



Structural Engineer - Join GRADEL LW and Shape the Future of Lightweight Innovation

About Us

GRADEL Group, a medium-sized company with 70 employees, delivers cutting-edge solutions for space & defence, nuclear, and glass industries, while its subsidiary GRADEL LW pioneers sustainable lightweight design and production. At the heart of this innovation is our unique composite manufacturing technology: Gradel Robotic Additive Manufacturing (GRAM) – an endless filament 3D winding process.

Your Role

We are looking for a talented **Structural Engineer** to support the development of our activity and help drive the adoption of GRAM technology. You will play a key role in designing and validating structural components for high-performance applications.

Key Responsibilities

- FE analysis of lightweight composite components for space and other advanced applications.
- Analytical calculations of fasteners and bolted connections.
- Interpret FEA analysis and propose improvement to the design team.
- Produce accurate technical documentation and calculation notes.
- Respect project deadlines and deliverables.

Your Profile

- Master's degree in mechanical engineering with at least 5 years' experience in a similar role.
- Solid knowledge in static, modal, buckling analysis. Experience in thermal or dynamic analysis is an asset.
- Experience with ECSS or EUROCODES standards.
- Skills in computational programming (VBA, Python)
- Ability to work independently while being a strong team player and communicator.
- Organised, methodical, practical, and innovative problem-solver.
- Proficiency in FEMAP & NASTRAN is an asset.
- Experience in space or aeronautic industry is an asset.
- Fluent in English (spoken and written); French or German is a plus.

What We Offer

- A highly stimulating and forward-looking role in a success-oriented team.
- Opportunity to contribute to an exponentially growing market and help tackle climate change.
- Freedom to take initiative and shape projects.
- Position based in **Hautcharage, Luxembourg**.

How to Apply

If you are ready to take on this exciting challenge and actively contribute to our future development, please send your **CV and cover letter** to job@gradel.lu.

Only shortlisted candidates will be contacted. All information will be treated confidentially. The selected candidate will be required to provide a criminal record.

#StructuralEngineering #Composite #AdditiveManufacturing #LightweightDesign #Aerospace #Automotive #Innovation #EngineeringJobs #LuxembourgJobs #ClimateChangeSolutions #FEA #MechanicalEngineering