



hexicon

FLOATING WIND SOLUTIONS 2023
HOUSTON, TX

HEXICON IN BRIEF

EARLY-STAGE DEVELOPER AND TECHNOLOGY PROVIDER FOR DEEP WATERS

Vast floating experience

One of the few companies with over a decade of floating wind experience



Presence in key markets

Active in several key geographies



Partnership-based project development

Partnering with leading industry players



Asset-light business model

Low capital intensity and diversified business model



Patented Technology

Unique twin turbine technology

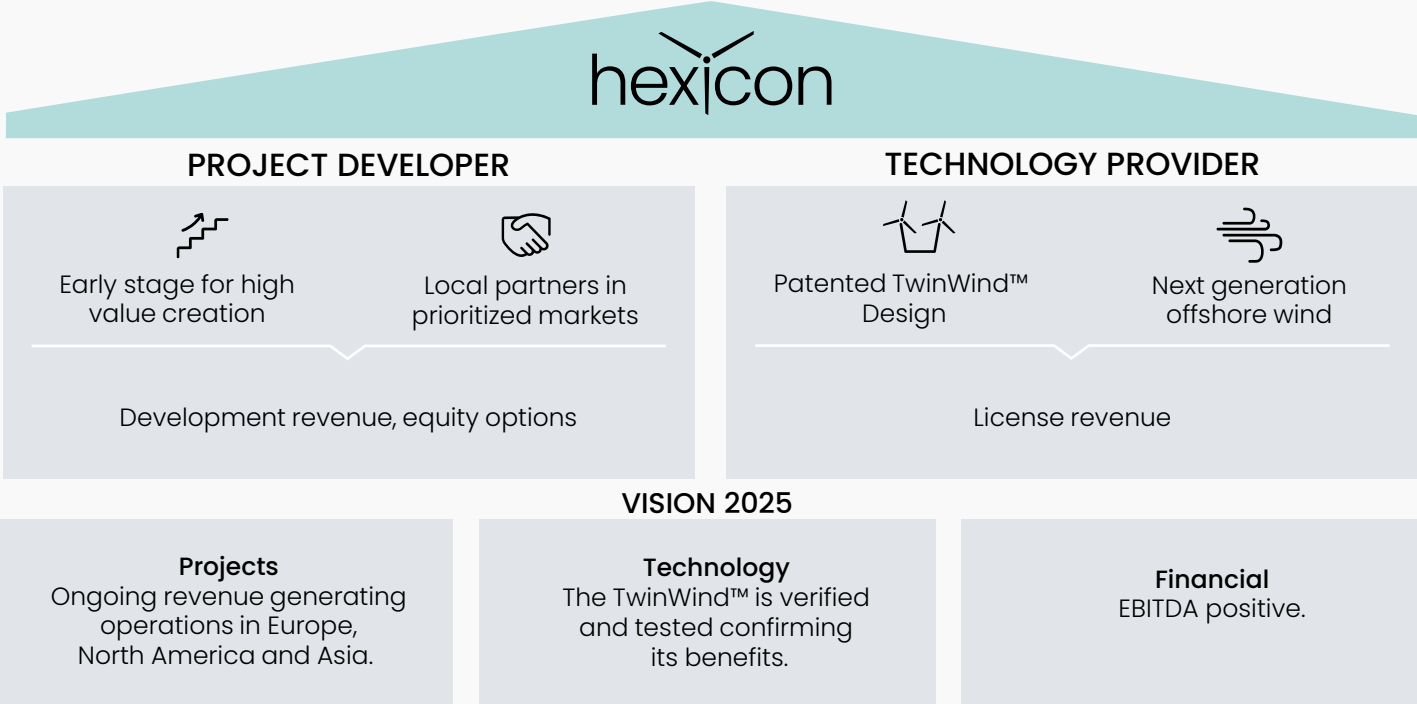


Rapid market growth

The floating wind industry is expected to more than double annually over the next 20 years



OUR DUAL BUSINESS MODEL



OUR DUAL BUSINESS MODEL

PROJECT DEVELOPER

Early-stage development

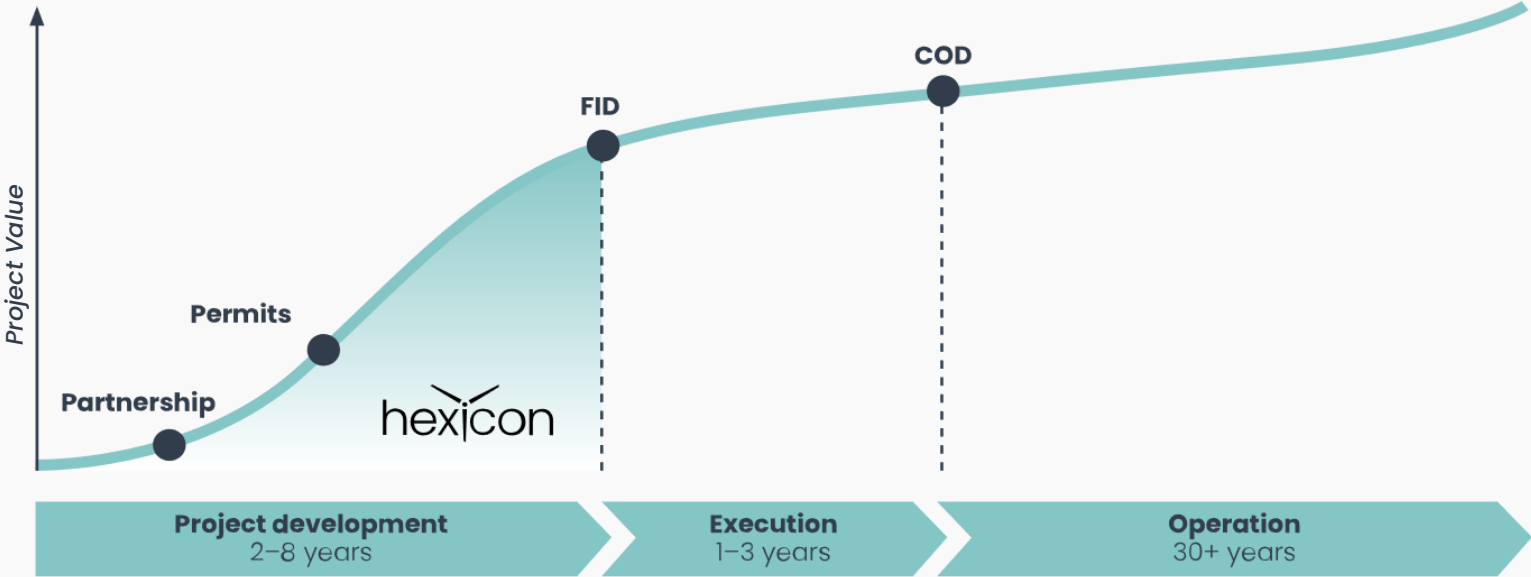
Hexicon are experts at finding the right opportunities and partners to develop projects from scratch

Mid-stage development

When the project and business case is mature enough Hexicon reaches out to its global network and find the best co-investor with which the project can be brought forward with towards the later parts of the development process and finally construction

Late-stage development

The late stage focuses on the expensive geotechnical and geophysical surveys needed together with detailed engineering, procurement and execution planning to prepare for construction. Hexicon will reach out to its global network to find the right consortium for the significant capex investment



FID – Final investment decision
COD – Commercial operation date

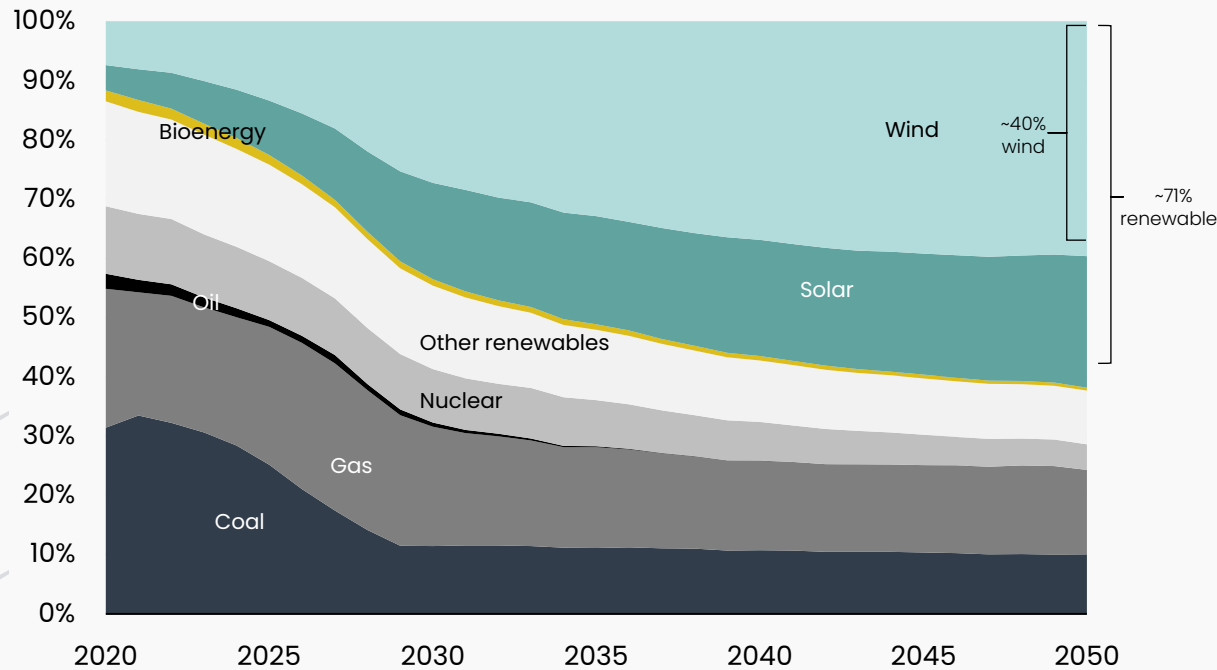
Construction
Hexicon can deploy a foundation solution to maximise project financials and minimize LCOE

I. PROJECT DEVELOPMENT EARLY-STAGE ORIGINATION AND DE-RISKING

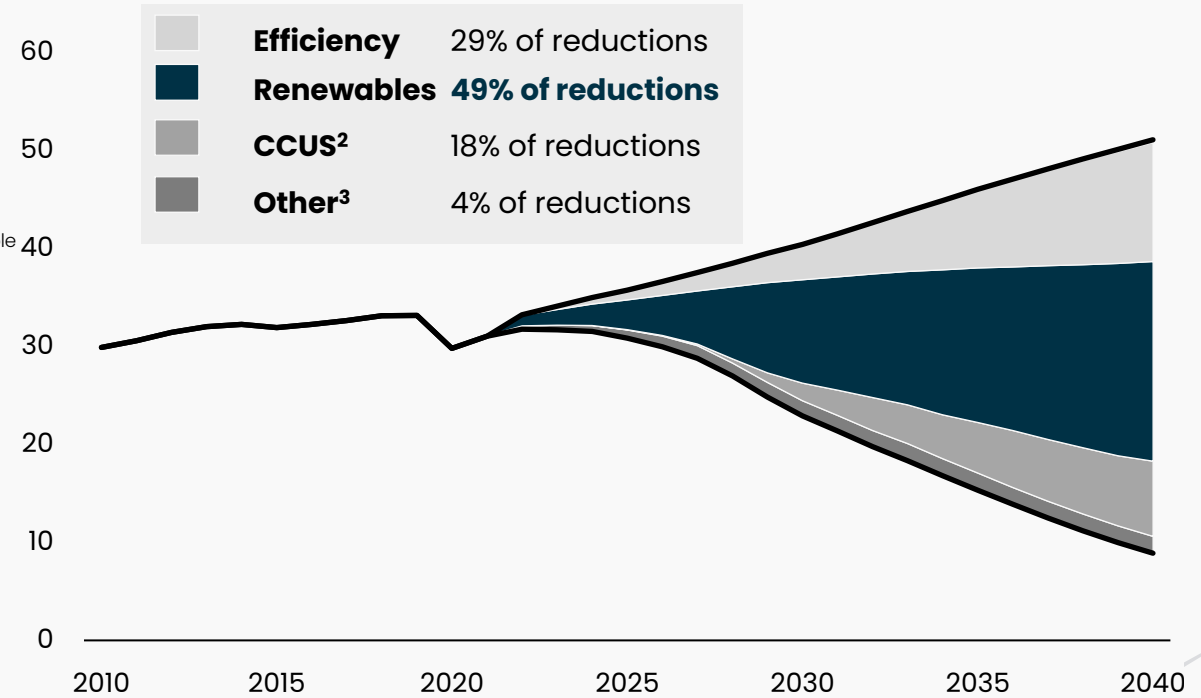
TRANSITION FROM FOSSILS

The energy transition will bring growth in variable renewables

RENEWABLES EXPECTED TO CONSTITUTE ~ 70% BY 2050²



CO2 EMISSION REDUCTION BY MEASURE 1)



Source: Bloomberg New Energy Finance 2021

1) Sustainable development scenario (bottom line), relative to stated policies scenario (top line)

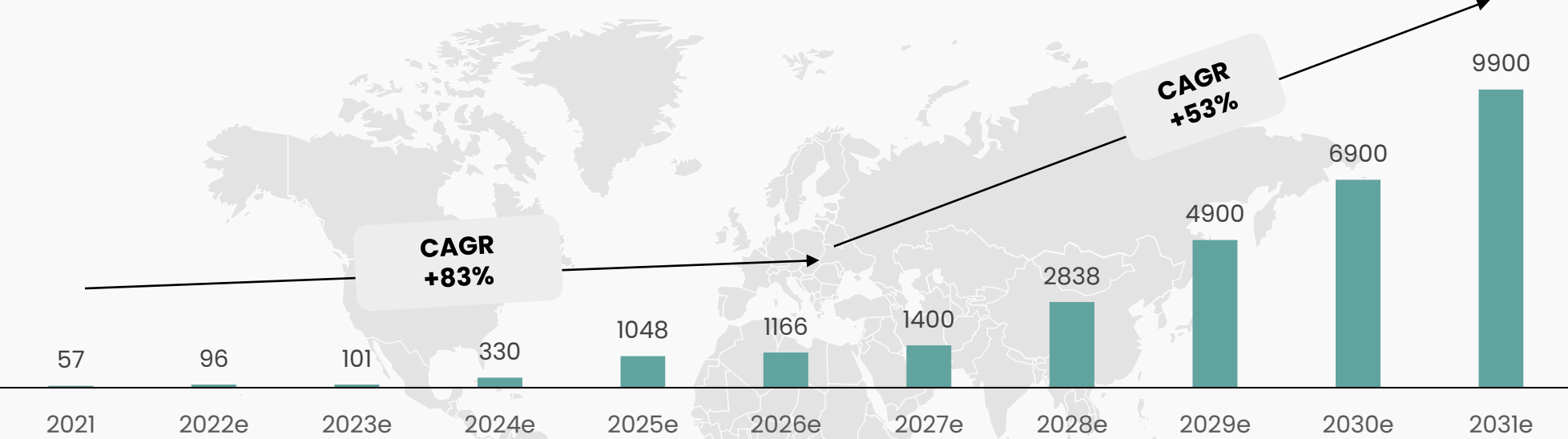
2) Carbon capture, utilization and storage

3) Includes fuel switching, nuclear and other

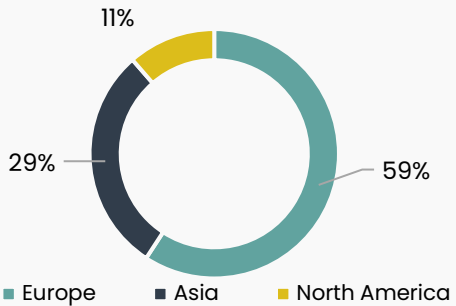
To achieve emission reduction objectives, deployment of wind and solar PV will have to accelerate substantially and will become dominant sources in various parts of any interconnected system.

SIGNIFICANT MARKET GROWTH AHEAD

NEW FLOATING WIND INSTALLATIONS, GLOBAL (MW)



CONTRIBUTION BY REGION, NEW INSTALLATIONS 2022-2031



OFFSHORE WIND DEEMED TO GROW

- 80% of the world's offshore wind resource potential lies in waters deeper than 60m
- Only 121.4 MW of net floating wind capacity is in operation worldwide, accounting for 0.2% of the total installed offshore wind capacity.

Source: GWEC | GLOBAL OFFSHORE WIND REPORT 2022

CONCEPTUAL PROJECT CASHFLOW – HEXICON VALUE CREATION



Early-stage development

Hexicon are experts at finding the right opportunities and partners to develop projects form scratch.

Late-stage development

When the project and business case is mature enough Hexicon reaches out to it's global network and find the best co-investor to bring the project towards construction with

Construction

Hexicon can deploy a foundation solution to maximise project financials and minimize LCOE













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Only share with the intendent recipient

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PROJECT PORTFOLIO – +12 GW OF ACTIVE DEVELOPMENT

	PROJECTS						PROSPECTS			
	 South Korea	 South Korea	 Scotland	 Sweden	 England [★]	 Italy	 South Africa	 Spain / Portugal	 Ireland	 Italy
Name	MunmuBaram	Pohang	Pentland Floating Wind Farm	Freja Offshore	TwinHub	AvenHexicon	GenesisHexicon	WunderHexicon	TBA	AvenHexicon
Location	Ulsan	East coast	Dounreay	Multiple	Cornwall	Multiple	Richards Bay	Canary Islands, NW Portugal	West Ireland	Multiple
Estimated gross capacity	~1,300 MW	900 MW	100 MW	+3,000 MW	32 MW	7,100 MW	800 MW	TBA	~2,000 MW	2,550 MW
Hexicon's stake	20%	30%	10%	50%	100%	50%	50%	75%	100%	50%
Site(s)	Secured	Secured	Secured	Identified	Secured	Secured	Identified	Selection ongoing	Identified	Identified
Target FID / COD	2025/2027	TBA	2024/2026	2027-/2029-	2023/2025	TBA	TBA	TBA	TBA	TBA
Partner(s)	Shell Overseas Investments B.V	Hexicon Korea	CIP	Mainstream Renewable Power	Bechtel	AvapaEnergy	Genesis Eco-Energy	Wunder Sight Group	Killybergs Fishermen's Org.	AvapaEnergy
FID – Final investment decision COD – Commercial operation date						Gross projects: +12,400 MW Net projects: +5,500 MW		Gross prospects: +5,300 MW Net prospects: +3,500 MW		

1 MW ≈ 1,000 households, 'rule of thumb' industry standard

★ TwinWind™ technology demonstration project backed by UK AR4 CfD Contract. Designed expressly to commercialize Hexicon's technology. All other projects are technology-neutral (i.e. floater selection will reflect the best available solution for the project conditions and project timelines).

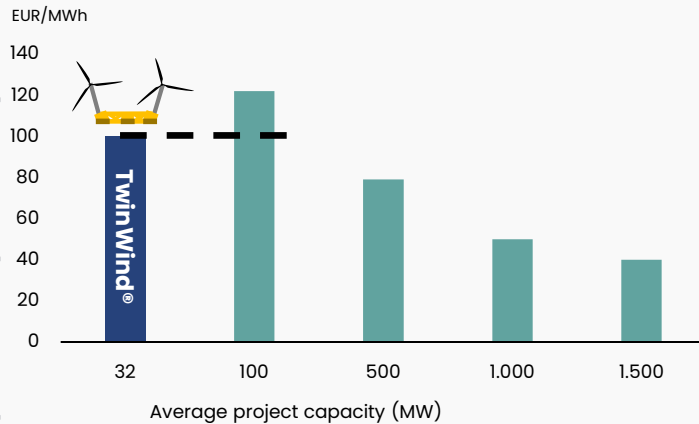
II. FLOATING TECHNOLOGY

SCALE AND INDUSTRIALISATION OF THE VALUE CHAIN IS KEY TO GETTING COMPETITIVE LCOE

Key measures to lower LCOE

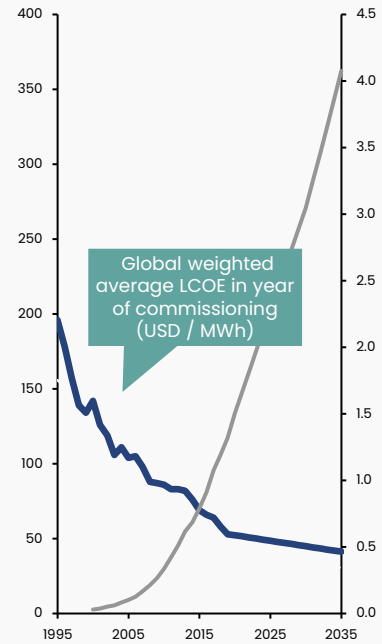
- ➔ Accelerate the scale of deployment
- ➔ Develop strategic supply chain
- ➔ Drive innovation through test and demonstration

Projected LCOE based on average project capacity¹



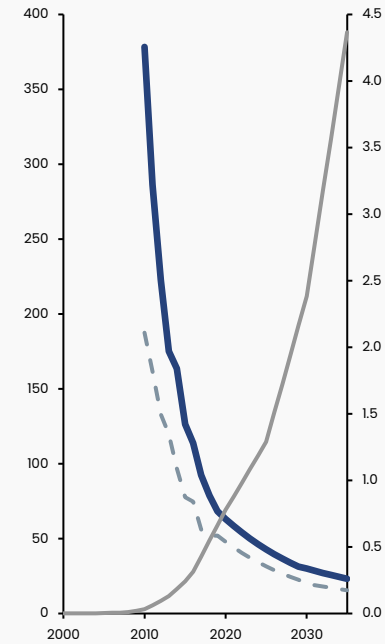
Revolution 1 (1990s) Onshore wind²

LCOE, USD/MWh Generation, '000 TWh



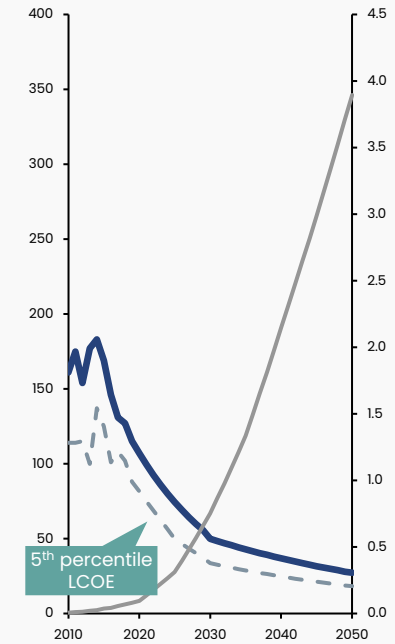
Revolution 2 (2000s) Solar PV²

LCOE, USD/MWh Generation, '000 TWh



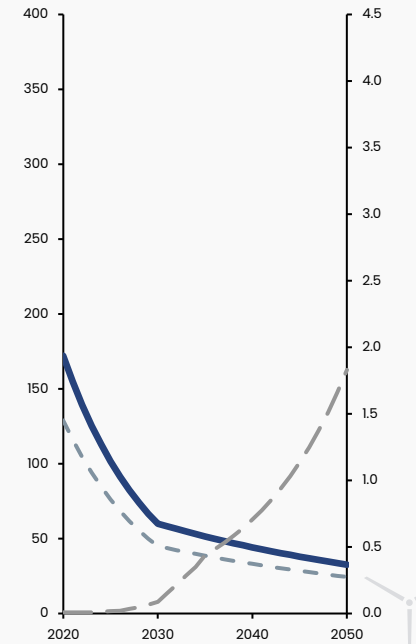
Revolution 3 (2010s) Offshore shallow-water wind²

LCOE, USD/MWh Generation, '000 TWh



Revolution 4 (2020s) Deep-water wind²

LCOE, USD/MWh Generation, '000 TWh



Source: 1) The Carbon Trust 2) IRENA 2019; Fraunhofer ISE, McKinsey Energy Insights Global Energy Perspective, April 2020
 2) Full lines represent the global weighted average LCOE in year of commissioning (USD / MWh), while the dotted lines represent the 5th percentile LCOE globally – the highest quality projects



TwinWind™

Cutting edge technology



Minimal environmental impact



Higher power density



Increased flexibility in site selection



Access to better wind conditions

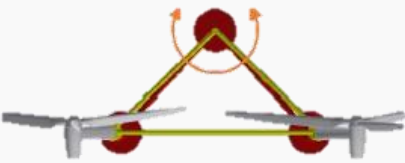


Efficient maintenance



Lower levelized cost of energy

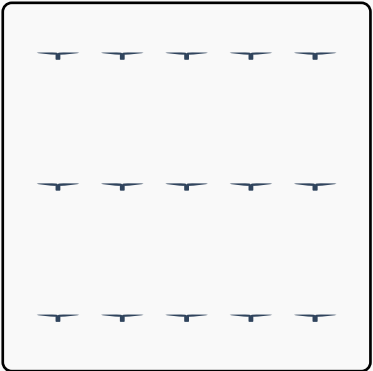
TWINWIND TECHNOLOGY



Turret mooring and passively vanes to wind direction

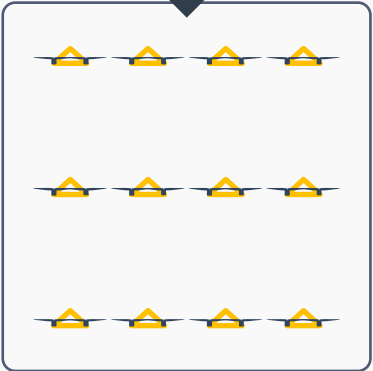


Tension leg or catenary mooring systems for minimal environmental footprint



Single turbine wind farm

- 15 turbines
- Mooring and cables for each turbine



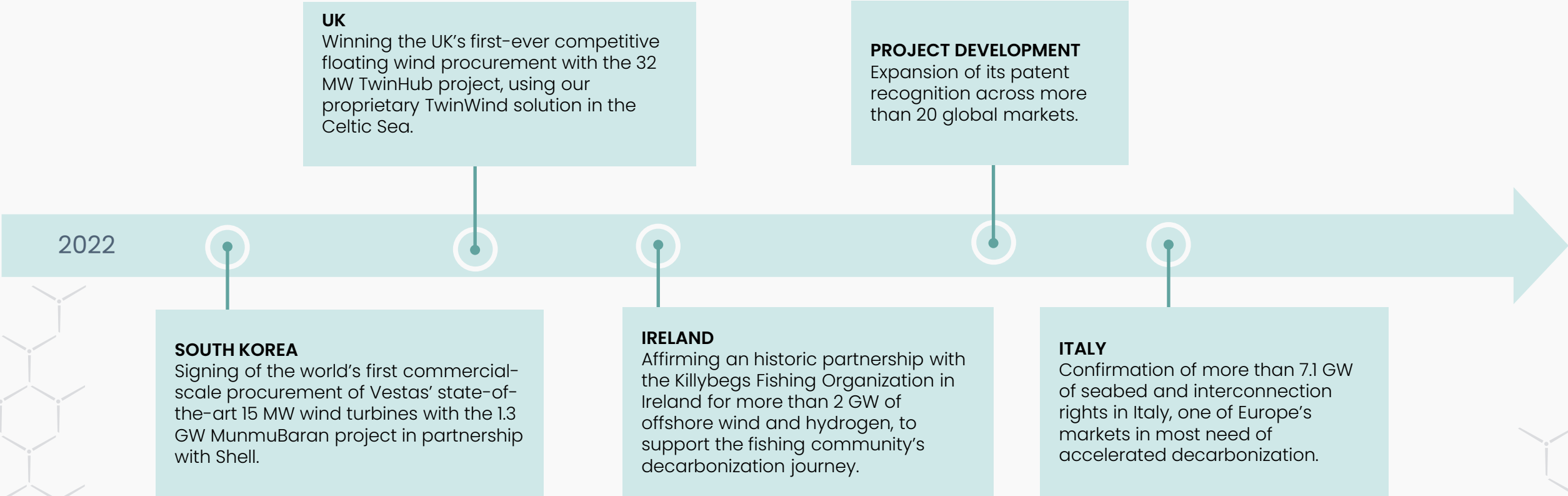
Hexicon twin turbine wind farm

- 24 turbines
- 45% more capacity and electricity
- 33% less cable

= Lower LCOE

2022 HIGHLIGHTS MARKET EXPANSION

Q3 HIGHLIGHTS



2023 LOOK AHEAD

PORTFOLIO GROWTH AND TWINWIND COMMERCIALIZATION

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KEY MARKETS



Estimated FID:

2.3GW < 2026

11.5GW ~2027-2028

+5GW > 2028 (early opportunities)

Total: ~20GW, Hexicon Share: +7.5GW

HALF PLATFORMS AND ARRAY CABLES. GREATER SPACING.

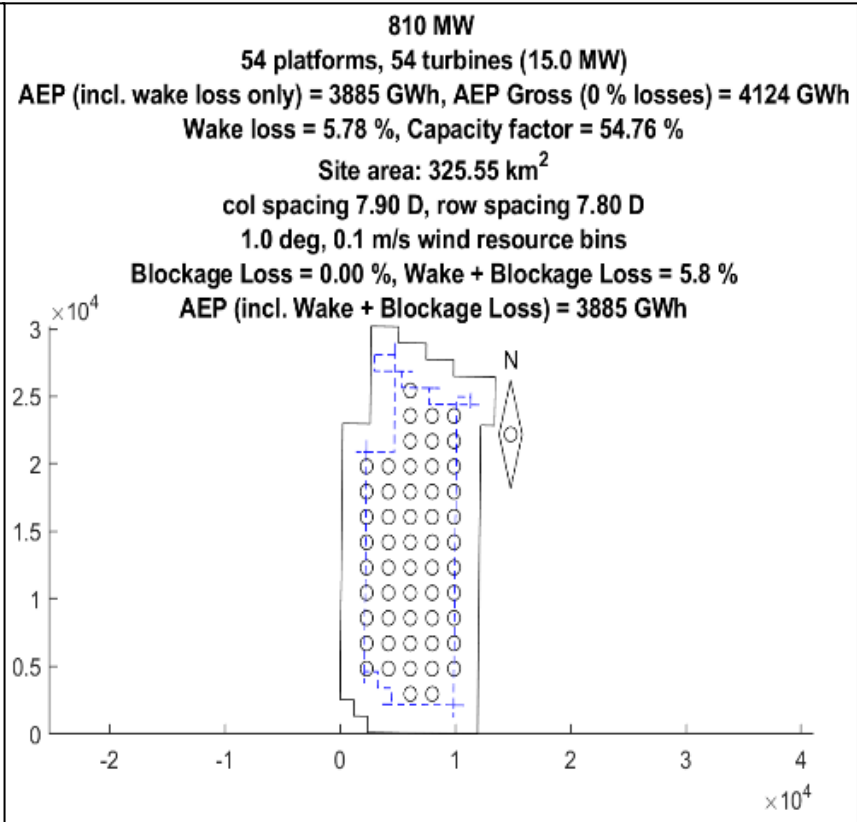
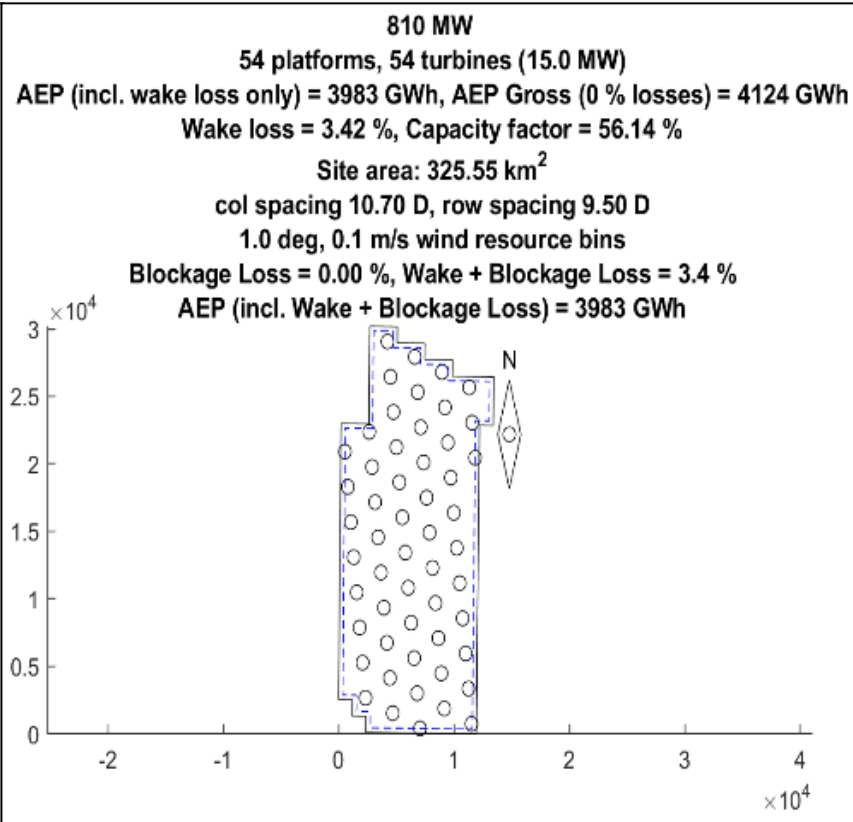
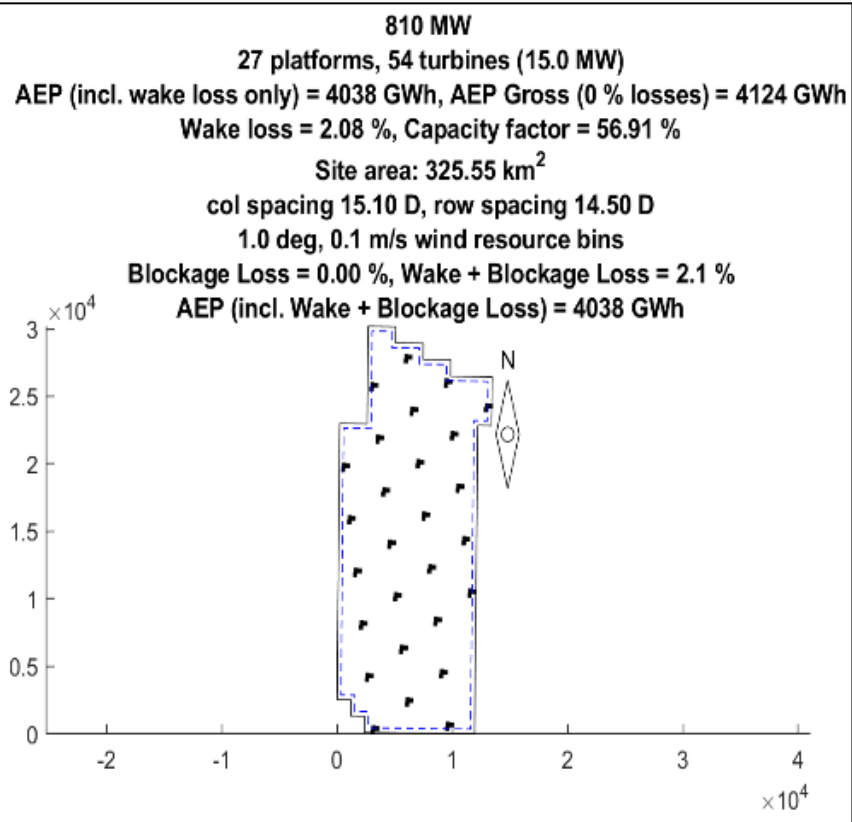
+55 GWH MORE AEP.



TwinWind™ with TLP

Single with TLP

Single with catenary



California Example Case: Morro Bay Central

PREPARING FOR LARGE-SCALE DEPLOYMENT



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