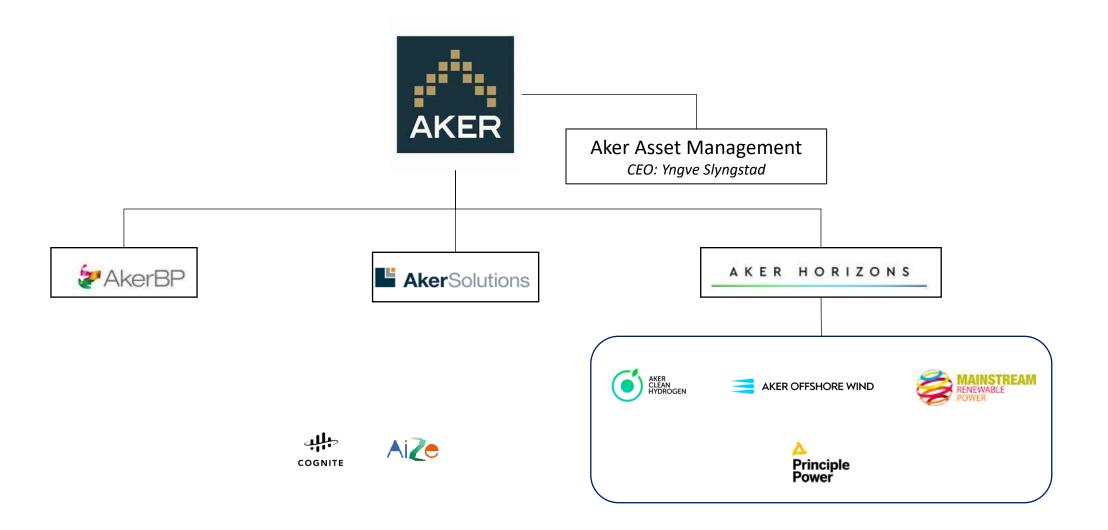


## **Floating Offshore Wind Poland**

Spotkanie Pomorskiej Platformy Rozwoju – 16.05.2022 Malte Paul – Aker Offshore Wind Europe GmbH

## **Aker Companies**





## Leveraging the Aker Ecosystem of Companies







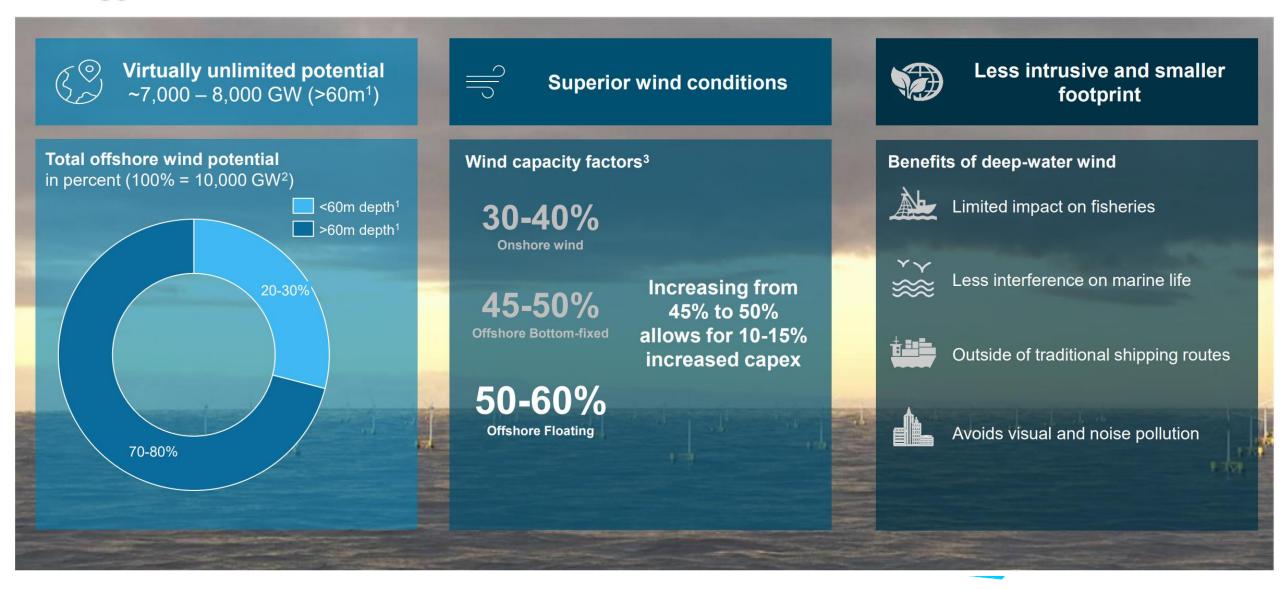
جلب

COGNITE

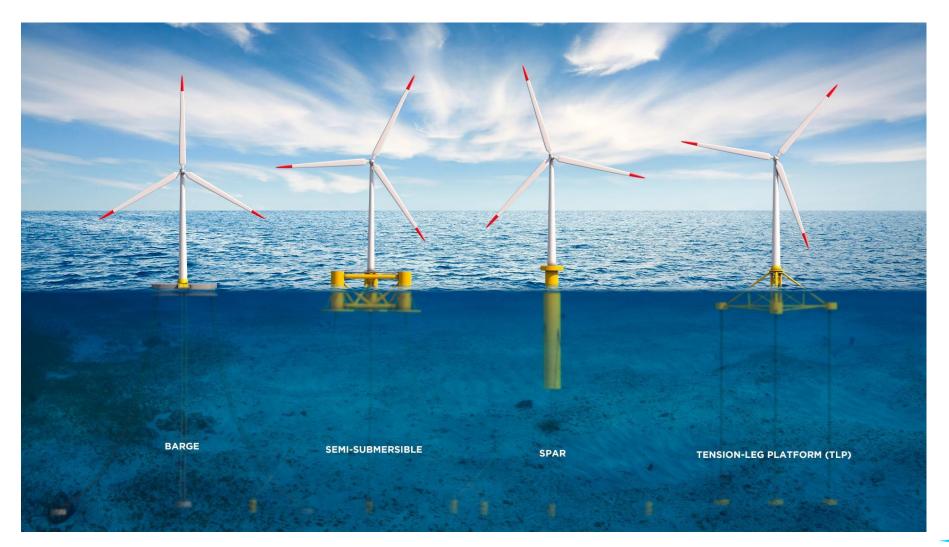




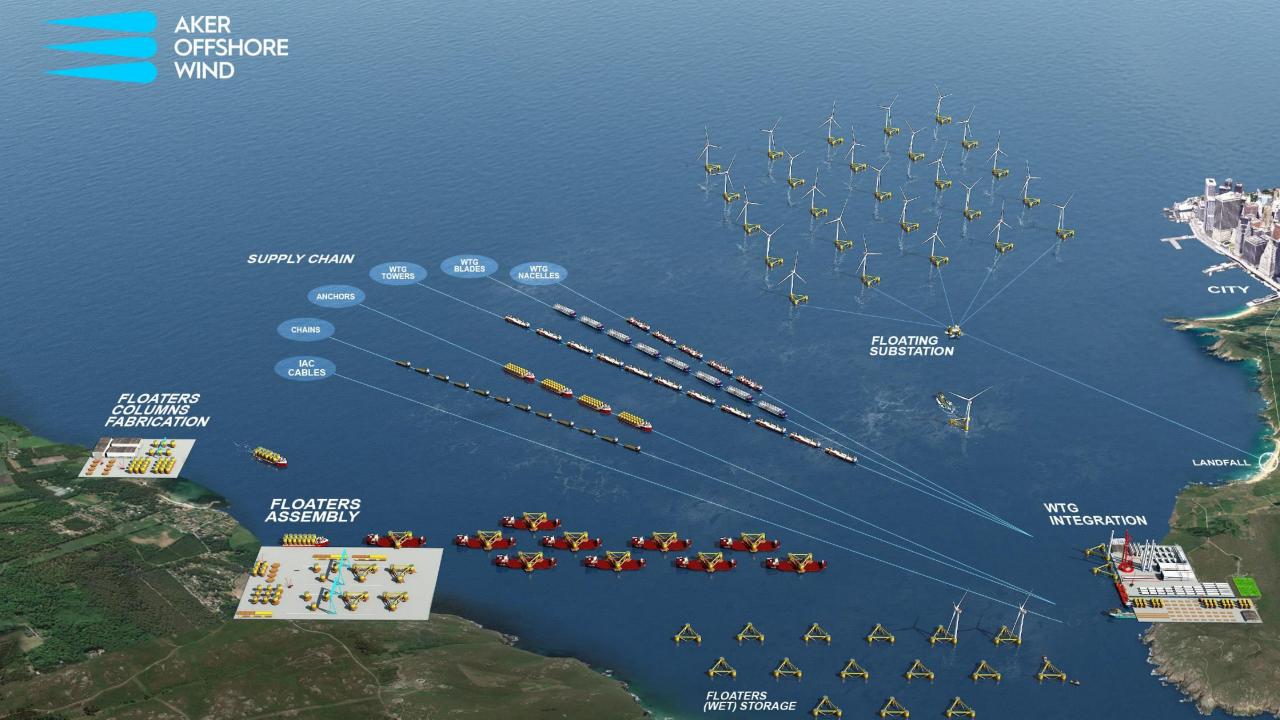
# Deep-water wind is expected to become the most effective renewable energy source



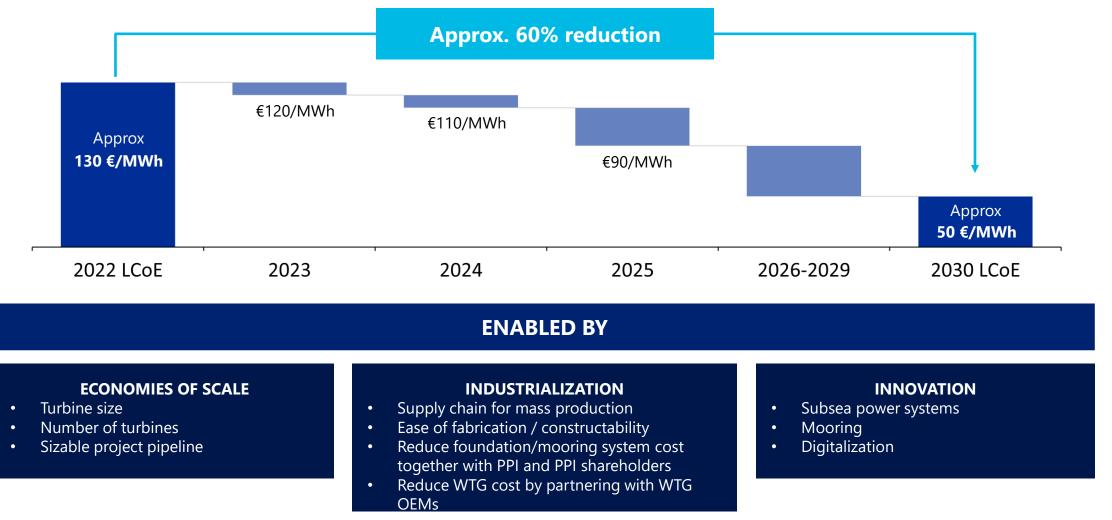
## Floater design's







### Timeline for Driving Cost Down to 50 €/MWh





## Power to X

#### **Production**

- on H2 Offshore Platform
- on WTG locations Offshore
- onshore

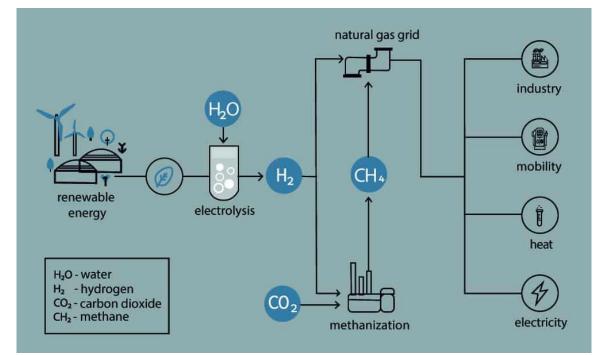
### <u>Transport</u>

- via pipeline
- vessels

### **Opportunities**

- More Offshore Wind Capacity can be utilized faster
- TSO relief !
- Additional impulse for the harbours



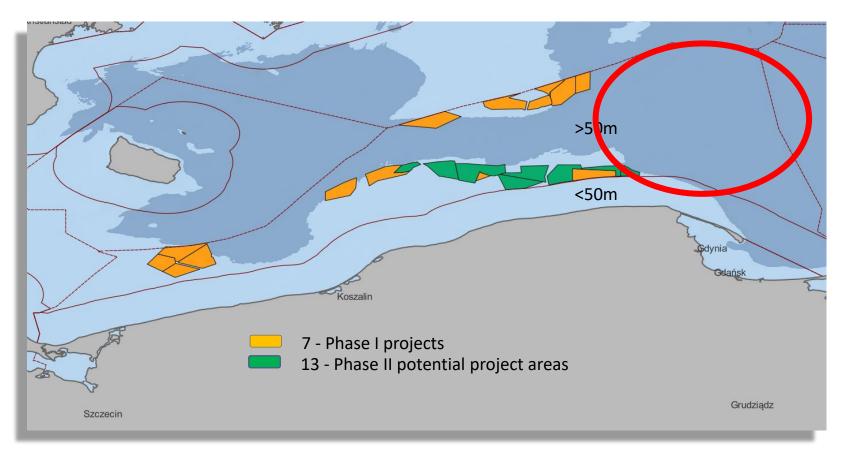


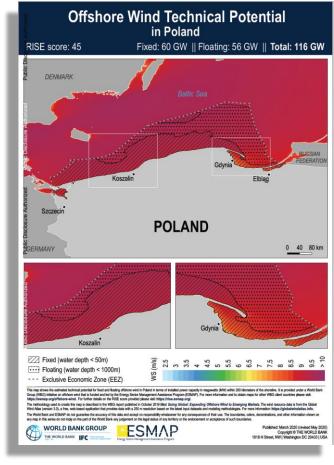


## Status quo - Offshore Wind Poland

#### **Offshore Status**

- <u>Phase 1:</u> 7 fix bottom projects allocated (total 5.9 GW). Planned to be in operation until 2028
- Phase 2: 11 areas outlined (partly floating). CfD auctions planned in 2025 and 2027 each 2.5GW
- Phase 3: 28GW according to the Baltic Sea declaration to be shaped (including larger floating potential)







## Polish project Lifecycle – Phase II



2022	2023	2024	2025	2026	2027	2028
		GCA	EIA CfD	FID		COD
	GCC					
	EIA Survey / Report /	RDOS				
		Bid pre	ep / Engineering + Procur	rement		
				Manufacturing +	onshore construction	
					Installat	ion + Commissioning



## CAPEX // Local Content Floating Offshore Wind

	Fixed Bottom		Floating		
	CAPEX %	Local Content %	CAPEX %	Local Content %	
Foundation	25	30	40	80	
Electrical Systems	20	30	15	30	
WTG	35	20	30	20	
Т&I	20	20	15	20	
Total	100	25%	100	~40%	

→ Significant more **Polish Local Content** with Floating Offshore Wind

- $\rightarrow$  Due to more steel masses in Foundations + Moorings
- ightarrow Ideal steel fabrication and ship yard potential in Poland



