



2022 Graduate Engineer Opportunity | Immediate Start

About Us

1414 Degrees is focused on innovative technological research and development to enable a clean energy future by firming intermittent renewables to provide decarbonised high-temperature heat for industry and an energy storage solution for the grid. We believe that we are the most advanced company in the world commercialising silicon-based thermal energy storage technology, which is unique in its combination of versatility, scalability, sustainability, and cost.

About You

If you are committed to a hands-on role and share our determination to create innovative technology, then this could be the opportunity for you. We are seeking a talented and self-motivated Graduate Engineer to assist in the design, planning and implementation of experiments focused on 1414 Degrees' Research and Development priorities.

We would love to hear from you if your profile meets the following essential requirements:

- You hold Australian PR or citizenship and are committed to full-time working hours
- You are interested in conducting research and testing of high-temperature materials in a workshop environment, as well as performing calculations and modelling of thermal systems

Primary Activities

- Conduct literature surveys, data analysis and interpretation to plan and review experimental campaigns
- Design, setup and operation of experimental campaigns and prepare samples for testing
- Develop innovative design concepts for thermal storage media
- Heat transfer and other engineering calculations and evaluation
- Preparing test reports, analyses and summary documents for each R&D and engineering activity to ensure effective dissemination of technical information to internal and external stakeholders
- Contributing to a team of internal engineers, external consultants, contractors, and suppliers as required to ensure project deliverables are met within scheduled timeframes and budget

Requirements

- Bachelor's degree in an Engineering discipline, preferably Mechanical, Chemical or Materials with less than 2 years' experience
- Demonstrated first-hand research experience
- Basic knowledge of system analysis and heat and mass transfer
- Strong computer skills
- A creative approach to problem-solving, analysis and interpretation of data
- The ability to work independently and as a part of a multi-disciplinary team
- Exposure to refractories, ceramics or metallurgy is desirable, or a willingness to learn it is necessary

What's Next

- Upload your resume, cover letter and academic transcript, applications close July 11, 2022
- Salary \$70,000

1414 Degrees are an Equal Opportunity Employer that provides and promotes an inclusive work environment. We embrace the diverse talent of people and treat each other fairly and with dignity regardless of race, gender, nationality, ethnic origin, religion, age, sexual orientation, or beliefs.