

JOB DESCRIPTION

SENIOR HYDRODYNAMIC ENGINEER



PLACE: FRANCE - KUALA LUMPUR - DENMARK

OCCUPATIONAL CATEGORY: EXECUTIVE

OPEN-ENDED CONTRACT

COMPANY

Principia (110p - 13M€ 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).

RESPONSIBILITIES

- . Take responsibility for consultancy projects in floating systems engineering:
 - . Modeling of structures in hydrodynamics software (DeepLines, Diodore)
 - . Analysis according oil & gas standards: Api, ABS, DNV, BV, GI, Eurocode, etc.
 - . Write and check calculation notes, analysis reports, specification of materials
 - . Supplier's Follow-up, technical assistance to customers during the study phase
- . Ensure interface with the client
- . Support the commercial department: writing of offers, presentation
- . Project Management and supervision of project team : delivery, cost, operational schedule, reporting
- . Undertake assignments in other PRINCPIA offices, clients' offices, vessels or on-site

JOB PROFILE

Our scope of services for floating facilities global performance:

- . Conceptual, FEED and detailed design of mooring and station-keeping systems, 3rd Part verification analysis
- . Mooring equipment design and specification
- . Sea-keeping and stability analysis
- . Operability analysis of terminals
- . Marine operation dynamic simulations (float-over, side-by-side or tandem offloading)
- . 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

- . Bachelor Degree in Engineering (Naval architecture, Ocean, Mechanical or Marine)
- . 5 years minimum experience with a minimum of 3 years with design and engineering of offshore floating structures (FPSO, Semi-submersibles, TLPs, FLNG, mooring terminals)
- . Preferably gained experience in design engineers/consultants or installation contractors
- . Competent in use of relevant codes and software: Diodore, Deeplines, Aqwa, Moses, Orcaflex, Hydrostar, Ariane
- . Experience with project management
- . Good communication skills. Fluency in English 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