Distributor of Simulation Software Specialized in Electrical Engineering.
Wishes to appoint a

Electromagnetic Engineer

About us :

POWERSYS distributes simulation software in the field of electrotechnics and in particular JMAG simulation software developed in Japan by JSOL Corporation. POWERSYS provides strong technical added value before and after sales for all matters concerning the software and its applications. From engineering services to software development, POWERSYS offers to industry, research and education a range of professional services covering electrical and electromechanical power systems.

Job summary:

You will be a member of the technical team and you will work closely with the Sales Department and particularly with the Sales Manager in the USA.

Tasks:

- Provide online and on-site technical support to customers primarily working with electromagnetic design including AC/DC motors and power electronics drives, solenoids, sensors.
- Design, develop and analyze motor models including permanent magnet motors and induction motors.
- Integrate motor models with control modules in MATLAB-SIMULINK, Abaqus, ModeFRONTIER software programs for automotive applications.
- Develop and conduct introductory presentations and demonstrations of JMAG's capabilities for prospective customers.
- Explain the underlying physics, analysis algorithms, design concepts and manufacturing trade-offs for electric motors and power electronic converters.
- Create benchmark models to target main points of interest.
- Manage the team's support ticketing system (Redmine). Assign support issues to support engineers.
- Maintain constant communication with JSOL developer team to report bugs and pass on general customer feedback regarding improvements.
- Create analysis and reports on in-house design projects using JMAG FEA.

Profile:

- You are an engineer in Electrical Engineering (Master's Degree), specialized and experienced in Motor Design with FEA EM software
- You have expert knowledge and a strong experience in electrical machine design for industrial applications
- You have expert knowledge and a strong experience in FEA EM Software
- You have a strong sense of responsibility,
- You have strong technical, interpersonal and client relationship skills,
- You have excellent writing and communication skills
- You have strong organizational and multi-tasking skills

Particulars:

- Job located in San Diego area.
- Telecommuting permitted
- Job available as soon as possible.
- Salary: to be discussed

How to apply:

Send your resume and cover letter to:
Ms. Mireille Hue
Human Resources Manager
m.hue@powersys.fr - www.powersys-solutions.com