

LEAD RESEARCH AND DEVELOPMENT ENGINEER (GREEN STEEL)



FIFTEEN MONTHS FIXED TERM, FULL TIME

JOB OVERVIEW: The Lead Research and Development (R&D) Engineer will contribute to the research design and development of an exciting new electrical technology capable of heating industrial gas streams to > 1000C. This has the potential to revolutionise the future of steel and cement-making industries, which account for 15% of all global CO2 Emissions. As an experienced R&D engineer you will be working alongside world-leading researchers to decarbonise these industries for New Zealand and the world.

KŌRERO MŌ TE TŪRANGA- ABOUT THE ROLE

Lead R&D Engineer is a split role between Wellington UniVentures and the Robinson Research Institute, utilising Industry expertise and knowledge to grow our project within the Robinson Research Institute Green Steel team.

Key responsibilities span across the project, with key activities including:

- Design, procurement, and assembly of prototype systems incorporating refractory components, electrical elements and gas delivery control.
- Experimental testing and characterisation of prototype systems to validate existing models and optimise performance.
- Participation in iterative design improvements in conjunction with our wider team.

Our ideal candidate will either hold a degree in mechanical or electrical engineering or have at least 5 years relevant industrial experience. Preferably, they will have experience and knowledge in some of the following areas:

- Construction of high temperature furnaces incorporating refractory materials and controlled atmospheres, or, design and implementation of automated feedback control for gas flow systems.
- Comfortable working in an experimental R&D environment, and able to swiftly pivot thinking in response to new ideas and data.
- Ability to understand complex technologies and interpret their application in a commercial environment.
- Demonstrated ability to maintain effective relationships with stakeholders, both managerially and externally and work as part of a team.

Ō PŪMANAWA - ABOUT YOU





Mō Te Paewai - About Us

We are Wellington UniVentures and we're responsible for creating new ventures from Te Herenga Waka—Victoria University of Wellington's research.

Building on our purpose—to lift lives everywhere with knowledge—Wellington UniVentures works with our University innovators to shape their research into initiatives that create impact. We do this by connecting them with partners, industry and investors to enable the growth and development of their idea or invention. With time, development and Wellington UniVentures' support, these ideas can become life changing initiatives focused on solving problems and building stronger societies.

In return for your experience, Wellington UniVentures can offer you great benefits such as access to a wide variety of workshops for you to continue to learn and develop, subsidised onsite gym membership, free health and wellbeing events, and extra annual leave days.

Please find the role description [Here](#).

If this role sounds like you and you're interested in joining a small, collaborative and busy team, please apply now with a cover letter and your CV to adam.podmore@wellingtonuniventures.nz – we'd love to hear from you right away!



We are committed to ensuring the health, safety and wellbeing of all our staff and contractors. As part of our broader COVID-19 management strategy and to further protect the wellbeing of our staff, customers and partners from COVID-19, we support and encourage all our staff to be vaccinated. If you have any concerns or questions about this, please talk to us.

Wellington UniVentures is committed to providing a working environment that embraces, values and reflects the diversity of the community it serves.

MORE INFORMATION

Find out more about working at Wellington UniVentures, contact our HR Manager.

E: lisa.bishop@wellingtonuniventures.nz