



Principle Power Inc is looking for a **Structural Engineer** (marine/hull structural engineering) to join its team and help design the next generation of its **floating platforms for wind turbines: the *WindFloat***.

The candidate will be part of PPI's team of structural engineers, and will work toward commercialization of the ***WindFloat***. The structural group splits its focus between current designs, for specific site conditions, and *R&D* to optimize the performance, fabrication and ultimately the cost of the WindFloats in future projects. Design tasks for current projects includes preliminary sizing of steel structures, strength, buckling and fatigue analysis and detailing of the structures. During design, engineers interface with designers to produce packages of drawings for certification and fabrication. Structural engineers follow closely the fabrication planning and execution phases to provide support as necessary.

The candidate should have, at a minimum, the following qualifications:

- **Master of science or higher in a relevant field of engineering** (ocean engineering, naval architecture, mechanical engineering, civil/structural engineering, material science, etc.)
- Two (2) years of experience in using commercial FEA software such as ANSYS or equivalent
- Strong technical and data analysis skills
- Good communication and writing skills

Additional skills include:

- Proficiency in two or more programming languages
- Experience in drafting and modeling tools (AutoCAD, Solidworks, Rhino), SAP2000
- Two (2) to four (4) years of professional experience in ship or floating offshore structure FEED/detailed/construction design
- Firm knowledge of ABS FOWTI/FPI/MODU, DNV OS and/or API RP2A

The candidate should be self-driven, demonstrate the ability to work independently and communicate efficiently with team members.

Please provide resume and cover letter to mLaurent@principlepowerinc.com, as well as references.