

A group of approximately 15 employees are standing in a grassy field, some holding balloons. They are all smiling and looking towards the camera. The background is a lush green field under a clear sky.

Traxial (a Magnax company) – (SR.) ELECTROMAGNETIC SIMULATIONS ENGINEER

Welcome to Traxial: Where big ideas start small (but mighty)

At Traxial, we don't just design solutions—we engineer the future with bold ideas and a hands-on approach. Our mission is to rethink what's possible in engineering and R&D. Though our team is small, our ambitions are anything but. We move fast, think big, and are driven by curiosity and a shared passion for innovation.

About the role

Traxial is looking for an experienced Electromagnetic Simulations Engineer to join our team. You will be taking responsibility for the electromagnetic simulations of our axial flux motors and inverters.

This is what you'll do:

- Develop and implement electromagnetic simulations for our axial flux motors and inverters.
- Analyze simulation results to determine performance characteristics and identify areas for improvement.
- Continually improve our simulation methodologies to reduce development times and improve the accuracy of the test data correlation.
- Collaborate with cross-functional teams, including simulations, and mechanical and prototyping engineers, to optimize the motor design.
- Stay up to date with the latest industry developments and advancements in simulation tools and techniques.
- Draw conclusions on the root cause analysis of products and processes.

Who are we looking for?

- Master's degree in Electrical or Electronic Engineering, or equivalent experience.
- Deep understanding of electromagnetism and at least 2 years of hands-on experience with electromagnetic simulations.
- Basic understanding of different engineering domains: mechanics, NVH, thermodynamics, ...
- Strong analytical and problem-solving skills.
- Proficiency in Python is a plus.
- Strong English communication skills (both written and verbal), good collaboration skills, and the ability to work effectively across teams within the organizations.

Why Traxial?

Sure, every company talks perks. But here's why you'll actually look forward to getting up in the morning:

- **Make an impact:** Your work won't just sit on a server collecting digital dust. You'll see your ideas come to life in the real world.

- **Life at Traxial ≠ boring:** Whether it's brainstorming over Belgian beers, making last-minute tweaks to designs, or Friday wrap lunches where creativity and tortillas collide—we keep things fresh.
- **Flexibility that works for you:** We know work-life balance is key. That's why we offer flexible hours to fit your lifestyle, and one day of remote work a week when it fits your role. Because we know great ideas don't always come from the same desk.
- **Kortrijk, our hidden gem:** It might be a little biased, but Kortrijk's got everything—creative energy, amazing food, and just enough peace to let your next big idea come to life.

Our philosophy?

At Traxial, mistakes aren't failures—they're launch pads. We build, we test, we laugh, and then we try again. It's engineering with heart.

Your future is here

Join us, and your ideas will be challenged, while your skills will grow. Whether you're reshaping our R&D dream team or solving the next big manufacturing challenge, you'll be part of something big.

<https://www.traxial.com/careers>