

# Mechanical Simulation Engineer or Analyst

## Your tasks

- Clarification of technical issue and simulation objective.
- Development of a simulation plan (boundary conditions, method, tools, suitable parameters, etc.)
- Creation of mechanical simulation cases (including review sessions and traceability)
- Execution of CAE tasks including functional, durability, strength, thermal, noise and vibration, etc.
- Discuss, evaluate, and interpret the CAE results according to objective and technical issue (including recommendation)
- CAE report creation according to test plan (including recommendation)
- Contribute to the development of new products, analysis methodologies, tools, and techniques.
- Proactively discuss requirements and problems with other engineers in the group
- To work proactively, responsibly, professionally, and always in compliance with the company's reporting structure.
- Maintaining and developing personal skills and knowledge to ensure the best results.
- Any other duties as reasonably requested aligned to the job role.

## Your profile

- Degree in Mechanical Engineering or equivalent studies.
- Mechanical simulation previous experience.
- Theoretical background of Finite Element Method.
- Theoretical background on Resistance of Materials.
- Theoretical and practical aspects on fatigue of mechanisms
- Proficiency on Abaqus and Hypermesh tools.
- MS Office in general, advanced level on Excel and PowerPoint.
- English, Advanced Level.

## Our offer

Ready to drive with Continental? Take the first step and fill in the online application.

## About us

A Continental desenvolve tecnologias e serviços pioneiros para a mobilidade sustentável e conectada de pessoas e seus bens. Fundada em 1871, a empresa de tecnologia oferece soluções seguras, eficientes, inteligentes e acessíveis para veículos, máquinas, tráfego e transporte.

A Nossa Cultura é focada em construir um ambiente inclusivo e colaborativo, somos movidos pelos nossos valores: Paixão por Vencer,



Job ID  
**REF77287F**

Field of work  
**Engineering**

Location  
**Varzea Paulista**

Leadership level  
**Leading Self**

Job flexibility  
**Hybrid Job**

Legal Entity  
**Continental Automotive do Brasil Ltda.**

Uns pelos Outros, Liberdade para Agir e Confiança.

OBS: Todas as nossas comunicações são feitas através do e-mail, então verifique sua caixa de entrada.

**Se você se identificou com nossos valores, venha ser Continental!**