

# Subsea / Riser Engineer – Analysis and Calculation

**Place:** La Ciotat (South east), France

**Contract:** Open-ended contract

## Company profile:

Principia is an independent scientific and conceptual engineering company delivering innovative solutions to the renewable energy sector, oil & gas companies, the naval sector and to research centers.

Principia, founded in 1981, consist of more than 120 highly-skilled employees located in France (La Ciotat and Nantes), Houston, Singapore, Kuala Lumpur and Svendborg.

For more information, look at our webpage on [www.principia.fr](http://www.principia.fr)

## Job profile:

We are looking for subsea / risers Engineers to satisfy the growing demands from our customers, especially within hydrodynamic and structural analysis for marine renewable energies and oil & gas subsea system units : pipelines, risers, Oil export systems, umbilical... .

Our scope of services for SURF activities covers the following items:

- Pre-project and feasibility studies,
- Design and FEED studies,
- SURF detailed engineering packages,
- Independent design verification analysis,
- Ancillary equipments design: bend stiffener or restrictor, and installation aids.
- Expertise in hydrodynamics, vortex induced vibrations; structure in any type of risers systems,
- Expertise and analysis for installation of pipelines, risers and subsea equipments,
- Research and development projects and JIP.

## Responsibilities:

- Modeling of structures in hydrodynamics software (DeepLines, Diodore, Orcaflex, Flexcom)
- Analysis according oil & gas standards: Api,ABS, Dnv, Bv, Gl, Eurocode, etc.
- 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

## Skills and experience:

- Bachelor Degree in engineering (Naval architecture, Ocean, Mechanical or Marine)
- Mini two-three years of experience with design and engineering of offshore subsea structures
- Experience with some of the following software: DIODOE, DEEPLINES, ORCAFLEX, FLEXCOM
- 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

## Additional information and applications:

Please feel free to contact Eric ZARA at Principia , phone: + 33 4 42 98 11 84, e-mail: [job@principia.fr](mailto:job@principia.fr)