

**LUCA DI STASIO**  
**Postdoctoral Researcher/Scientist**

Discovery Boulevard, G-3900, KAUST, Thuwal, Saudi Arabia

**D-CPR Certified**  
**(+966) 53 419 70 84**

**Driving License B (IT)**  
**luca.distasio@gmail.com**

---

Dear Yara,

Dear Hiring Team,

My multidisciplinary engineering background, built upon a core education in Aerospace and Mechanical Engineering and complemented with advanced diplomas and degrees in Industrial Engineering, Materials Science & Engineering and Polymeric Composite Materials, along with my experience in developing and managing international research projects both as leader and collaborator, provide me with the skills to boost WattsUp Power growth in a Mechanical Engineer capacity.

I offer proficiency in 2D and 3D CAD modeling, several computational methods of solid and structural mechanics (FEM, BEM), fluid mechanics (LBM, FVM), fracture and damage mechanics (CZM, VCCT, J-integral, interaction integrals), mesh generation and computational geometry (transfinite interpolation, elliptic/parabolic/hyperbolic mesh smoothing), and statistical mechanics (MC, MD). I have multiple years of experience in mechanical testing, strain sensing, ultrasound inspection, thermal imaging, and microscopy. I am expert in several software and programming languages as outlined in my CV.

The opportunity of living and working in several countries has allowed me not only to become fluent in different languages but most importantly to master cross-cultural communication skills. Flexibility, adaptability, and rapid response to change are qualities that I have nurtured by navigating multiple work environments. From my Master's thesis through my Ph.D. project to my postdoctoral fellowship, I have learned to manage international research projects from inception to exploitation. Honesty, transparency, and a positive attitude towards challenges have helped me earn the trust of each stakeholder involved. The ability to communicate candidly in the workplace has allowed me to build a broad network across different countries and scientific fields.

I am eager to put my skills and experience in service of WattsUp Power's mission to create a fossil-free world, and I am confident we should arrange a time to meet. In the meantime, I wish to thank you for taking the time to consider my application and review my qualifications.

Sincerely,

Luca Di Stasio