SENIOR ADVANCED PROPULSION ENGINEER ELECTRIC MOTORS (H/F)

CDI - Monaco

Since 2000, the Monegasque Venturi Group has specialized in the design and manufacture of high-performance electric vehicles. Whether through world records, expeditions on hostile terrain, the creation of the first electric sports car, the development of innovative vehicles or its involvement in the Formula E World Championship, the Venturi Group embodies and demonstrates all the capabilities of the electric vehicle on 2 or 4 wheels.

Since 2021, Venturi invents, studies, designs and manufactures mobility solutions capable of handling the extreme environmental conditions found on the Moon and Mars.

The Senior Advanced Propulsion Engineer will be focused on traction motors. You'll be responsible for definition of requirements, execution of design, simulation and analysis, development, and testing of electric motors. You'll provides technical direction to other engineers, or engineering support personnel.

YOUR MAIN RESPONSABILITIES

- Leads & coordinates new propulsion technologies of electric machines for Electric Vehicle architectures and programs.
- Develops concepts and models of electric machines for system level analyses.
- Generates technical solutions to improve efficiencies for current and new electric motor designs.
- Provides technical leadership for advanced motor technology discussions with peers.
- Performs complex analysis on new electric motors in conjunction with overall architecture of propulsion systems.
- Develops engineering designs including subsystems and components of motors and power electronics.
- Specifies and balances system requirements.
- Plans and implements test and/or development programs.
- Communicates, coordinates, and consults with engineering departments and customers.
- Stays abreast of new technology and competitive products with benchmarking reviews.

REQUIREMENTS

PhD in Electrical Engineering with a 7+ years in electrical motor design or analysis (related graduate work accepted), you have a high understanding of engineering theory and principles of electrical motor design.

- Specialization in Electrical Machines & Electric Drives.
- High level of analytical ability where problems are unusual or difficult.
- Extensive knowledge & experience required in electro-magnetic machine design using FEA tools.
- Design, development, and testing experience with electric motors.
- Working knowledge of electric motors and inverter controls.
- Working knowledge of electric motor design optimization methods.
- Working knowledge of electric motor manufacturing, testing and development.
- Strong interest and ability in integration and system understanding.
- Excellent oral and written communication skills.
- Ability to troubleshoot and problem solve.
- High level of project management skills.
- Demonstrated ability to work independently and with others.

Ready to take on these new challenges?

Apply now and submit your complete application (CV, diplomas, certificates) directly to hr@venturi.com and join us in this extraordinary adventure!

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