

Great team for big challenges



Join our team as:

FEM Motor designer

Are you interested to join successful company, specialised in electronic and embedded software, which supply its services and products to big international customers?

Would you like to be part of fast growing and innovative team that solves the most complex challenges in the industry?

Responsibilities:

- Leading design of new permanent magnet electric motors
- Conduct electromagnetic mathematical modelling and simulations of electric motors
- Select right topologies and production process, select key components and materials
- Cooperate in motor control algorithm development
- Cooperate in prototype building, testing and industrialisation

Qualifications:

- Masters degree or PhD in field of power electronic or electric machines
- Experience in use of motor design FEM tools (JMAG, Motor-CAD, Maxwell)
- Use of MATLAB / optionally Simulink
- Solid knowledge different motor designs, advantages and trade-offs





You would impress with: (Nice-to-haves):

- Understanding motor control (FOC control)
- Knowledge of mechanic design tools (Solidworks)
- Experiences in mechanical and thermal FEM simulations
- Knowledge of motor testing procedures
- Understand different winding technologies (concentrated, interleaved, harpin, I pin ..)

Benefits:

- stable and established working environment with flexible working time
- competitive salary,
- permanent employment after test period in successful and fast-growing team
- work in a friendly team that solves the most complex challenges in the industry
- regular education, internal and external seminars, autonomous at own work,
- annual team building – sailing for one week in Adriatic.

About Emsiso

Emsiso is a fast growing, 18 years old research and development company. Emsiso have in the last years made a transition from general R&D company of embedded system design into a company that offers motor control, power steering and automotive solutions. In 2022 Emsiso has joined Poclairn group (www.poclairn.com), international company with locations on all continents and headquarter in France.

Nowadays company is recognized as one of the leaders in the field of motor control and development of electronic devices in the automotive industry. Company is operating worldwide with the major market in EU. In Slovenia we are cooperating with the most well-known brands from automotive, and in the field of vehicle electrification with the focus on motor control.

In parallel with the contracted development projects Emsiso have its own product line under worldwide recognised emDrive® brand name, which we would like to expand even further.

Currently Emsiso employs 50 highly skilled employees, mostly with Electronic or Computer technology background.

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