

JOB DESCRIPTION

MOORING ENGINEER



PLACE: FRANCE (LA CIOTAT)		OCCUPATIONAL CATEGORY: EXECUTIVE	OPEN-ENDED CONTRACT
COMPANY <p>Principia (90p - 11M€ revenue) is a company specialized in engineering and scientific expertise, occurring in Energies' business sectors (oil & gas, renewable marine resources, nuclear energy) and in Naval / Defense ones. With a well-known experience of more than 35 years, Principia supports the main industrial companies in their conception process and in their facilities' maintenance in operational condition, offering a wide range of high value-added services (R&D, expert software, engineering studies, expertise and trainings).</p>			
RESPONSIBILITIES <p>We are looking for Hydrodynamic / Mooring Engineers to satisfy the growing demands from our customers, especially within hydrodynamic and structural analysis for marine renewable energies and oil & gas floating system units: FPSO, FSRU, FLNG, CALM Buoys.</p> <ul style="list-style-type: none">. Modeling of structures in hydrodynamics software (DeepLines, Diodore). Analysis for both renewable energies and Oil & Gas.. Write and check calculation notes, analysis reports, specification of materials. Supplier's Follow-up, technical assistance to customers during the study phase. Support to the commercial department: writing of offers			
JOB PROFILE <p>Our scope of services for floating facilities global performance includes:</p> <ul style="list-style-type: none">. Conceptual, FEED and detailed design of mooring and station-keeping systems,. Mooring equipment design and specification,. Sea-keeping and stability analysis from feasibility studies to detail design,. Operability analysis of terminals,. Marine operation dynamic simulations (float-over, side-by-side or tandem offloading),. 3rd Party verification of mooring and hydrodynamic analysis,. Model test specification, follow-up and analysis,. Global hydro-structure analysis,. Advanced hydrodynamic analysis such as slamming loads calculations, multi-body systems, hydro-elasticity analysis,. Research and development projects and JIP.		SKILLS & EXPERIENCE <ul style="list-style-type: none">. Bachelor Degree in engineering (Naval architecture, Ocean, Mechanical or Marine). 2 to 5 years of experience with design and engineering of offshore floating structures (FPSO, Semi-submersibles, TLPs, FLNG, mooring terminals). Experience with some of the following software: DIODOE, DEEPLINES, AQWA, MOSES Hydrostar, Ariane). Good communication skills. Fluency in English (written and spoken) and French is a clear asset. A good team player. Self-motivated with a drive for results, improvement and innovation	

To apply: job@principia.fr