Simulation and Analysis Scientist

Key to your success:
You are a multidisciplinary thinker. You strive to understand how things work and to explain it to others.

Company:
Developing a new digital manufacturing process for the production of large metal parts called: Additive Casting. Our product will be a single automated machine that replaces the complex multiple processes of a metal casting foundry. The customers will insert the materials and part CAD file and the machine will output the part ready for finishing. A lab machine has proven that the physics of the technology is working. We are starting on the road to industrializing the solution.

Position:
In this position you will be the lead in the simulations and analysis of the multiple physical processes of the system.

Reporting to:
VP Physics

Scope of Work:
Your work will include developing and performing multi-physics simulations including integrated models of electromagnetics, thermodynamics and heat and mass flow. You will be working with scientists and engineers from various disciplines on the development of the process and module functions. Defining experiments and comparing experimental results with simulations will be an important part of your work.

What we are looking for:
M.Sc. / Ph.D. in physics / electronics engineering / mechanical engineering
Minimum 5 years of multi-physics simulation experience with Ansys, Comsol or equivalent platform

Advantages:
Experience in combined electromagnetic, thermodynamic and heat and mass flow simulations in an industrial environment.
Contact:

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