Offshore Floating Wind Power
Science meets Industry
Kristiansand, January 29th, 2019
Odd Olav Vatne,
Front End, Aker Solutions
Our Vision

A leader in forging a sustainable future for the global energy industry and the world it serves
Global Potential for Offshore Floating Wind
Industrializing Floating Wind

**Prototype**
- 1 unit
- 2-4MW

**Pre-Commercial**
- 4-6 units
- 25-50MW

**Commercial**
- 10-50 units
- 100-500MW

**Industrialized**
- 50-100 units
- 1GW+
Cost-Effective, Proven Technology

- Alliance with Principle Power
- **WindFloat** is currently one out of two proven floating foundation concepts for offshore wind turbines
- WindFloat **lowers costs and risks** related to installation and operations of floating offshore wind turbines
- Can be applied to **various turbine sizes** and water depths
Aker Solutions will be a leading provider of offshore wind solutions

160+ FLOATING STRUCTURES DELIVERED

5 YEARS PROVEN WINDFLOAT TECHNOLOGY

500 FRONT-END ENGINEERS IN MORE THAN 50 LOCATIONS
Long Experience, Unique Expertise

Floaters
Design One, Build Many

Substations
HVAC and HVDC, Floating and Fixed

Dynamic Cables
Leading Subsea Cable Provider
RCEA Project, Humboldt Bay, California
Floating Wind Norway – Ambitions and Opportunities

- Norwegian Ministry of Energy & Petroleum
  - Two areas in the Southern North Sea
  - Targeting power by 2025
- The Southern North Sea is a sweet spot for offshore wind
- Industry readiness
- Synergies with oil and gas
Building blocks and supply chain opportunities
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