

# JOB DESCRIPTION

## OFFSHORE STRUCTURE 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 engineering tasks and perform associated calculations:
  - . Offshore structure design based on oil & gas standards (Api, ABS, Dnv, Bv, Gl, Eurocode, etc.)
  - . Detailed Non-Linear FE analyses
  - . Write and check calculation notes, analysis reports, specification of materials
- . Liaise with material and equipment suppliers
- . Ensure Interface with the Client
- . Support the commercial department: writing of offers, presentation
- . Supervise and co-ordinate engineers and draughts men
- . Project Management: delivery, cost, operational schedule, reporting
- . Undertake assignments in other PRINCIPIA offices, client offices, vessels or on-site

### JOB PROFILE

Our scope of services for offshore metallic structures:

- . Pre-project and feasibility studies,
- . Design and FEED studies,
- . Detailed engineering packages,
- . Independent design verification analysis,
- . Interface with equipment,
- . Expertise in structural analysis, detailed fabrication, drawings
- . Expertise and analysis for Load out, transportation and installation of offshore structures,
- . 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 direct offshore structure design and engineering experience
- . Preferably gained experience in design engineers/consultants or installation contractors
- . Competent in use of relevant codes and software:
  - . Engineering software: AutoCAD/OpenInventor, ABAQUS, NSO/ISYMOST, SACS, DEEPLINES
  - . Offshore rules: API, AISC, DNV, ABS, BV, ASME...
- . 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](mailto:job@principia.fr)