



## **Chemist in research and development team.**

Hello there talented Chemists! We are Magneto, a pioneering startup dedicated to advancing the field of sustainable magnetocaloric heating and cooling. We are 10 highly skilled individuals, and we're eagerly searching for a Chemist to join our ranks for research and development.

### **About Magneto:**

In Magneto, we believe that we don't have to sacrifice our planet for our comfort or vice versa. Current heating and cooling systems are some of the biggest producers of greenhouse gas emissions. Our solution based on state-of-the-art magnetocaloric technology offers an alternative to producers of heat pump appliances for cooling and heating. An alternative with zero greenhouse gas emissions saves their clients around 30% of power consumption and has a lower cost of ownership. Using cutting-edge additive manufacturing technology, we produce 3D-printed magnetocaloric materials, revolutionizing the cooling and heating industry and enabling highly efficient, gas-free and sustainable refrigeration, air conditioning and household heating.

As a spin-off deep tech company from TU Delft, we connect the latest technology breakthroughs with the most reliable industrial processes, which leads to a game-changing technology targeting the \$19b market of vapor compressors. Together with the EIC Accelerator Project of the European Innovation Council and our venture capital backers, we are sprinting toward our demonstration and Pilot-plan project for supermarkets in the Netherlands in the next two years.

We are in the exciting phase of a fast-growing start-up and are looking for an ambitious and organised Chemist or Chemical Engineer. The selected candidate will be a core member of the material development team and work among a group of multidisciplinary (and fun!) colleagues and develop Magneto but also herself/himself. Join Magneto, and we build revolutionary cooling and heating technology together for a sustainable future!

### **What you'll do:**

**Material development:** You will be at the heart of managing the team and organizing the R&D work to create the best processes and material compositions for magnetocaloric heating and cooling systems. You will work closely with the team leader and bring magnetocaloric technology to life!

- **Research and Development:** Using your scientific background, you are working in a highly independent manner and demonstrate project leadership. You will collaborate and coordinate activities with international partners and lead the organization of laboratory work assignments in the team with minimal supervision.
- **Communication:** Utilize your communication and project management skills to establish organizational clarity and boost productivity of a team of material scientists and technicians. You communicate results in an impactful manner to all relevant stakeholders.
- **Continuous material and process optimization:** You will leverage your chemistry skills and problem-solving abilities to optimize our processes and materials to improve the quality of our products.

### What you'll bring:

You have passion and curiosity for novel sustainable technologies to help our planet! You are always eager to learn and grow in your expertise. You are an organized person that seeks clarity and structure, but you also do not hesitate to be pragmatic and find simple solutions for complex problems.

- **Chemistry Proficiency:** You possess a Master-degree in Chemistry / Chemical Engineering and have a keen eye for safety in the lab. Experience in research or the chemical industry is definitely a plus.
- **Project management:** You have the ability to lead, plan, coordinate and complete research projects on challenging problems with cross-functional teams. You are a self-driven and organized project manager, who enjoys managing people and organizing the R&D work. You think outside the box and show problem solving and decision-making skills.
- **Communication:** You are a pro-active and excellent communicator and bring positivity to the people around you. You inspire the team and create meaningful relationships with international partners with your inter-personal communication skills. You thrive on brainstorming and discussing with the team and can bring your own ideas to the table!
- **Impact:** You provide and communicate results in an impactful manner to all relevant stakeholders in the form of presentations or reports.
- **Digital Skills:** You are proficient with data processing software (e.g. Excel) and are able to create databases, work flows and tables for chemical formulations and analysis results. If you have some basic programming skills, such as Python, Matlab or C++, it would definitely be a plus.
- **Curiosity:** You are driven by curiosity and an innate desire to understand and solve problems. You can think outside the box and continually seek opportunities for learning and growth.
- **Adaptability & Flexibility:** Startups can be a bit of a rollercoaster. You need to thrive in an ever-changing, fast-paced environment and be ready to pivot when necessary.

### What we offer:

**Innovation Hub:** Join us in exploring groundbreaking technology that has the potential to reshape our world. Magneto is an innovation playground for engineers like you.

- **Significant Impact:** As a part of our startup, your contributions will be immediately noticeable. Your ideas and efforts will play a critical role in shaping our future, and hopefully even the future of our planet.
- **Personal Growth:** In our small team you'll get responsibilities rather sooner than later, with the chance to grow along with the company.
- **Flexibility:** We prioritize work-life balance and provide a flexible work environment, recognizing that your best work often emerges when you're comfortable and at ease.
- **Conformal Compensation:** We believe your primary motivation should be intrinsic, but you shouldn't have to sacrifice on your groceries.

### Interested?

If you are eager to embark on a journey into the captivating realm of magnetocaloric heating and cooling with Magneto, kindly forward your resume and a brief introduction to:

Michael Maschek

Director Material Development

Email: [michael@magneto.systems](mailto:michael@magneto.systems).

LinkedIn: <https://www.linkedin.com/in/dr-michael-maschek-b90b00146/>

Join us in charting the course toward a more comfortable, sustainable world of heating and cooling!