



## **FEA structural calculation engineer**

GRADEL develops and manufactures new custom-made endless composite fibres lightweight products with GRAM (Gradel Robotic Additive Manufacturing). With this process weight reduction up to 70% is to be achieved compared to standard manufacturing technologies. Using bio resins and natural fibers the process technology can be made sustainable and circular. This activity is in strong development for different markets: space, aeronautics, automotive, etc...

GRADEL is looking for a Mechanical or Structural Engineer with strong FEA background with main focus on thermo-mechanical calculation with following profile requirements:

- Master's degree
- Excellent knowledge in mechanical & modal analysis & thermal analysis
- Proficiency in FEA
- Experience with NASTRAN and FEMAP is considered as an asset
- Skills in computational programming (VBA, ...)
- Knowledge in CAD modelling is considered as an Asset
- Practical approach, problem solving
- Organised and methodical
- Innovative and creative
- Ability to work independently, good team player & listener
- Language skills: fluent in English/French or English/German (written and oral). A third language (French or German) is considered as an asset.

### **Key responsibilities:**

- FEA lightweight calculation of parts and sub-assembly
- Understanding the FEA results and Indicating to the engineering team possible improvements
- Realisation of technical documentation and calculation notes
- Respecting deadlines

If you are interested in taking this challenging opportunity and wish to take part actively to the development of sustainability and circularity, please send your application to [job@gradel.lu](mailto:job@gradel.lu) (cover letter + CV).

Only shortlisted candidates will be contacted. The information you provide will be treated confidentially and will only be disclosed to employees involved in the recruitment process. The selected candidate will be requested to provide a criminal record.