



OFFSHORE WIND POWER SYSTEMS OF TEXAS LLC

Company formed in the State of Texas USA

September 12, 2011

To Whom it May Concern:

Subject: Nationwide Permit 5 GOM Test Site and Supporting Facilities

Dear Sir:

We are sending you information related to our recently **fully permitted test site** located in the State waters of Texas and located close to our base of operations within the former **Ingleside Navy base facilities**, Corpus Christi, Texas.

We are open to discussions with reference to the adoption of your turbine to our "Titan 200" foundation for testing and certification purposes, our foundation is designed for 3 -7 MW size turbines and up to 45 meters of water depth, expandable to 60 meters of water depth. It also is certified to Gulf of Mexico (GOM) environmental conditions. Our foundation has been vetted by industry experts in the EU using UK round 3 design criteria as well as GOM criteria.

When deployed, the Titan will carry full design and construction certification. It will be carried out by industry experts that have been certifying offshore marine vessels and fixed structures for the last 60 years, The American Bureau of Shipping "ABS". We also interface with DNV, LLOYDS, and GL etc....

Our own engineers and project personnel have been involved for over 30 years in the design and construction of floating as well as fixed marine structures and understand well the requirements of the industry and more specifically the unique design characteristics of integrating a turbine and a platform in the oceans of the World.

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Our site for testing offers an excellent opportunity for turbine suppliers to establish their product(s) as North American capable and acceptable in the largest potential market of the offshore wind energy.

At our Ingleside facility and the offshore site, we are prepared to partner with turbine suppliers in a mutually agreed to business arrangement to fully support a state of the art testing program, that will offer the following:

1. Mutual participation in a fully permitted test site located in Texas state waters located approximately 10 miles offshore, East-Southeast of the port facilities at Ingleside Navy Base; see the attached site location document.
2. OWPST will provide under contract a state of the art “Mobile Self Installing Platform” (MSIP) capable of deployment in the GOM waters and supporting the turbine and other related equipment such as met tower. The MSIP will be redeploy able, allowing for modification to be made to the turbine while it is in the testing program at the inland facilities of Ingleside, “dockside”, and then redeploy to the test site for continued testing.

The platform will be fully equipped for recording of test results, recording of environmental data as well as other related information associated with the turbine, the foundation and the site.

The platform will have access by boat and helicopter, as well as lift by crane capabilities for bring onboard client requested equipment or supplies. Logistics will be provided through locally provided contracts under an annual contract agreement.

Please see the attached “White Paper” for a more complete description of the Titan 200 MSIP capabilities.

3. Our base of operations located at Ingleside will include office space, logistics and planning for the entire test program. This will include

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- monitoring equipment on a 24/7 bases, this service can include real-time uplink(s) so companies may remote monitor the operations visually and through data being recorded. The base of operations will be staffed with OWPST engineering and service personnel for support.
4. In addition we have housing facilities located on campus with apartment style quarters as well as full support facilities like mess hall, laundry, security, etc... for client staff and visitors to the facilities and site.
 5. Logistically we have personnel transport vessels located near the facilities for visitors to view and visit the installation site; we have local contracts with service marine companies for transport of supplies and large items as well as towing of the platform when required.
 6. The wind resource is excellent for long term test results, the waters are very accessible all the year around so modifications to your model is made easily by simple tow back to the assembly area at Ingleside base of operations, once complete the unit will be towed back to the exact same location re-installed and continued testing re-starts. This can occur 24/7 and 365 days of the year.

Offshore Wind Power Systems of Texas Titan Platform Site Wind Resource

Latitude (Centre)	27.89
Longitude (Centre)	-96.84
* BERR Annual Wind Speed 100m	
* BERR Annual Wind Power Density 100m	
** NERL Modeled Wind Speed (90m)	8.12 m/s
10 Year Mean Observed 100m	8.47 m/s

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Our platform(s) also function as a met-mast system and we have now designed a mast that is fully instrumented to a full working height of 200 meters, equal to a 5 MW turbine full blade height. This will allow for full development of measurement of the entire energy resource, extensions can be added to go to even higher elevations. The system known as a "Titan 200 WMPS" also incorporates wind turbulence mapping capabilities simultaneously and all of the system is certified as "Bankable Data". We are equipped with both Lidar and Sodar capabilities; this equipment is endorsed by GL as well as NERL for the stated purpose.

An added capability that our platform system enables us to carryout is combination wind turbine power input / output recording in "Full Scale" , using a Titan 200 MSIP as the fixed foundation for the turbine, we can add a WMPS Tower system to stand-off and make actual real time wind input energy, as well as turbine output energy. This can be done 360 degrees to the fixed structure, and the onboard mapping sodar system can profile the turbulences created by various conditions IE... blade pitch changes.

7. Our direct association with local engineering schools such as Texas A&M and their offshore marine facilities as well as staff are available as consultants and partners in the testing program. Other institutions like Texas Tech with its "Texas Wind Institute" are also available for wind measurement studies and collation of the data that is collected from the site. Several other well known organizations are available to round-out the capabilities, and support the facilities as well as the projects in general.
8. In addition to all the capabilities previously listed, the group and more specifically Texas State Technical College, is phasing in an offshore turbine maintenance school, to provide service personnel for future job requirements. The future program will include special course study related

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to the marine operations. More information can be found at:
<http://www.tstc.edu/programs/harlingen/windenergy>

This facility and the site are all supported by local and state of Texas organizations, it is state of the art and it is now open for business.

You may contact me at 682-367-0652 for any questions or comments.

Regards,

Doug Hines

Douglas Hines
President & CEO

Attachments:

1. Titan 200 white paper
2. Titan 200 MSIP Platform Pub
3. Titan 200 WMPS Platform Pub
4. OWPST site map
5. OWPST site Permit issued by the ACE
6. Ingleside facilities Pub
7. TSTC Pub & PR
8. GL Statement

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