



## **Pilot Lab Technician (Temp)**

### **Who are we?**

We are the University of Cambridge presence in Singapore called Cambridge CARES, sponsored by the NRF CREATE program CAM.CREATE. CARES also hosts industry-funded and other agencies funded projects. Our team is comprised of world-class scientists and engineers working in a vibrant, fast-paced environment with great opportunities for knowledge and skills development.

CARES is a partner in the AMPLE project (An Accelerated Manufacturing Platform for Engineered Nanomaterials), aiming to build a state-of-the-art pilot facility for rapidly scaling-up nanomaterial production, building upon recent innovations at CARES in the areas of reactor design, machine learning and automation. This two-year project started in 2022 and will lead to commercialization through CARES' spinoff company Accelerated Materials Ltd.

### **Who are we looking for?**

We are seeking for a (Temp) Pilot Lab Technician to assist the Ample project team in running production trials for nanomaterials synthesis. The ideal technician would have a strong safety-oriented ethic, be an effective communicator, and methodical nature. This short term role will also give the candidate exposure to a startup environment and new technologies in nanomaterials manufacturing, automation and artificial intelligence. This will be a fixed-term contract that ends on 30 November 2024 with the possibility of extending to a longer-term position.

### **Key Responsibilities:**

- Material Preparation of 20 L of chemicals, able to lift 30 kg on a daily basis.
- Monitor and operate equipment handling batch process, 20 L or more, in a safe and efficient manner
- Respond to alarms and other process-related issues in a timely manner
- Perform cleaning tasks after trials
- Basic understanding of coding and ladder logic is a plus, but not necessary
- Prior experience with wiring and electronics is preferred, but not necessary
- Able to perform manual titration and other daily lab tasks
- Assist in procurement and accept parcel delivery
- Adhere to all safety procedures and guidelines

### **Qualifications:**

- Tertiary certification in chemistry, chemical engineering or related field
- Knowledge on general chemical engineering concepts, such as mass and mole balance
- Familiarity in working in chemical laboratory or pilot plant is a plus
- Strong attention to detail and ability to maintain accurate records

- Excellent communication and interpersonal skills
- Ability to work independently and as part of a team
- Ability to use basic computer software, including Microsoft Office and data entry programs. Python scripting knowledge is a plus.

**What can we offer you?**

- A stimulating working-environment with friendly, highly motivated colleagues.
- Opportunities to develop and implement new ideas in a creative environment.
- A competitive salary in line with your skills and experience.
- A comprehensive medical insurance coverage as part of your employment.

Please note this post is mainly based in the CREATE Tower at NUS University Town, Singapore.

**How to apply?**

Please apply by uploading your CV and academic transcript to <https://talent.sage.hr/jobs/77c00e40-fdd9-4b62-8621-c2a9e243bae2>. If you have any questions, please feel free to reach out to the HR team at [recruitment@cares.cam.ac.uk](mailto:recruitment@cares.cam.ac.uk).