

SMARTCITY

EXPO WORLD CONGRESS

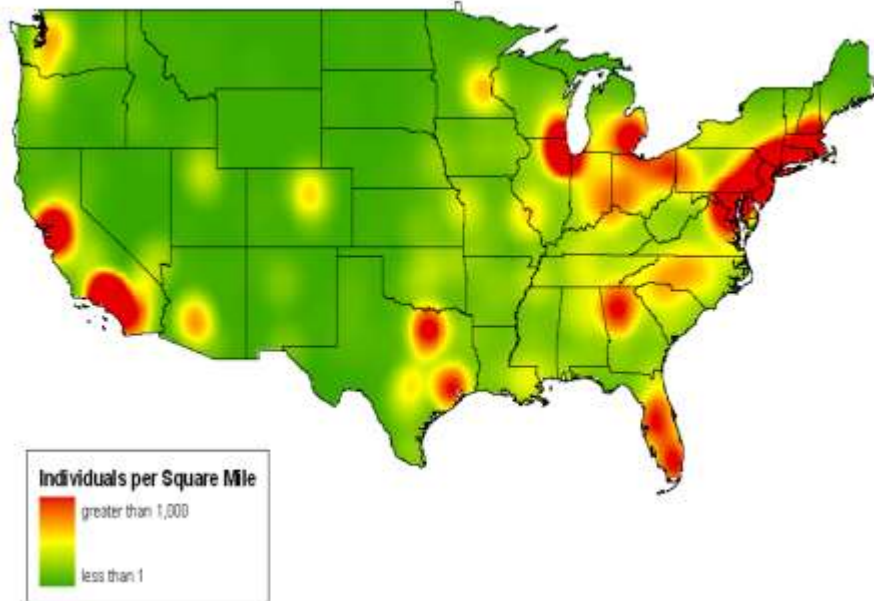


Floating Wind - A huge clean energy potential for cities in coastal areas

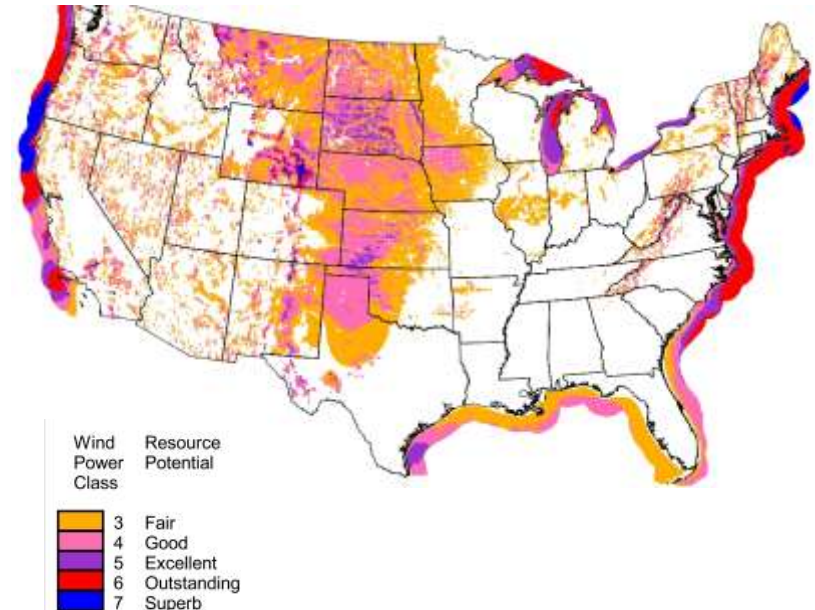
Alex Raventos - Co-founder X1 WIND


Offshore Wind: power right where we need it

US Population density



US Offshore Wind Resource





Current offshore turbines are “fixed” to the seabed, **require large offshore vessels** and can be installed **only in shallow waters** ($\leq 40\text{--}50\text{m}$)

>80% of the wind resource located in deep waters

We need Smart floating Solutions

X1 Wind Technology

A lightweight floating platform “designed for offshore renewables”

Our Unique Selling Points

Light

260 tons/MW, 50-80% lighter



Reliable

Passive systems, Downwind configuration



Easy

To connect with our patented PivotBuoy® system

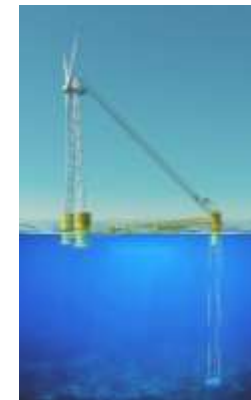


Scalable

Larger turbines (10MW+)
No depth limitations

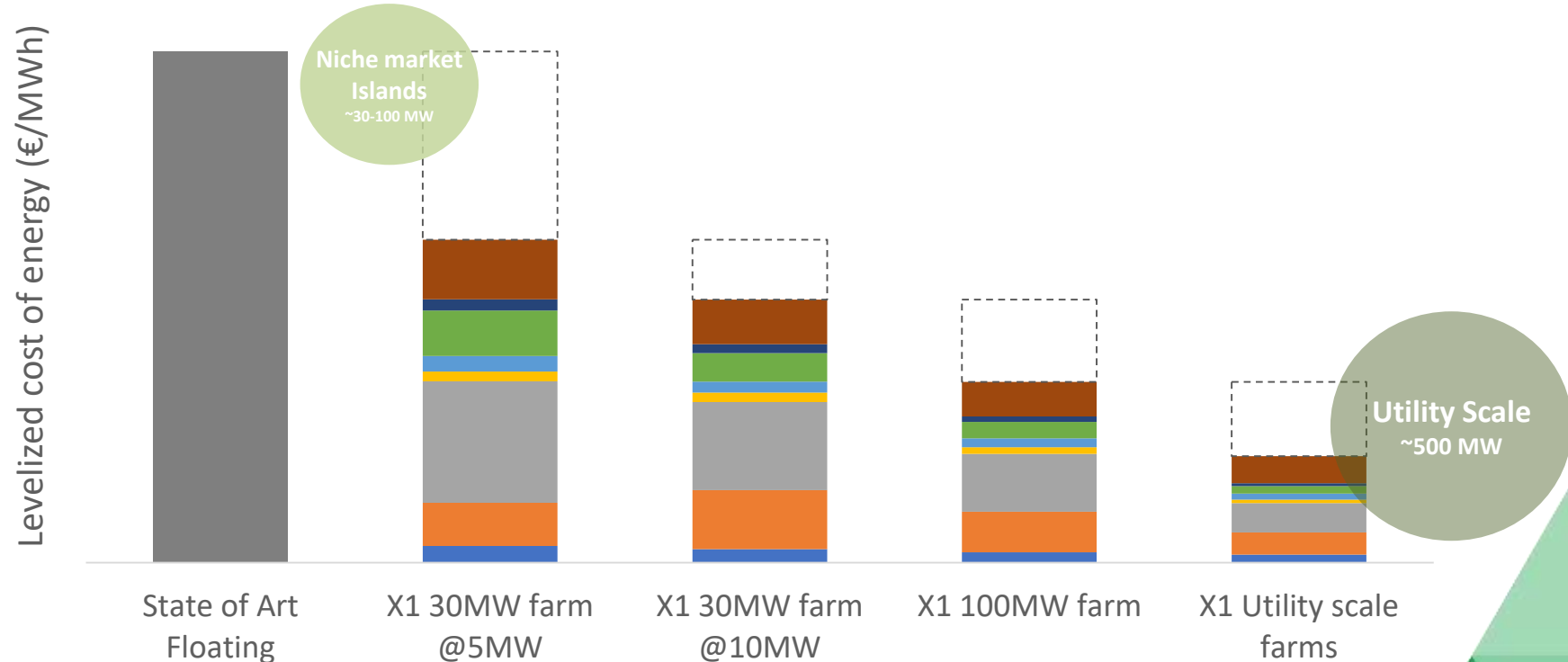


Combining the advantages of Current Solutions



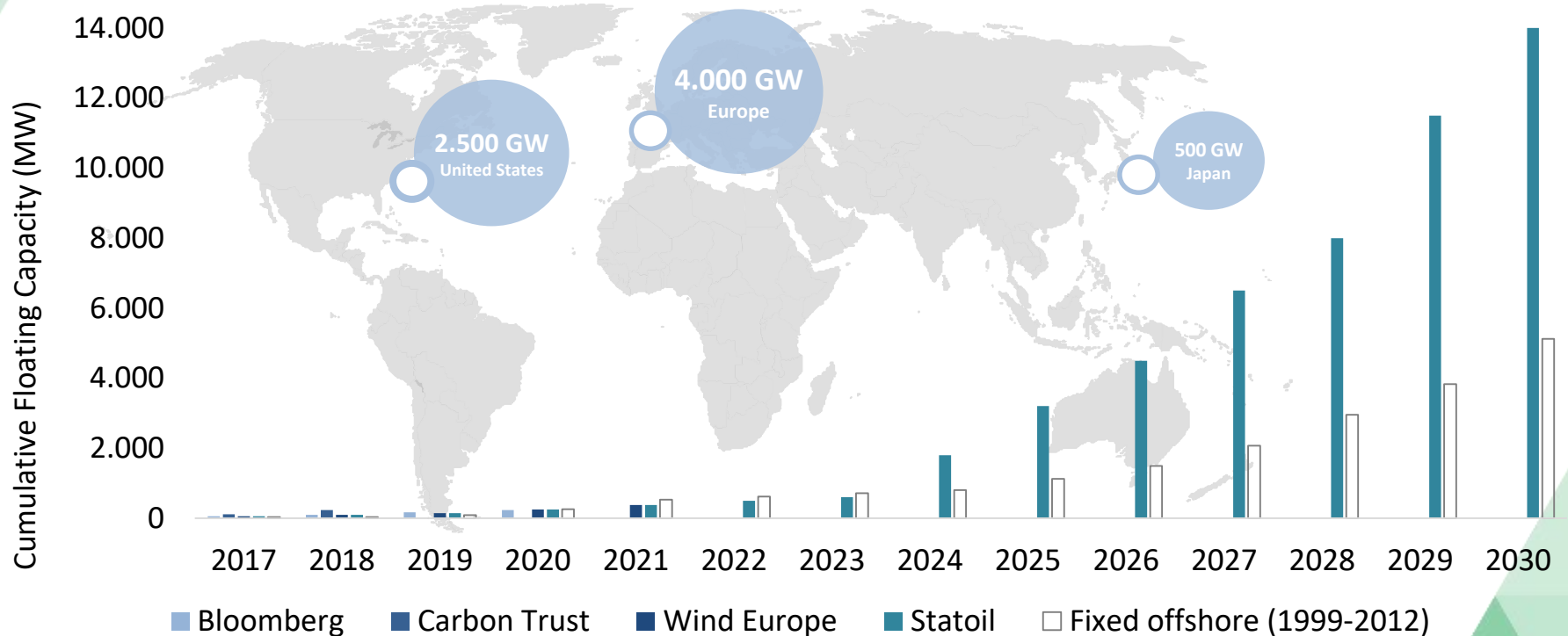
Type	Spar	Semi-sub	TLP	TLP + Semi-sub + SPM
Depth	100-250m	40-250m	45->500m	45->500m
Weight	1500 - 2.500 tons/MW	500 - 2.000 tons/MW	250-400 tons/MW	260 tons/MW
Ease to install / maintain	Serial production but offshore assembly with heavy lift	Assembly onshore, towed with tug vessel	Complex assembly offshore of platform to mooring	Assembly onshore, towed with tug vessel

Our target: local, clean, low cost electricity



A huge clean energy resource for energy transition

Only in Europe, US and Japan, **floating wind potential is 14x the global wind installed capacity today.**



Our Technology Roadmap



Support, Prices & Funding:



Co-funded by the Horizon 2020 programme of the European Union



Letters of Interest received:



Contact
alex.raventos@x1wind.com

X1WIND
www.x1wind.com