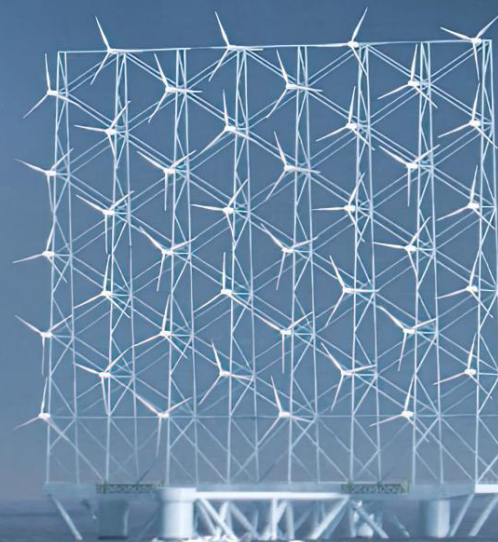
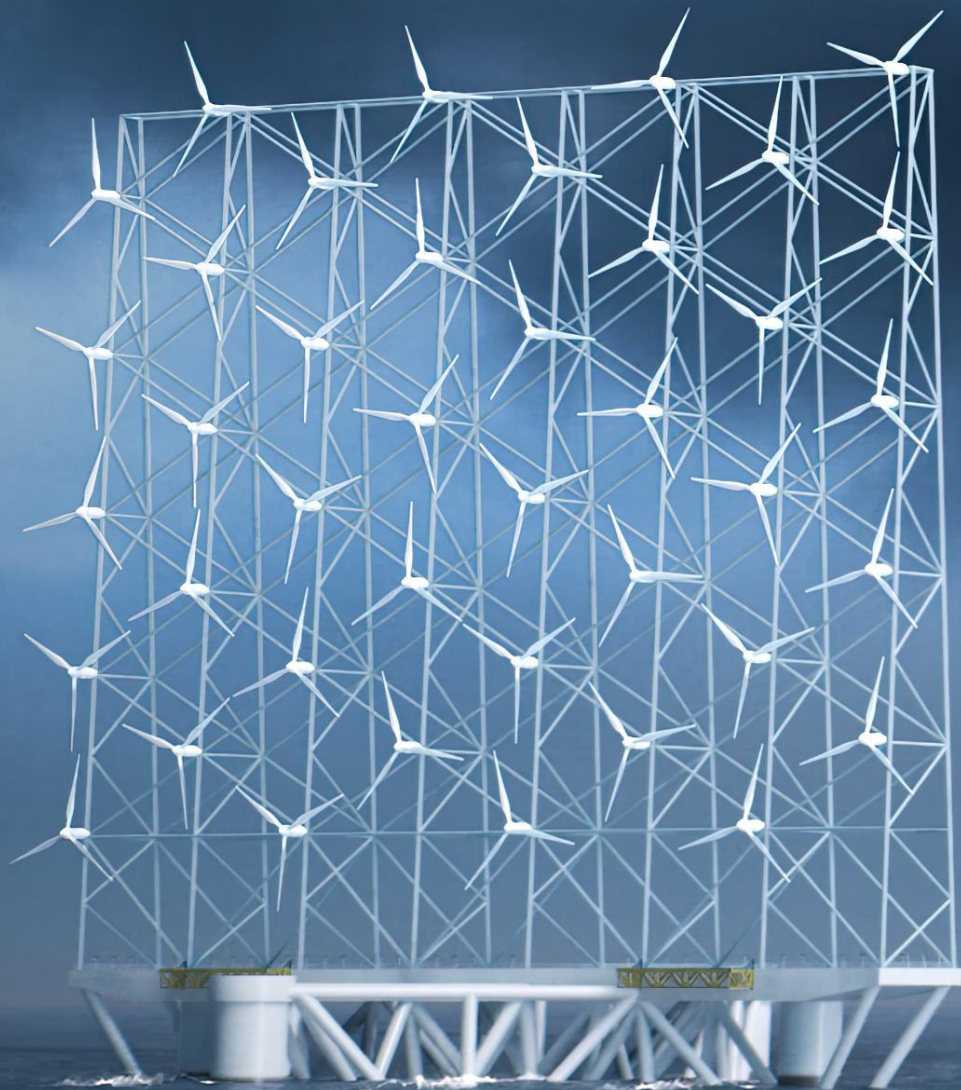


Wind Catching Demo

Magnus Bakken, CCO and Project Manager

WIND
CATCHING 



WIND
CATCHING 



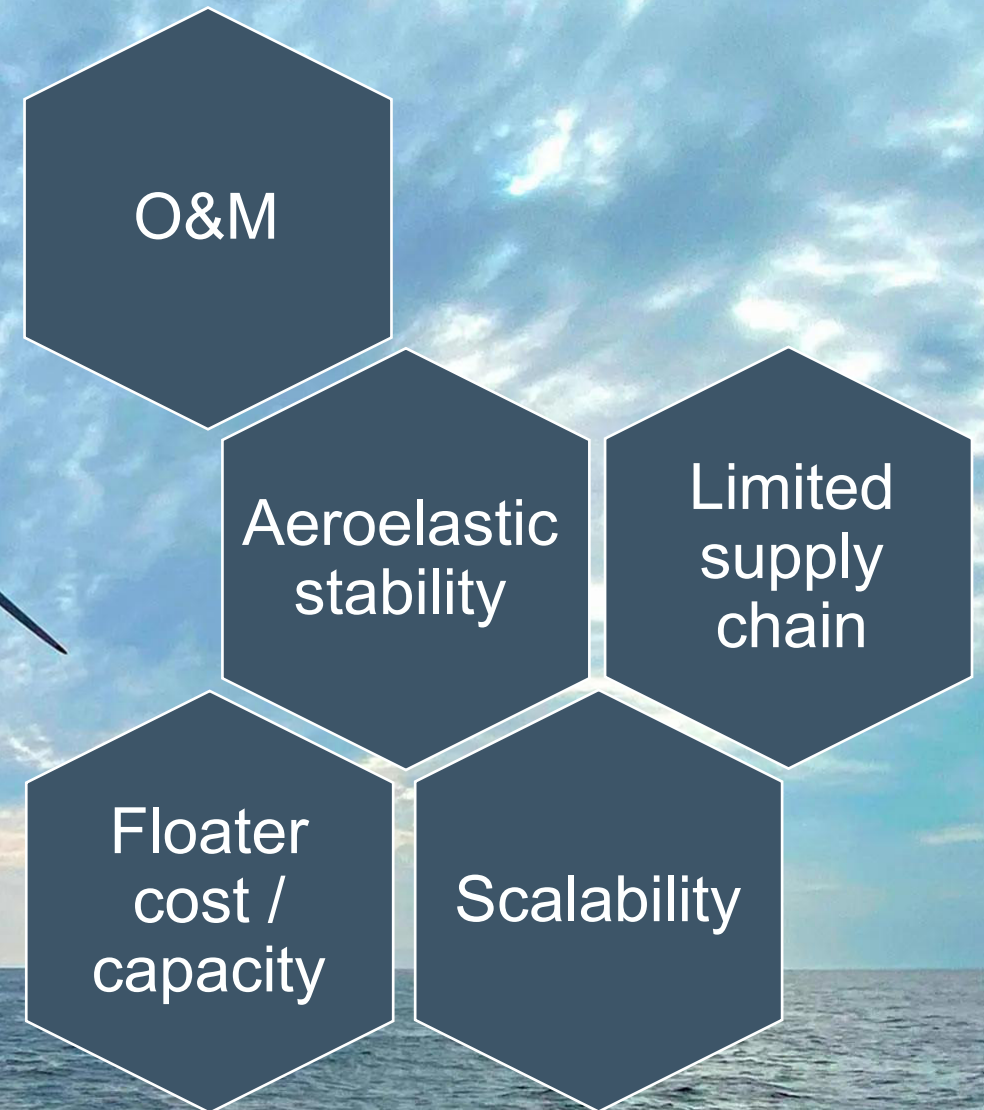
FERD



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**FOUNDERS AND
MANAGEMENT**

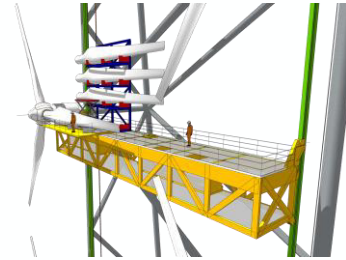
Challenges with floating wind



Disruptive O&M capabilities

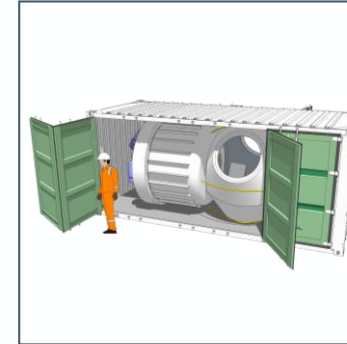
1

- ✓ Integrated turbine handling system with onboard repair and replacement of parts and turbines
- ✓ No return to shore and no crane vessel required - reducing O&M cost



Standardization, mass production, transportation

2



- ✓ Standardized design enabling a flexible and local supply chain in addition to easy transport in containers
- ✓ Mass production of small turbines available in all relevant regions with high local content opportunity

WIND
CATCHING

lowering LCOE
through
solving key
challenges

Turbine CAPEX, OPEX and supply chain

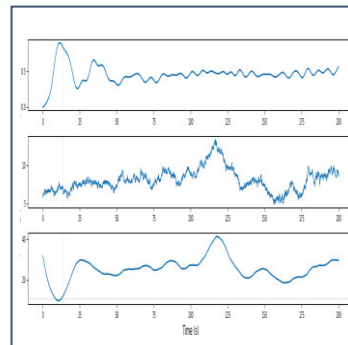
3



- ✓ Due to scaling laws, significantly lower total mass and cost of turbines.
- ✓ Greater supply chain for smaller turbine components
- ✓ Lower offshore wind entry requirements for OEMs

Loading, Energy capture & stability

4

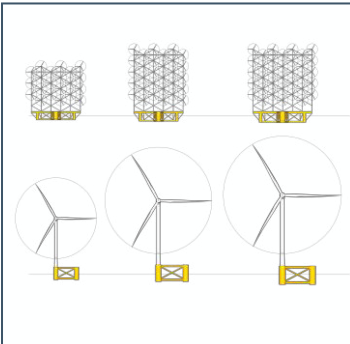


- ✓ No issues with aeroelastic stability of large blades
- ✓ Significantly reduced peak thrust loads due to rotor averaging
- ✓ Increased energy capture due to blockage and individual turbine control

Efficient capacity scaling

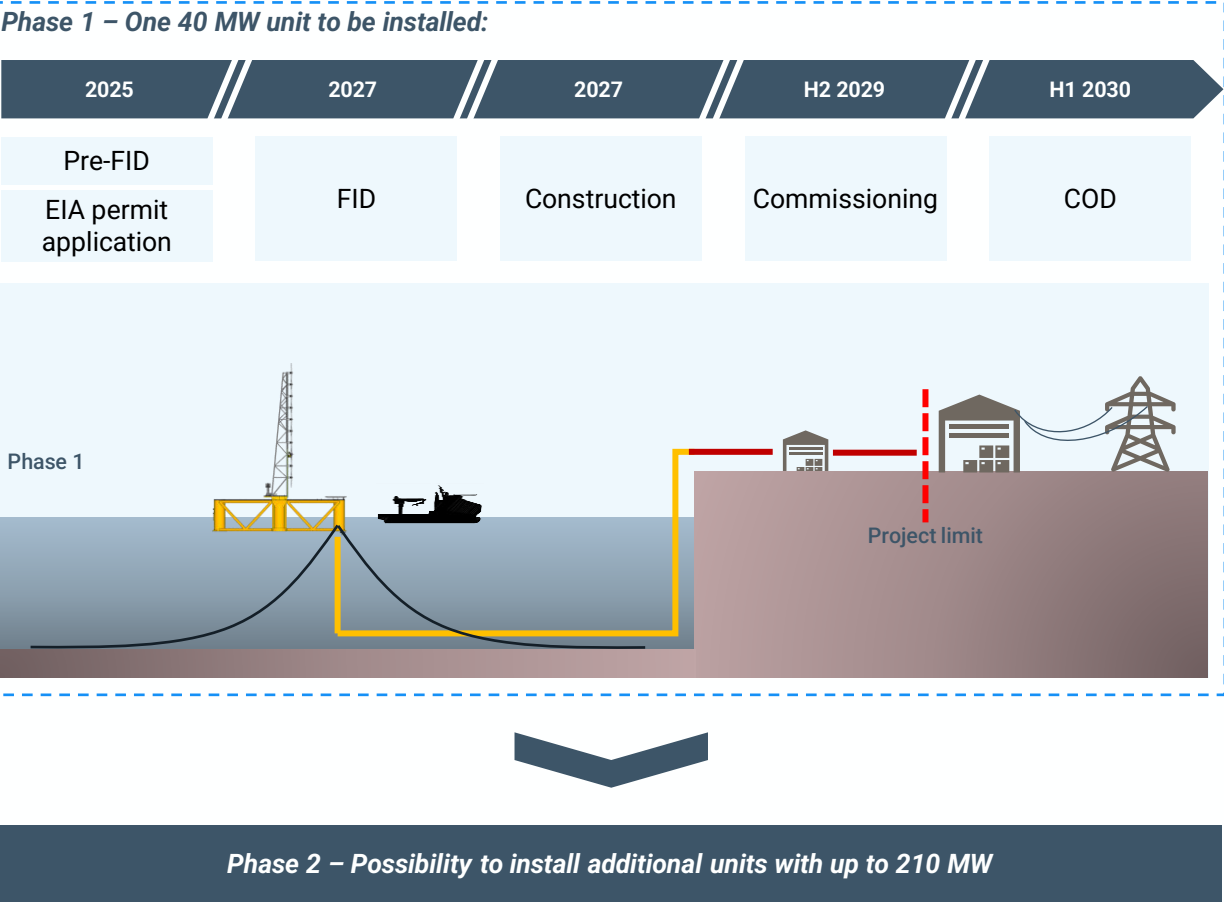
5

- ✓ The technology allows for scale with number of turbines instead of the turbine size
- ✓ Multi-rotor technology enables scaling of installed capacity, limiting the need for developing new turbines



Wind Catching Demo project overview

Wind Catching demo with 30 years operational lifetime



To be installed near Vestavind D, funded together with partners

Project location

Key stakeholders

		Undisclosed OEM
Leading offshore wind developer as main partner	Granted EUR 105m in Jan'25 for construction	Collaboration on turbine system with CapEx and O&M focus

Wind Catching Demo

WIND
CATCHING

Wind
turbines

Cable route
South option

Cable route
North option

Cable route
Onshore

Øygarden
Trafo

Austre Båtevika

Osundet

Kvernepollstraumen

Kvernapollen

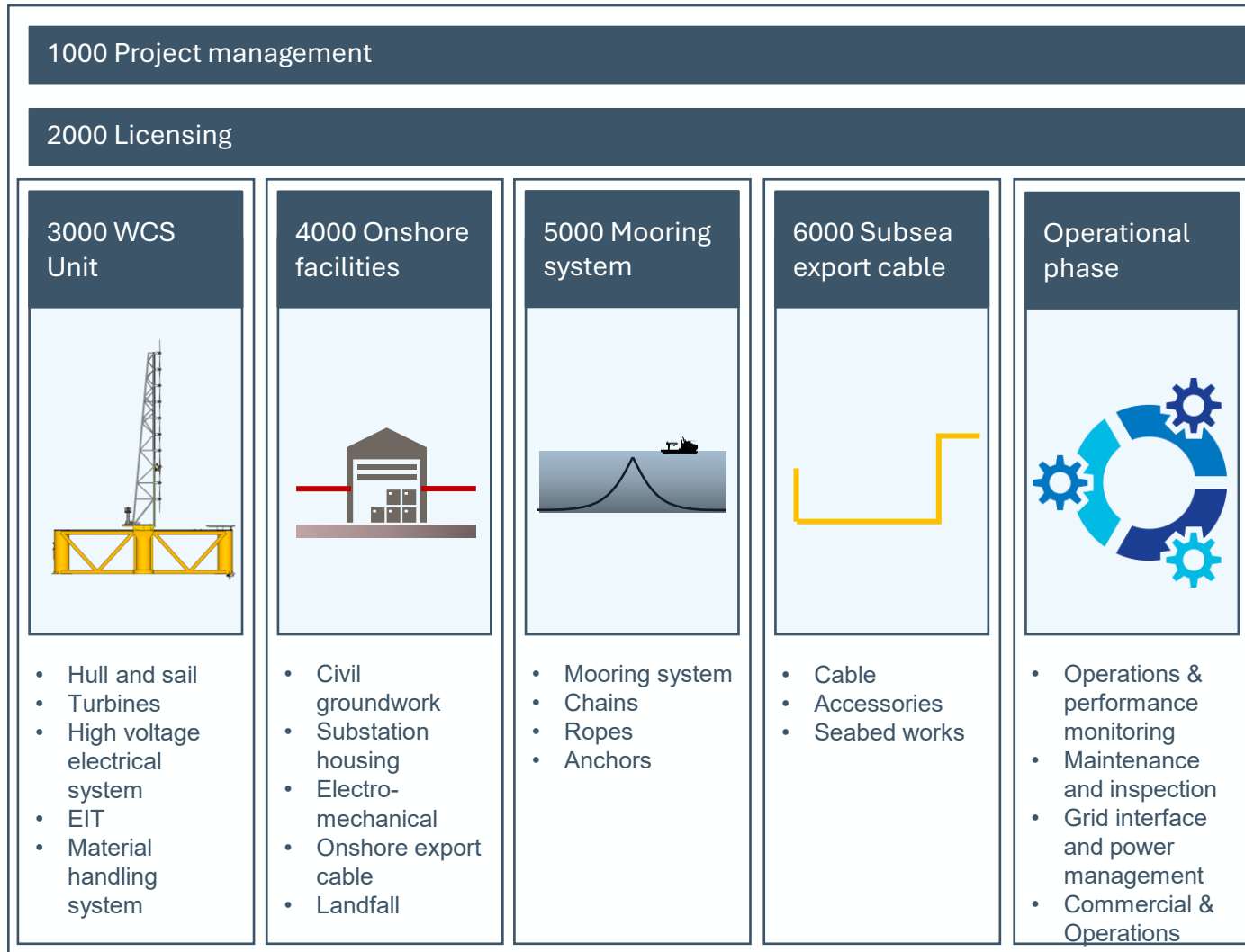
Sløyviken

Hjartoyna

Herdlevær

Hellesøyna

Wind Catching Demo - Work packages



FID Deliverables

Project Management

- PEM & Schedule; HSE & Quality Plans; Stakeholder & Permitting Status, Risk & Mitigation Assessments

Regulatory & Legal

- Permits; Landfall/Onshore Cable Approvals; Legal & Due Diligence Review

Procurement & Yards

- Fabrication yard shortlist; Procurement strategy; Vendor pre-qualification; Yard availability & capacity; Contracting strategy

Windcatcher unit

- Hull, Sail, Turbines, HV system, Elevator, Control system

Electrical & Grid

- Grid Connection Agreement; Electrical System Concept; Load Flow & Compliance Studies

Installation & Logistics

- Installation Strategy & Schedule; Assembly yard Marine Operations & Logistics Plan

Site & Environment

- Metocean Data & Analysis; Geophysical & Geotechnical Surveys; Environmental & Marine Risk Assessments

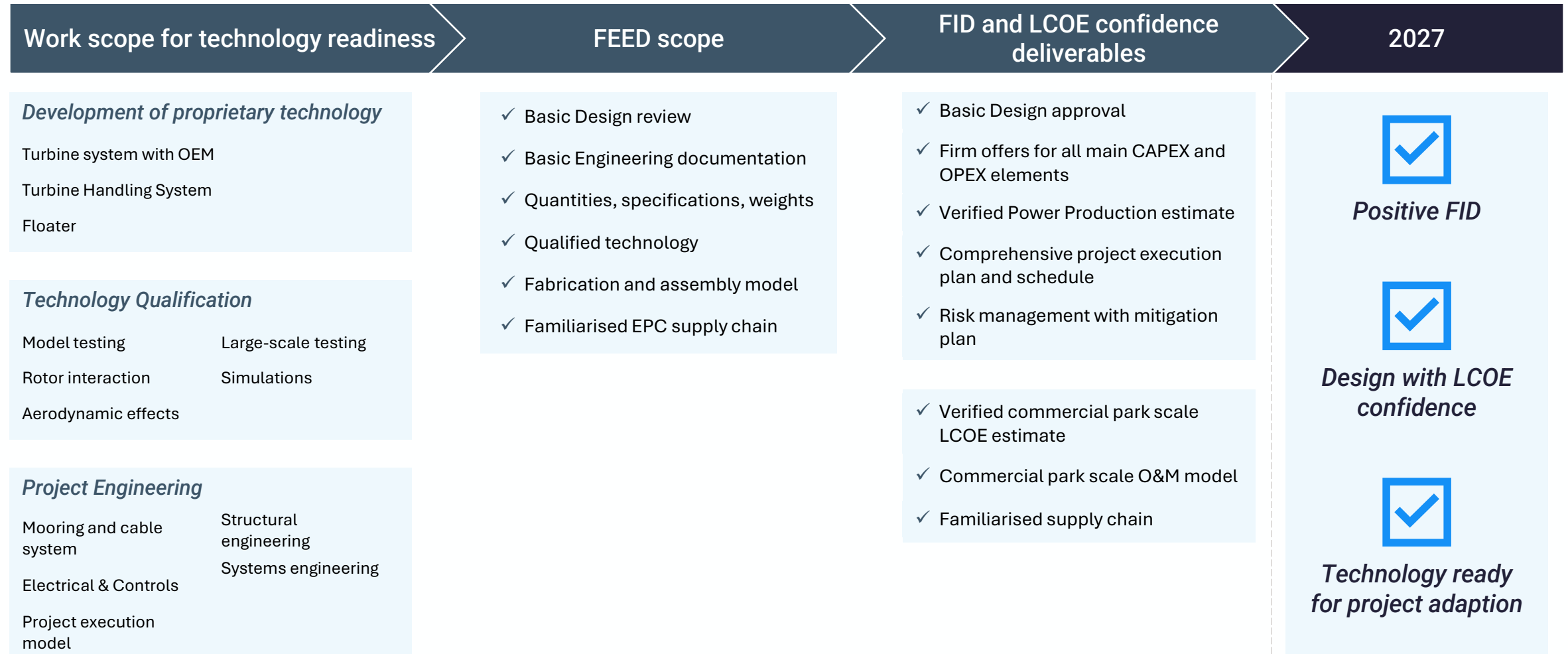
Operations & Maintenance

- O&M Strategy; Reliability/Availability Model; OPEX Estimate & Maintenance Plan

Commercial & Financial

- CAPEX/OPEX & LCOE Estimates; Energy yields/Power curves, Financial Model; Insurance and Warranties

Key activities in 2025-2027 to mature technology



Thank you!

