



ABOUT US

Established in 2017, Doftek is the global leader in on-vehicle wheel alignment technologies.

With innovation at the core of our business, we develop technically advanced electromechanical systems for vehicles.

Our flagship product, Active Wheel Alignment, is being fitted to some of the most prestigious brands in the world with profound results in performance, sustainability, and safety.

We pride ourselves at being the best at what we do.

LOCATION

MIRA Technology Park, Nuneaton, UK

POSITION: Electrical & Electronic Engineer

THE JOB

Doftek is seeking a dynamic, driven and exceptional engineer to work on our breakthrough technologies in vehicle dynamics.

Innovation will be at the core of everything you do. You will play a pivotal role in the design and development of electrical and electronic systems for active wheel alignment technologies. You will work closely with our suppliers, customers, and partners, and assist with the electrical installation, testing and evaluation of Doftek products. Practical skills are essential.

You will also execute testing and evaluation projects in laboratory and workshop settings, and contribute to future R&D topics that advance Doftek's portfolio of products and capabilities.

Looking to work on game-changing technologies? Join us!

YOUR TASKS

- Design and develop electrical and electronic systems for automotive applications, including electric motors and controllers.
- Lead all aspects of electric motor design, including requirements generation, concept design, 3D modelling, electromagnetic and thermal simulation, prototyping and optimisation (essential).
- Design PCBs and controllers for motors and other electronic systems (some capability essential).
- Develop and tune basic control software for electric motors and other electronic systems, including model-based PID tuning via Simulink (highly desirable).
- Support installation, calibration and maintenance of electrical systems in prototype and test vehicles.
- Develop and manage a supplier network to meet technical requirements and project goals.
- Design systems that meet automotive standards and ensure seamless integration with whole-vehicle designs.
- Collaborate cross-functionally with stakeholders to ensure project success.

THE SUCCESSFUL CANDIDATE WILL

- A Bachelor's (Hons) or Master's Degree in Electrical, Electronic or Mechatronic Engineering, or similar.
- At least 2 years of experience working in electronic system development, including electric motor design.
- Proficiency with essential tools such as Altium (or similar), MotorCAD or Ansys Maxwell (or similar), Python, Matlab and AutoCAD.
- Some experience with Simulink and CAN bus preferred.
- Expertise in LV electrical architecture (e.g. PCB design), as well as relevant software packages.
- Understanding of the automotive sector and how electronic systems are integrated in vehicles.
- Ability to complete tasks with minimal guidance and work under pressure to meet deadlines.
- Show a "customer first" approach, with strong communication skills to develop relationships and achieve results.

Please send your CV to hiring@doftek.com.au