ENERGYBANK

Transform the world as we catalyse the adoption of renewable energy.

The Job

EnergyBank is an early-stage startup seeking high performing, pioneering and enthusiastic spirits to drive the rapid growth that we must achieve.

We are looking for a junior engineer to join us in the development of our deep-sea energy storage systems. You will be assisting with the successful conceptual development, prototyping, and testing of devices including a deep-sea mass handling system and an ultra-low-wear traction system. You will be based within our workshop spaces at Outset Ventures in Parnell, Auckland.

We have internships available for tertiary students for a 10-week contract.

We also have a role available for a PhD or masters graduate for 6 months. These are fixed term roles.

Please note that are current roles are only open to those who fit one of the following criteria:

1. Tertiary students: You are studying at a Bachelor to PhD level (NZQA 7-10) in Science, Tech, Eng, Design, or Business, or have finished this level of study less than 12 months ago.
2. Masters or PhD students: You are about to complete, or have recently completed, a masters or PhD degree in science, technology, engineering, design or business (i.e. have submitted a thesis for marking (or completed course requirement for taught masters) less than 12 months ago.

Building a thriving, diverse team is our priority, so even if you think you might not exactly meet our requirements, we would still appreciate your application.

EnergyBank

EnergyBank was founded to capitalise on the opportunity of a lifetime while also accelerating society's decarbonisation. To do this, we are developing the next generation of energy storage technology.

Energy storage boosts the value of renewables by creating artificial demand during periods of renewable oversupply. Storage then displaces fossil-fuelled generation by supplying that energy back to the grid during renewable supply shortages.

Our technology works by moving multiple thousand-tonne masses back and forth between the ocean floor and its surface over vertical distances of between four and eight kilometres. This process leverages the depth of the ocean and gravitational potential to store energy with radically improved economics.

To achieve our mission, EnergyBank has been joined by five venture capital funds that have supported success stories like Coinbase, RocketLab and Canva. So, if you are a collaborative, high performer with a passion for innovative problem solving, we would love for you to join us as well!

Our Values

At EnergyBank everything we do is framed through our values. We continuously work to hold them front of mind. They are not static, and we continually refine them as a team.

 We're here for the gnarly and the novel. We are lifelong explorers—constantly embracing new adventures, challenges, and radically creative solutions. Our engineering process leverages this mindset to develop inspiring designs.

 Together we strive, together we thrive. At EnergyBank we foster collaboration by working hard to build respect, diversity, and trust. We strive to enhance the wellbeing of our team, the environment, and the communities in which we work and live.

 We find beauty in integrity. We operate with a core of integrity, equity, and transparency—even when this is difficult.

You

- Through highs and lows, maintain a lightness in step, a fullness in heart, and a focus in resolve.
- Are comfortable breaking down and solving complex problems while keeping original goals in mind.
- Maintain a high standard of professionalism and have excellent interpersonal skills.
- Promote the best solutions regardless of their origin.
- Enjoy wearing multiple hats and having a variety of tasks.
- Are comfortable at a desk or in a workshop.
- Have a powerful desire for personal development and growth.
- Thrive in a fast-moving environment.
- Irrespective of ongoing success or failure, default to collaboration.

Responsibilities

Working with the senior team, you will be responsible for helping prove the feasibility of a novel energy storage system. This will involve:

- Conceptual research and design of prototype electromechanical assemblies.
- Detailed design of prototype assemblies and test equipment.
- Manufacturing planning and creation of prototype production packages.
- Management of prototype manufacture, assembly, and testing.
- Technical report writing on the results of all of the above.

Skills and Experience

We are looking for people who, alongside a relevant professional degree, have experience with most of the following:

- Control systems design and analysis.
- Electromechanical design and prototyping.
- Experience specifying, selecting, and controlling motors.

- General workshop skills.
- Parametric CAD design.
- Technical communication (written & oral).
- Structured design processes.

Remuneration

The wage for the internship is $23.65/hr for up to 400 hours (10 weeks of full-time work).

The annual salary for a masters graduate is $60,000.

The annual salary for a PhD graduate is $70,000.

Does this sound like you?

Fantastic, you are a rare gem. We would appreciate you taking the time to apply by completing the questionnaire here.