



## Mechanical Analysis Engineer

Joining Spirit Technologies means taking up tomorrow's technological challenges as part of a stimulating, creative and resolutely innovative team. Every year, we invest 8,000 hours in research and development, propelling our collaborations with leaders in high value-added sectors such as Nuclear, Space, Defence and many others, in Europe and around the world.

When you join Spirit Technologies, you'll benefit from ongoing support to develop your skills, thanks to a company that values the skills of its employees and has an ambitious CSR policy, taking care of both its teams and its local communities.

Spirit Technologies cultivates the spirit of conviviality that is so characteristic of the South of France, both internally and through our partnerships and ecosystem.

To join Spirit Technologies means embracing a spirit of excellence, where know-how is combined to bring to fruition, from design to integration, more than a hundred innovative projects a year.

### Goals

Ensure the mechanical validation of projects entrusted to the Spirit Technologies design office.



### Main missions\*

- Verify the mechanical behaviour of the systems and tools developed:
  - Build a finite element model representative of the design (NASTRAN, ANSYS).
  - Apply the load cases defined by the customer and/or imposed by standards.
  - Analyse the results (stresses, deformations, safety margins, etc.).
  - Propose corrective technical solutions to enable full validation.
  - Draft justification files including assumptions and results.
- Comply with calculation standards and norms.
- Provide ad hoc technical expertise on complex issues.
- Participate in project meetings and contractual milestones.
- Contribute to tenders in support of sales teams.

*\* Non-exhaustive assignments subject to change, provided for information only.*

### Qualifications

Graduate engineer

### Experience required

Minimum 5 years of experience in mechanical analysis, ideally in the aerospace or nuclear sector.

### Soft skills

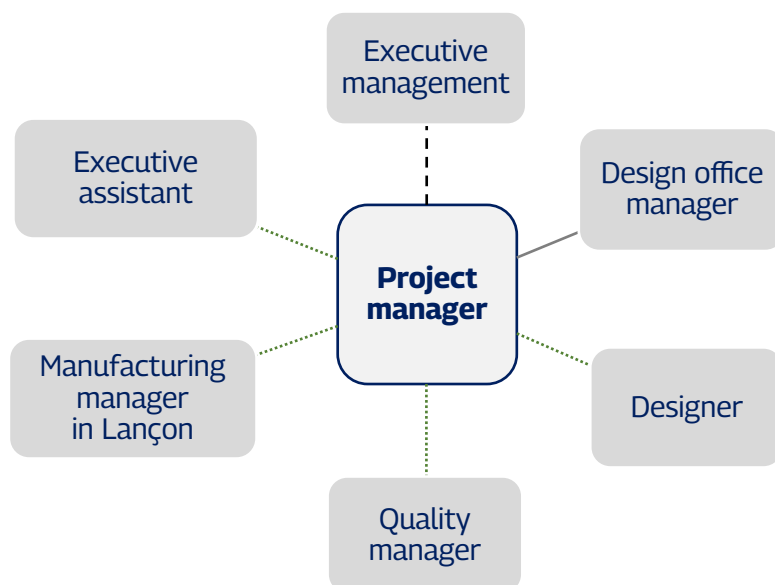
Rigorous and analytical mindset  
Responsiveness and technical curiosity  
Ability to synthesize information  
Comfortable working collaboratively

### Hard skills

- Good knowledge of mechanical analysis norms and standards.
- Knowledge of the ISO 9001 quality system.
- Use of modelling / calculation tools (FEMAP, NASTRAN, ANSYS) and Excel.
- Experience in Spirit Technologies' main areas of expertise:
  - Statics
  - Vibration
  - Dynamics
  - Thermoelasticity
  - Fatigue



### IN-HOUSE RELATIONS



\_\_\_\_ Reporting lines

----- Functional relationships

### Location and Contract type

The position is to be filled on a permanent basis at one of our sites in Cannes, Lançon or Valencia (Spain), depending on your preference.

### CONTACT

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