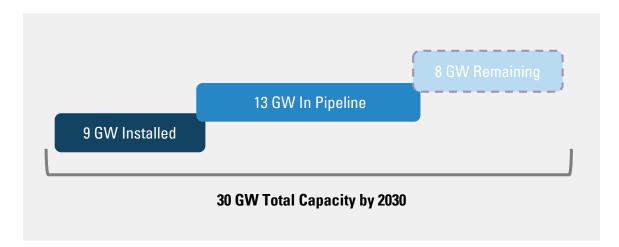
Impact

8 GW capacity added, 700 DKKm spent on initiatives per / local project, reinvented partnership model



Ørsted's current strategy fails to overcome its key challenges

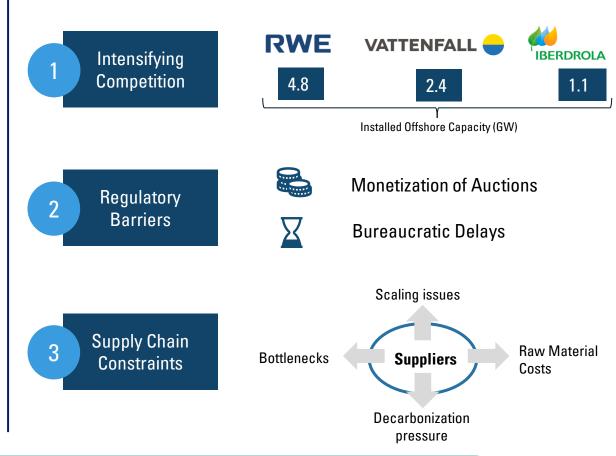
Ørsted's vision: creating the future of green energy



Existing Strategy

- 1 Be one of the world's largest generators of green power
- 2 Remain a leader in offshore wind generation
- Maintain and expand sustainability leadership

Key challenges to current strategy



How should Ørsted improve its strategy to fulfill its vision and achieve target capacity?

Three winning initiatives can improve Ørsted's strategy, achieve its vision, and meet target capacity



		Strate	egic Dimen	sions	Key Challenges			
	Winning Initiatives	Maintain Offshore Leadership	Expand Sustainability	Increase Global Scale	Mitigate Regulatory Barriers	Control Supply Chain Risk	Reduce Competition	
	Develop Offshore Floating Platforms							
1	 Position Ørsted as a leader in a very high growth market for subsequent decades Maintains Ørsted's position as a first-mover in new energy technologies Contributes to 30 GW installed by 2030 Differentiates Ørsted from competitors 	V		V			V	
	Transform Local Environments through Revive Campaign							
2	 Invest on average 700 DKKm per bid in local impact and biodiversity initiatives Plays to Ørsted's historical strengths and mission by furthering its biodiversity and local impact leadership Targets geographies that value Ørsted's ecologically constructive practices (Germany and France) 				V			
	Partner with Supermajor Oil & Gas Producers							
3	 Form strategic and financial partnerships with supermajors to scale more quickly Improves on current asset farm-down model by selling equity stakes to strategic supermajor partners earlier in project lifecycle Reduces development risk for supermajors with little experience in the renewables market Reduces offshore wind auction competition 	√				⋖	✓	



Ørsted needs an auction prioritization framework that supports the three winning initiatives

Develop offshore floating platforms

Transform local environments through Revive Campaign

Partner with supermajor oil & gas producers

Auction Prioritization Framework

Bid on all floating/optional projects available in core/adjacent markets with minimum COD 2030. Use floating construction in all optional bids won

Bid on all fixed projects in core/adjacent markets with high demand for sustainability and positive ecological impact (Germany + France). Include 700 DKKm in ecological mitigation initiatives per project

Generates experience in developing floating projects, pushing Ørsted further in its position of leadership in offshore wind

Differentiates Ørsted from competition by showing high willingness to spend on ecological and sustainable impact Increases likelihood of winning bids and improving relationships with regulatory bodies

Goal: achieve ~ 60/40 fixed/floating composition to accomplish winning initiatives and manage portfolio risk



Auction prioritization framework results in a strategically focused portfolio

Proposal: Bid for up to ~3.2 GW floating and ~5 GW fixed

Assumptions:

- Floating/optional auction win rates of 40% (we believe this is justified due to lower overall competition in the space)
- Sustainable/ecological markets win rate of 17% (below historical average)

Highlights:

- 60/40 fixed/floating mix accomplishes winning initiative #1 while managing risk
- Concentrated growth in 3 geographies that play to Ørsted's strengths and allow for deeper relationships with regulators
- Concentrated, large project size portfolio present construction cost synergy opportunities

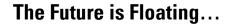
A sample portfolio from the project selection framework that achieves the desired 60/40 fixed/floating mix

	Project	Country	Market	Auction Format	COD	GW	DEVEX (DKKm)	CAPEX (DKKbn)	Initiatives (DKKbn)	Total Cost (DKKbn)
	Round 2.2	Japan	Core	Central	2028	0.9	0.075	23	0.7	23
Floating	Round 4	Japan	Core	Central	2029	1.25	0.075	31	0.7	32
	Round 11 Med. Ext.	France	Adj	Central	2030	1	0.1	25	0.8	25
	Round 10	France	Adj	Central	2028	1	0.1	20	0.8	20
Fixed	Germany N-11.1	Germany	Core	Central	2028	2	0.075	40	0.6	40
	Germany N-10.1	Germany	Core	Central	2030	2	0.075	40	0.6	40
	Total					8.15 GW	0.5	179	4.2	183 DKKbn

*0.5bn DEVEX does not include additional 2.5 bn DEVEX spent on unsuccessful bids. See appendix.



Initiative #1: Develop offshore floating platforms to maintain industry leadership





Current Reality



Growth Potential



Ørsted became an industry leader in fixed offshore farms by building on its knowledge of land-based turbines. Now, it must **repeat the process** with floating turbine technology

Only 50 commissioned floating turbines globally as of October 2022

14 GW of electricity from floating turbines by 2030 (Commitment from Global Offshore Wind Alliance)



Floating turbine technology will increase offshore wind generation in existing markets and enable offshore wind in new geographies

Global areas with potential for offshore floating turbines



80% of total offshore generation potential is in waters deeper than 60 meters, which is beyond the feasible depth of most fixed turbines



Initiative #1 accomplishes all strategic objectives and key challenges

Increases Global Scale



Floating turbines are the only viable source of offshore power in many key developed and developing markets. By first strategically launching offshore floating initiatives in developed regions, Ørsted will position itself to later scale into currently untapped markets

Controls Supply Chain Risk

Global scale facilitates larger partnerships and economies of scale, providing Ørsted with the means to strengthen its supply chain. This will promote lower construction costs and quicker project completion

Maintains Offshore Leadership



Offshore floating technology is effectively the **third generation** of wind-powered electricity (after land-based and offshore fixed). Early intentional investment will maintain Ørsted's offshore leadership as **adoption accelerates** and floating LCoE declines



Reduces Competition

Industry-leading expertise and lower LCoE expand Ørsted's ability to provide local content. In turn, this makes **their bids more attractive** relative to competition

Expands sustainability



As developed nations place a higher premium on sustainability, floating projects will disproportionally benefit. No pile driving means minimal subsea noise which can be harmful to some aquatic life. Further distance from shore places the turbines beyond the range of many bird feeding groups and migration routes

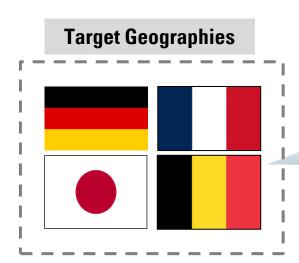


Mitigates Regulatory Barriers

Conscientious countries will not allow renewable energy to come at the expense of local environmental wellbeing. By establishing itself as a sustainable floating turbine leader, Ørsted will benefit from strong relationships with regulatory authorities



Initiative #2: Transform local environments through Revive Campaign



- Japan is a biodiversity hotspot facing habitat loss and dozens of endangered species
- France, Germany, and Belgium also have strong ecological, community, and biodiversity concerns

Community impact and biodiversity initiatives have high market value for these countries





Holistic Community Transformation

Reimagining what it looks like to take care of our planet through a new:



Educate citizens and draw awareness to local environmental issues

Collaborate with local communities on projects and sustainability initiatives

Invest in independent projects to repair local biodiversity and alleviate pollution



Thriving

Revive Campaign Commitment

Commit to invest in 4-6 local initiatives for each location Ørsted develops, totaling **700 DKKm** average investment in initiatives per site



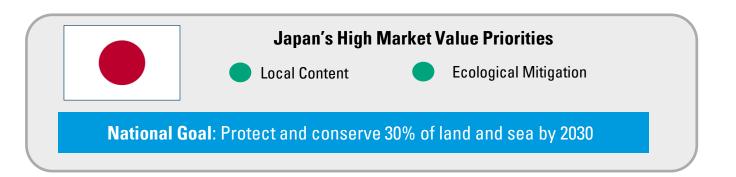
Leverages Ørsted's **size** and **capital** to accomplish more transformation than other developers competing for bids



Fulfills Ørsted's goal of building a greener world in collaboration with others

Revive Campaign case study: achieving community and environmental transformation in Japan





- Coastal wetland habitats continually lost to human development
- Over 150 threatened species reside in Japan
 - Less than 5% coral reef coverage in key regions



700 DKKm invested



Actions¹

- Run 100 school events and awareness campaigns at urban public schools
- Create awareness flyers and digital media assets

Outcome



- Use local contractors to build projects
- Lead community waste removal projects

Enhance economic opportunity while cleaning waste

+250m

+300m



¹ See Appendix for Cost Justifications

Collaborate

- Repair 16,000m² of Okinawa coral reef
- Sponsor study on conserving coastal wetlands with NGO Friends of the Earth Japan



Opportunity to address Japan's most pressing biodiversity issue

Initiative #3: Enter partnerships with supermajor oil & gas producers so Ørsted can scale faster



Partnership Structure:

Improve on Ørsted's current farmdown model by partnering with supermajors, who will provide equity financing to projects earlier in the project lifecycle

Partners can leverage Ørsted's superior construction expertise and Ørsted can leverage superior partner capital, creating a winwin scenario – Ørsted builds more farms, sells them sooner, and doesn't compete with the partner at auction. The partner de-risks by having Ørsted build the project



Post-Partnership Offshore Wind Industry Dynamics:



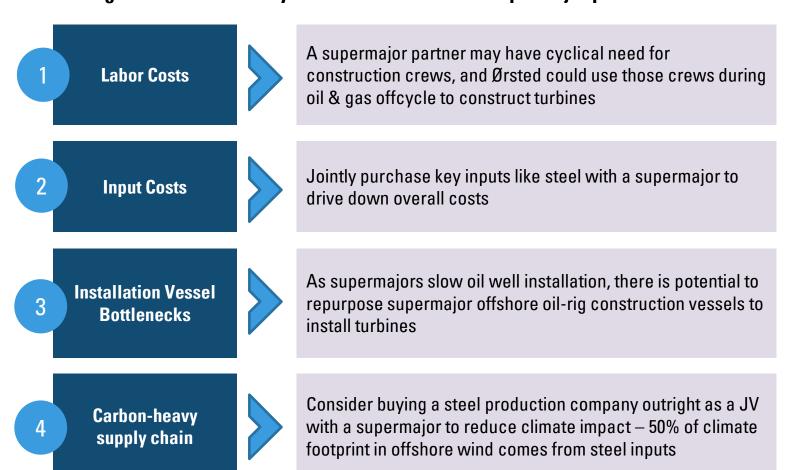
Impact: superior cash flow, higher project ROI, and mitigated competitive threat

Initiative #3: strategic partnerships mitigate supply chain challenges in several



In addition to reducing industry competition, Ørsted's most painful supply chain challenges can be creatively solved via access to a supermajor partner:

areas



Supermajor Partnership Candidate:



- New entrant to offshore wind
 - 2.2 GW under construction
 - 3.7 GW pipeline
- Large CAPEX budget for renewables
 - 90 DKKbn in 2021
 - Added 12.1 GW overall renewables to pipeline in 2022

Potential Additional Synergies:

- BP's e-fuel focus and Ørsted's P2X division (sell Ørsted's biofuels into BP's distribution network)
- Access to BP's construction labor force
- Economies of scale from combined purchasing of raw materials like steel

Proposed capital deployment strategy secures Ørsted's position as an offshore wind leader while investing for maximum impact in local communities





*

Leverages Existing Capabilities

- Leader in biodiversity and local impact
- Utilizes scale and brand to expand partnership model to include oil and gas producers

200 DKKbn allotted



Investing for Impact

(3)

Furthers Ørsted's Goals

- Achieves target offshore capacity with extra 13.8 DKKbn buffer
- Secures Ørsted's place as a leader in innovation

700 DKKm average local initiative investment per project



30 GW offshore capacity installed by 2030



Appendix #1: Revive Campaign and Initiative Costs

Japan Revive Initiatives Cost Breakdown

Initiative	Category	Expenditure (DKKm)	Notes Notes Notes
School events	Education	50	Custom spend assumed less than local impact or biodiversity initiative
Flyers and media	Education	100	Custom spend assumed less than local impact or biodiversity initiative
Local contractors	Local Content	150	Case assumption of local impact expenditure (pg. 30)
Waste removal	Local Content	150	Local impact expenditure
Repair Okinawa reef	Biodiversity	150	Assumed premium of 50m at median price of \$9,000 DKK / m ² for price of development ¹
FoE Japan study	Biodiversity	100	Case assumption of biodiversity expenditure
Total Spend per site:		700 DKKm	

Revive Initiative Expenditure by Country

Country	# of Sites in target portfolio	Expenditure per site (DKKbn)	Total Expenditure (DKKbn)	Notes Notes Notes
Japan	2	0.7	1.4	See above
France	2	0.8	1.6	France will be more expensive to conduct Revive initiatives as it is in an adjacent market. This analysis assume six projects at an average cost of ~133 DKKm per project for a total spend of 800 DKKm in initiatives per site.
Germany	2	0.6	1.2	As a core market, assume four-six projects at an average cost of 100-150 DKKm per project
Total Spend on Initiatives			4.2 DKKbn	

¹ "The effectiveness of coral reefs for coastal hazard risk reduction and adaptation." Nature communications. 5. 3794. 10.1038/ncomms4794.



Appendix #2: Breakdown of all bid projects and win rates

All bid floating and optional projects

Tender name	Country	Auction format	Technology	Year	Capacity (GW)	DEVEX (DKKm)
Round 2.2	Japan	Central	Optional	2023	0.9	125
Round 4	Japan	Central	Optional	2024	1.25	125
Round Three Centralized Auction 3	Taiwan	Central	Optional	2024	3	75
Round 5	Japan	Central	Optional	2025	1.25	75
Round 11 Mediterranean Extension	France	Central	Floating	2025	1	100
Celtic Sea	United Kingdom	Lease	Floating	2023	.8	800
Total					8.2 GW	1,300 DKKm

Expected win rate of **40**% for these projects gives 3.3 expected GW. 40% seems reasonable given far lower expected competition in the floating market. Additional spending on ecological and sustainability initiatives and local collaboration should improve Ørsted's chances of realizing a 40% win rate

All bid ecological/sustainable emphasis projects

Tender name	Country	Auction format	Technology	Year	Capacity (GW)	DEVEX (DKKm)
PEZ	Belgium	Central	Fixed	2023	1	100
Princess Elisabeth 2	Belgium	Central	Fixed	2025	1.4	100
Princess Elisabeth 3	Belgium	Central	Fixed	2025	1.4	100
Round 10	France	Central	Fixed	2023	1	100
Round 12	France	Central	Fixed	2025	1	100
Germany N-11.1	Germany	Central	Fixed	2023	2	75
Germany N-12.1	Germany	Central	Fixed	2023	2	75
Germany N-12.2	Germany	Central	Fixed	2023	2	75
Germany N-3.5	Germany	Central	Fixed	2023	0.4	75
Germany N-3.6	Germany	Central	Fixed	2023	0.5	75
Germany N-6.6	Germany	Central	Fixed	2023	0.6	75
Germany N-6.7	Germany	Central	Fixed	2023	0.3	75
Germany 0-2.2	Germany	Central	Fixed	2023	1	75
Germany N-11.2	Germany	Central	Fixed	2024	1.5	75
Germany N-12.3	Germany	Central	Fixed	2024	1	75
Germany N-9.1	Germany	Central	Fixed	2024	2	75
Germany N-9.2	Germany	Central	Fixed	2024	2	75
Germany N-9.3	Germany	Central	Fixed	2024	1.5	75
Germany N-10.1	Germany	Central	Fixed	2025	2	75
2025 Auction	Germany	Central	Fixed	2025	5	75
Germany N-10.2	Germany	Central	Fixed	2025	0.5	75
					30.1 GW	1,700 DKKm

Expected win rate of **17**% gives 5.1 GW for these projects. A 17% win rate is below the historical average and should be easily attainable. Additional spending on ecological and sustainability initiatives and local collaboration should improve Ørsted's chances of realizing a 40% win rate