

Wind Power for Oil & Gas

Oslo, September 6th, 2018 Astrid Skarheim Onsum, Head of Wind, 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

PROVEN WINDFLOAT

500 FRONT-END ENGINEERS IN

MORE THAN 50 LOCATIONS

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Photo: Principle Power

Knowledge and Technology Transfer





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



Windfarms and Beyond

Brownfield Oil & Gas

Power solutions on existing field developments

Greenfield Oil & Gas

Sustainable power on new field developments

TIMBON

Increased Oil Recovery

Life extension on existing fields

Enabling Marginal Fields

Powering boosting and other marginal field technology



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