SunGreenH2
Melbourne, Australia

Material Engineer

SunGreenH2 is an award winning venture backed company developing proprietary nanostructured electrodes for all commercial electrolyzers to unlock affordable green hydrogen globally. We have a vision for zero carbon, low cost, green hydrogen available globally at scale.

To achieve our vision we are expanding our fast growing team with a Material Engineer to join our team in Melbourne, Australia. Your responsibilities will include materials development, fabrication and electrochemical testing of energy materials. This is a junior position and you will be tasked with general laboratory and manufacturing based tasks, assisting the development team with specific projects as well as pilot manufacturing as necessary.

Responsible For

- Working closely with material engineering team to test and characterise different materials and document all results
- Assisting in material preparation using electrochemical deposition and micro and nano-powder sintering of metal alloys
- Assisting in selective etching using chemical and electrochemical methods
- Performing electrochemical testing and characterisation of our fabricated electrodes
- Laboratory day-to-day operations including lab organisation, laboratory facilities, and safety protocols.
- Staying up to date with scientific literature/patent, brainstorm new ideas and enhance the IP suite of the company
- Preparing progress updates and presentations

Your Profile

- Undergraduate degree in materials, process or chemical engineering or related field
- Interest and/or experience in manufacturing or a laboratory environment is an advantage
- Passionate about clean energy with a high level of scientific creativity and excellent problem-solving skills
- Excellent communication skills in English
- Safe handling of MS Office programs
- Meticulous, organised, team player with a high level of integrity

To Apply

Send your CV with covering letter to contact@sungreenh2.com stating "Material Engineer, Melbourne" in the subject line.