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Dr. Phan Hai Trieu
Commissariat à l'énergie atomique
et aux énergies alternatives
France

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Respected Dr. Hai Trieu,

I write this letter as part of my application for an internship with CEA on absorption cooling systems. As a mechanical engineering student, I am interested foremost in energy systems, smart energy planning and renewable energies; during my master's program at EPFL, this has led me to seek out courses that either cater explicitly to these interests, or which I have personally judged to be valuable or relevant in the future of these fields. Throughout my education, great emphasis has been placed on the role which my generation will have to play in the coming years vis-à-vis the energy transition, and so it is that I believe it is of the utmost importance that I respect society's investment in me by contributing to this issue as an active participant. As part of my Master's program, I am required to carry out an industrial internship; since I'm primarily interested in joining the workforce as an industrial researcher, I am very attracted to the idea of a heavily research-oriented project framework for this internship, and I feel there is no better place to apply and develop my experience in alternative energy technologies than at CEA.

In both my Bachelor's and Master's programs, I have opted for projects involving energy systems (Chemical energy storage in my Bachelor's Thesis and Building Energy System Design in a Master's Semester Project). My course on Refrigeration and air-conditioning in my Bachelor's has prepared me well to rise to the challenges of this project from a thermodynamic perspective, and I've also had brief experience with Engineering Equation Solver (EES) from a short course on Thermal Systems Design. Finally, teamwork is heavily emphasized at EPFL, to the point that I have developed my transversal skills during my time here considerably. I believe my knowledge of and experience in this combination of topics positions me uniquely as an ideal candidate for this project.

I end here, thanking you for your time spent reviewing my application. Please let me know if I can provide anything else to help a decision on your end. I hope to hear from you soon.

Sincerely,



Adithyan Kannaiyan
