



KESSLER



Motor Design Engineer (male/female)

The KESSLER-group, which has its base in Germany, is planning to start a business in Macedonia (near to or in Skopje). It is planned to form a specialized company which focuses on research & development as well as production of electrical motors and generators. Due to this plan we are looking for a creative **Motor Design Engineer** to work on all product stages from research & development to design, manufacturing, installation and final commissioning. The goal is to design and fabricate innovative and excellent mechanical components for electrical machines.

Responsibilities

- The Motor Designer is an electromagnetics engineer in the R&D department cooperating with the R&D department of the mother company
- Develop magnetic designs (motors, generators, transformers). This may include FEA testing, design review, design modification. Decision about steel selection, improvement of product efficiency, and lamination geometry.
- Research & development on new electrical motor designs especially concerning efficiency
- Estimate budget and scope of project
- Prepare product reports and documentation
- Develop new theories or methods

Requirements

- First experience in electrical motor design
- Strong understanding of magnetics
- Skilled in circuit analysis
- Advantageous are experience with product lifecycle management (PLM), finite element analysis (FEA) and computational fluid dynamics (CFD)
- Adequate knowledge of engineering analysis tools (Ansys Maxwell)
- Mathematical computing and analysis tools knowledge (Matlab, Excel, LabView, etc)
- Creativity and analytical skills
- Technical writing skills
- Basic language skills in English or German
- BSc or MSc degree in Electrical Engineering
- Ability to combine mechanical and electrical aspects

Our offer

- We provide an attractive job opportunity to a high-potential graduate from university
- Employment in the KESSLER-group, who has a history of more than 90 years in the development and production of electrical machines
- Stage of 6-12 months in our company in Germany; costs are taken by KESSLER
- Best possible prospects for the future

We look forward to receiving your job application!

We look forward to your complete job application documents. This should include a **cover letter**, a **photograph** and a **CV**. Please enter additional information about your salary expectations and earliest possible starting date.

Send your application to:

Mrs. Melanie Gölz

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