



Together, we're changing the World!

Imagine being surrounded by a team of intelligent, driven and passionate innovators, all working towards the same goal using the latest technology and tools, to create ground breaking solutions that leave our world in a better place than we found it

Electromagnetics FEA Engineer

Location: Oradea

Your Role:

- ✓ Perform analytical calculations and numerical FEA simulations, using commercial software such as FLUX 2D and ANSYS Maxwell, but internally developed software as well, with the goal of designing and optimizing the electrical hearts of our machines, mainly asynchronous motors, synchronous motors and servomotors;
- ✓ Perform experimental validation of numerical simulations;
- ✓ Collaborate with the mechanical and electrical departments to make sure that the input data and the deliverables quality are accurate.

Your Opportunities:

- ✓ Continuous professional and personal development within a highly skilled and engaged research team;
- ✓ Technical trainings provided for a successful start;
- ✓ Dealing with challenging tasks in an international context;
- ✓ Pleasant work environment, being part of a young team.

Your Profile:

- ✓ Bachelor Degree in Electrical Engineering fields; Master is an advantage; PhD is a serious advantage;
- ✓ Excellent electrical machines design knowledge from electromagnetic point of view;
- ✓ Analytical thinking and attention to details;
- ✓ Electromagnetic Finite Elements modelling knowledge; experience in using FLUX and ANSYS Maxwell is a serious advantage;
- ✓ Experience in using MATLAB is also a serious advantage;
- ✓ Fluency in English is mandatory; good French language skills are also required; autonomy in French is required within one year (you will work directly with our internal French customers);
- ✓ Willing to travel to France for training and project based;
- ✓ Customer oriented;
- ✓ Ability to work in remote virtual teams.

The Organization: Nidec Leroy Somer Engineering & Development Team

Leroy-Somer of France, former part of Emerson, has joined the Nidec family, with the purpose of creating technological products that innovates our future. Nidec is a world-leading motor company, founded in 1973, with over 230 companies and 110,000 employees worldwide. As a company that works for everything that spins and moves and which combines technology with engineering, our business portfolio spans a wide range of industries which we encounter in our everyday life, including IT, home electronics, industrial equipment, automobiles, airplanes, ships, robots, and electricity generation. We are characterized by our passion, enthusiasm and tenacity, which helps us provide solutions and one-of-a-kind products. Together with us, you can build the future of technology. One vision, one Nidec. <https://www.facebook.com/leroysover.nidec.en/>

If you are interested in being considered for this role, please send your application directly to: Ramona.Ungur@mail.nidec.com