Exploiting the potential of deep-water offshore wind

ICEF 2023
Bjørn Simonsen
CEO
Global offshore wind potential is massive, but in deep oceans.


Global wind power potential less than 200 km off shore is 71,000 GW. More than 70% of this is only suited for floating offshore wind.
Exponential growth in offshore wind and the sector expected in the coming decade.

Source: Global Wind Energy Council
100+ variations of floater concepts are being developed - all to replicate land
We need to think differently.
Our turbine accommodates for local manufacturing and supply chains

**REDUCED COMPLEXITY**

Lower manufacturing barriers to entry
- Local manufacturing easier to set up due to less specialized parts and materials such as
  - Shorter blades
  - Fewer complicated control systems (no blade pitch or nacelle yaw system)
  - Concrete spar
  - Gluelam mast & blades

**SIMPLE DEPLOYMENT**

Leverage local assets for assembly and installation
- Complete assembly in port (turbine and foundation), allowing utilization of local shipyards and removing need for specialized assembly vessels
- Turbine towed to site while floating horizontally, allowing the use of local tugboats for installation

**EASE OF LOGISTICS**

Ability to utilize local O&M players
- Turbine can be towed back to shore for larger maintenance, increasing life-time and utilizing local shipyards
Some call what we do “floating wind’s Tesla moment”
..we call it the most logical way of harvesting wind off shore.