PRINCIPLE POWER

Globalizing Offshore Wind

Proven floating platform technology: the WindFloat

Global project portfolio, based on principles of reduced risk and cost

Backed by global utility and energy leaders

Headquartered in California, with offices in France and Portugal

About Principle Power

Principle Power, founded in 2007, is a development, technology and services provider to the offshore wind industry. Principle Power's innovative and proven technology, the WindFloat – a floating wind turbine foundation – provides access to transitional and deep-water offshore wind sites. By simplifying the way offshore wind is deployed, this unique technology assists the ongoing development of the offshore wind industry as a whole, opens new deep water markets, and has the potential to substantially decrease the cost and risk profile of offshore wind projects. Principle Power, with offices in the USA, France and Portugal, sells the WindFloat as a technology solution and acts as a service provider to developers, independent power producers, and utilities engaged in the rapidly expanding global offshore wind market.

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WindFloat

- **Shallow draft -** allows for transit from harbor as well as deployment and installation at offshore sites in transitional or deep waters.
- **Turbine agnostic** - accommodates all conventional commercial wind turbines.
- **Quay-side final assembly and commissioning** - allows for the use of pre-existing shore-side infrastructure at both shipyards and harbors.
- **Inherently stable in transit** - is essentially its own installation vessel for the wind turbine.
- **Low pre-tension conventional mooring system -** uses conventional mooring components which are commodity-priced, readily available worldwide and rely on proven installation methods.
- **Connection / disconnection** - revolutionizes deep-water deployment and large corrective maintenance operations with a "plug-n-play" methodology neither cost nor technically prohibitive.

The WindFloat solution is suitable for deep and transitional water depth projects

Proven WindFloat design is based on established oil and gas platform technologies

Reduction of risk and cost for the industry

Cost and performance competitive with conventional offshore wind and other energy sources

As world demographics shift towards coastal regions, demand for electricity in these regions continues to rise. In addition, on a global basis there is an increasingly significant focus on enhancements to resource diversification and energy security. The result of this confluence of trends is Offshore Wind, once a niche opportunity in Northern Europe that is now expanding around the globe - poised to contribute vast amounts of clean renewable energy to the grid across Europe, Asia and North America. Principle Power's WindFloat technology addresses this global opportunity by facilitating cost effective development in deep and transitional water sites that open new markets that were previously inaccessible. WindFloat represents a paradigm shift in installation, operations and maintenance philosophies such that the cost and risk correlation to water depth is no longer relevant.

- Location and depth constraint mitigation - WindFloat allows projects to be optimally sited in deeper water; accessing higher quality wind resources while addressing stakeholder and environmental concerns associated with near-shore developments.
- Reduced risk and cost - WindFloat utilizes readily available on-shore infrastructure for assembly, turbine erection, and major repairs. In addition, WindFloat is stable and seaworthy; eliminating the need for specialized, short-supply and thus expensive installation and deployment vessels, as well, WindFloat relies on standard, proven, and minimally-invasive offshore mooring methodologies which mitigate environmental and ecological impact to the seabed.