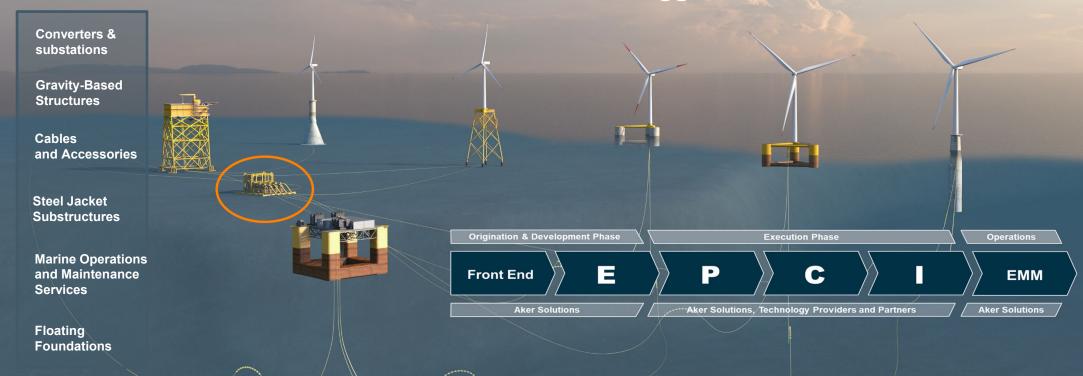


Aker Solutions | Complete Technology Portfolio in Offshore Wind

Renewables and Low Carbon to Become our Biggest Business in 2030



Aker Solutions' Energy Transition Targets

Renewables and Low Carbon

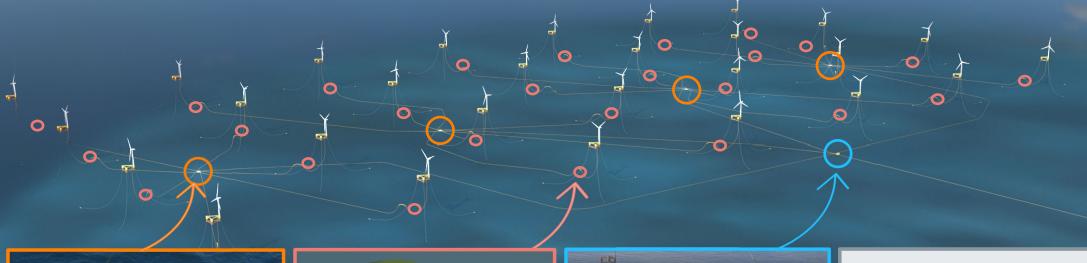
1/3 of revenues by 20252/3 of revenues by 2030

Reducing Emissions

50% by **2030 Net zero** by **2050**



Ready for market in 2024 – Doing more with less



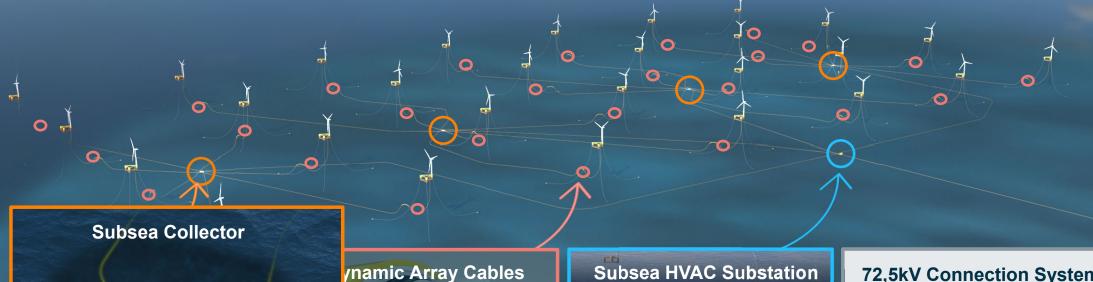








Ready for market in 2024 – Doing more with less



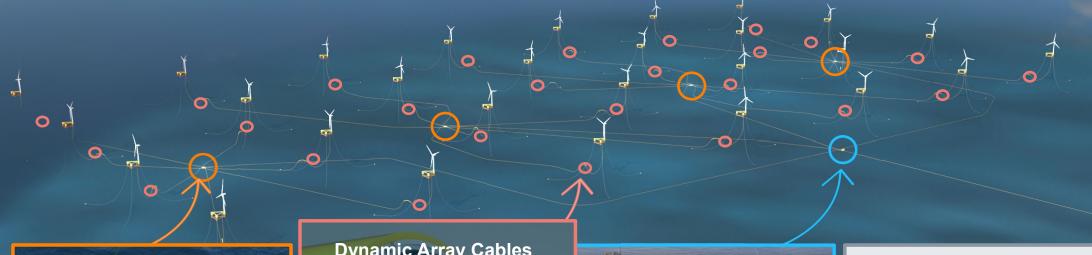








Ready for market in 2024 – Doing more with less

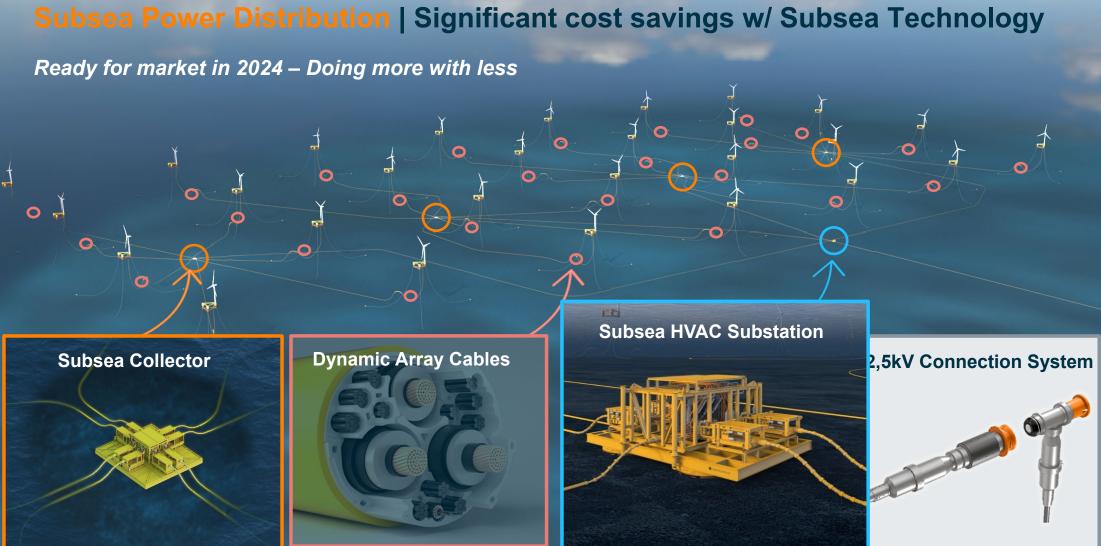




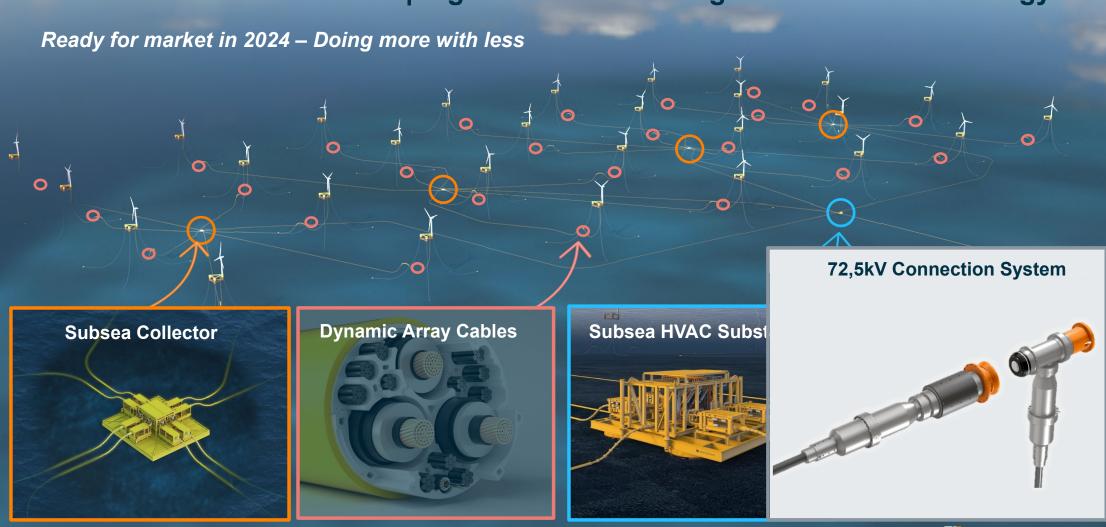












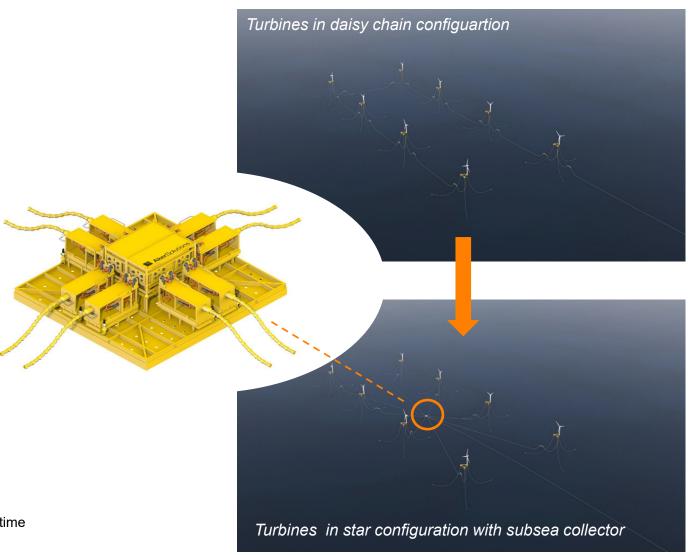
Subsea collector

- Collects power from 8 wind turbines
- Star configuration
 - Cable cross section standardization
 - Simplified installation
- Key components:





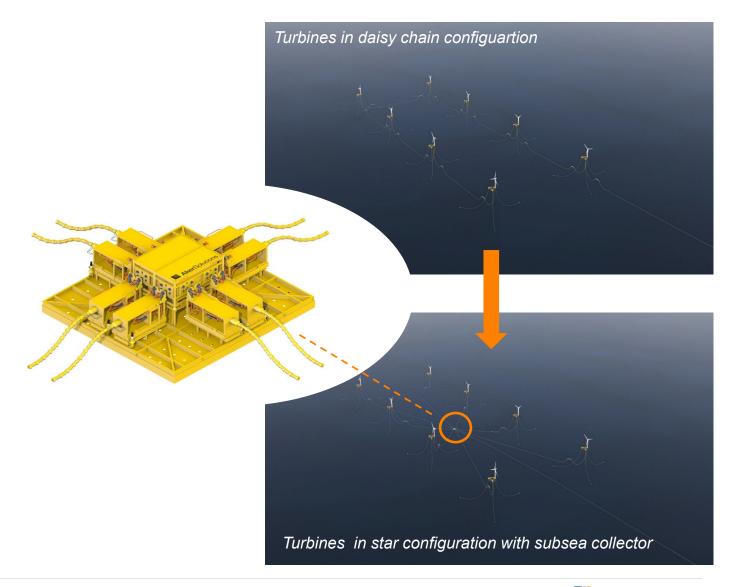
- Modular + flexible
- Enhanced busbar functionality
 - String disconnection → Minimal system downtime



AkerSolutions

Subsea collector

- Standardization of:
 - Floaters
 - Turbines
 - Turbine towers
 - Mooring
 - Cable cross-sections
- Supply chain de-bottlenecking
- Simple installation and handling
- Reduced material use
- Significant cost savings
 - OPEX and CAPEX
- First delivery feasible in 2026



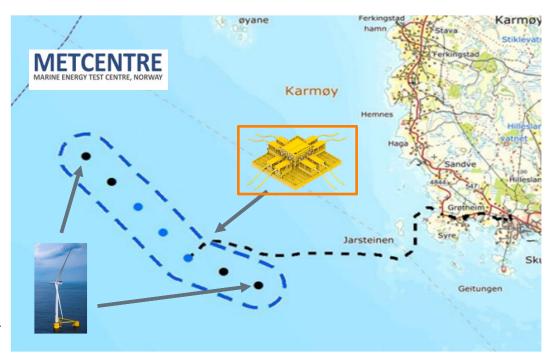
FEED Study | METCentre

- Extended license: 3 → 7 slots
- 66 kV subsea collector as preferred solution
- Operation in 2026 → First subsea collector in water
- Suited for this application
 - Interchangeable design
 - Simple disconnection
 - Testing of one turbine will not affect others
- Industry collaboration
 - Build competence
 - METCentre, Aker Solutions, ABB, Benestad, Windstaller Alliance (Aker Solutions, DeepOcean, Solstad Offshore)









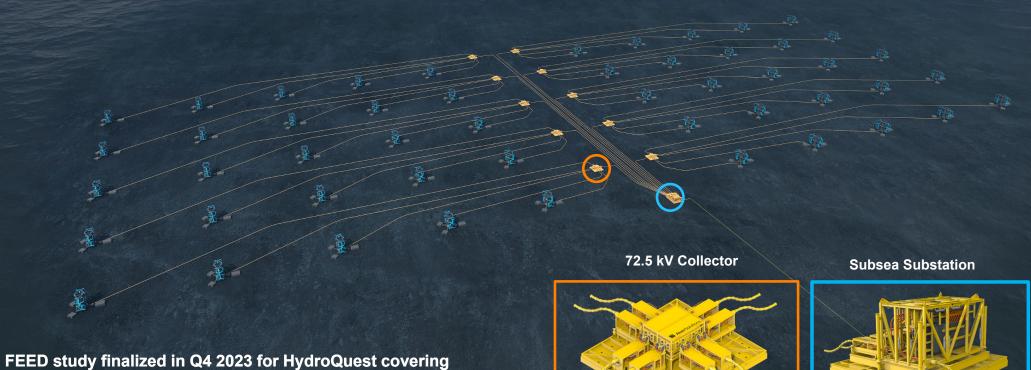
What is the METCentre?

- Marine Test Energy Centre
- Offshore Wind Test Center outside Karmøy
- Provides concessions, infrastructure and services for testing in deep waters (200+ meters)
- World's first floating wind turbine, Hywind Demo was tested here by Equinor in 2009



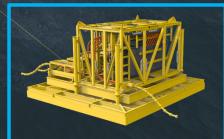
FLOWATT Pilot | Subsea Power System for Tidal

250 MW tidal park example including Subsea Substation and Subsea Collector



power system with cables, connectors and subsea hub for the FLOWATT Pilot to be installed in Raz Blanchard, France 2026



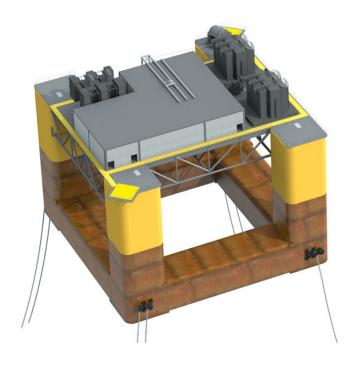


A0 More information that could be included for the FloWatt FEED?

Author; 2023-12-27T09:13:52.704

Wrap-up

- Exciting things ahead in the subsea industry related to renewables
- Subsea collector and subsea substation both qualified by first half 2025
- Subsea solution benefits:
 - Simple installation, modularity, standardization, flexibility, maintenance free
 - Cost savings
 - Compact solutions, reduced material use, reduced CO₂ footprint











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