Job description: System Engineer, HVAC modeling

We are looking for a highly motivated and results driven individual to join our HVAC modeling group of one famous company which is located in Qingdao, China. This is an exciting position for the right individual that is interested in air conditioning and building simulation and collaborating with the rest of the Modeling, Analysis, Simulation teams in setting up and implementing programs and projects.

Specific responsibilities:

·        Lead projects for developing and applying physics-based modeling to air conditioning products (equipment and building level).

·        Lead projects related to the delivery of new modeling tools with responsibility over the quality and timing of the required tasks.

·        Support the application of modeling tools to product development programs.

·       Collaborate with modeling and simulation teams of central research in Germany and Singapore for building simulation.

The HVAC modeling group in R&D center is responsible for developing our competence in system modeling focusing on steady-state, dynamic, and building energy modeling. The main objective of this group is to increase competence and skill set in system and component modeling and simulation to increase the quality of our products and accelerate product development, while eliminating the need for extensive product development testing.

The prospective candidates should have at least 1 year experience in steady-state and dynamic modeling of vapor-compression and/or heating systems including related components like heat exchangers and compression technologies. Strong capabilities in computational simulations, physics based modeling, and dynamic system analysis. Working knowledge of Modelica/Dymola, C/C++, Matlab/Simulink, Ansys Fluent is highly desirable.

Education

Candidates should possess a MS or PhD in Mechanical Engineering, Building Energy Engineering or Physics. Fluent English, solid technical writing, presentation, and communication skills. Ability to work with multidisciplinary teams and in a global environment is required.

如对此岗位有兴趣，请将简历(doc或pdf)[发送至ada.li@atomconsult.com](mailto:发送至ada.li@atomconsult.com).

邮件标题请参照以下格式： YourName\_System Engineer HVAC modeling

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