

R&D Virtual Tire Developer

Your tasks

Due to our continuous growth, the Research & Development team is looking for a Virtual Tire Developer, who will be responsible for aiding the Tire Development Process by executing complex simulation tasks of our tire's performance, while having the opportunity to work with multidisciplinary teams located in several countries.

The main responsibilities are:

- Provide the performance assessment for commercial vehicle tires by using the Finite Element Method (FEM) simulations and prediction tools
- Understand and apply boundary conditions given by the target market, application and service
- Ensure the product performance requirements are met and balanced through pattern, contour and layout optimization
- Analyze, evaluate, and present the simulations and prediction results
- Create FEM tire models based on the specification of the tire
- Guarantee accuracy, quality and methodological procure in the simulation and prediction processes

Your profile

- Pre-Bologna Degree or Integrated Master's in an Engineering area, preferably Mechanical, or Mathematics area
- Knowledge of FEM and experience with FE software (e.g., Ansys, Abaqus, Patran)
- Programming skills are beneficial (e.g., Matlab, Python)
- Skills in CAD software (e.g., NX, Catia, Solidworks)
- Project Management skills
- Self-organization and ability to work with autonomy
- Good communication and interaction skills
- English language skills (written and spoken)
- Availability for traveling.

Our offer

Integration in a challenging and international work environment, featured by the existence of state-of-the-art technologies

Local employment contract with attractive remuneration package and benefits

Continuous professional training and excellent possibilities of personal and professional development

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



Job ID

REF83398F

Field of work

Research and Development

Location

Lousado

Leadership level

Leading Self

Job flexibility

Onsite Job

Legal Entity

Continental Mabor Indústria de Pneus S.A.

About us

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation. In 2022, Continental generated sales of €39.4 billion and currently employs around 200,000 people in 57 countries and markets.

With its premium portfolio in the car, truck, bus, two-wheel and speciality tire segment, the Tires group sector stands for innovative solutions in tire technology. Intelligent products and services related to tires and the promotion of sustainability complete the product portfolio. For specialist dealers and fleet management, Tires offers digital tire monitoring and tire management systems, in addition to other services, with the aim of keeping fleets mobile and increasing their efficiency. With its tires, Continental makes a significant contribution to safe, efficient and environmentally friendly mobility.