



ASX Announcement

7 December 2021

ReNu Energy to Invest in Leading Australian Battery Technology Company

Highlights

- Allegro Energy is a battery technology company focused on the commercialisation of a **unique water-based electrolyte**, which has competitive advantages over technology currently available in the market.
- Subscription Agreement signed with **Allegro Energy** (<https://allegro.energy/>) for an investment of \$450,000 for a 5% stake.
- The technology, developed at the **Victoria University of Wellington (NZ)** in 2017, is applicable in electric mobility, grid stabilisation, frequency control ancillary services, uninterrupted power supply, and others, including in **applications where current storage technologies are not well suited**.
- Allegro's technology can be used in **redox flow batteries** and **supercapacitors**, providing multiple commercialisation opportunities across large markets.
- **The technology is patented** in Australia, New Zealand, China and Europe and patent applications have been lodged in the US and Japan.
- Founders' shares are subject to vesting conditions to May 2025. Allegro's share register also includes the **Victoria University of Wellington (NZ)** and **The Melt**, an advanced manufacturing centre and innovator accelerator focused on hardware products.
- ReNu Energy has completed its current cycle of renewable and clean energy investments and now has a **compelling portfolio of investee companies** with multiple potential synergies and commercialisation opportunities.
- ReNu Energy Board and management to now focus on **completing the acquisition of 100% of Countrywide Renewable Hydrogen Limited**, **advancing the pipeline of green hydrogen opportunities** and progressing the Company's other investments.

ReNu Energy Limited (**ReNu Energy**) (**ASX: RNE**) is pleased to advise that it has entered into a Subscription Agreement with energy storage solution and battery technology company, Allegro Energy Pty Ltd (**Allegro**). Under the agreement, ReNu Energy will invest \$450,000 for a 5% post money interest in Allegro. Allegro's Founders hold 85% of the Company on a pre-money basis. The Founders' shares are subject to vesting conditions, with 38% vested and the remaining 62% vesting in equal monthly instalments to May 2025.

The investment is the fourth in ReNu Energy's renewable and clean energy incubator/accelerator strategy, providing the company with exposure to the battery technology and energy storage solution market, which will be essential to match supply and demand as countries and large corporations move to meet net zero commitments. ReNu Energy expects to complete the investment on 8 December 2021.

Allegro has developed a unique water-based electrolyte, which can be used in the development of high performance, safe, non-toxic, non-flammable supercapacitors and redox flow batteries at a significantly lower cost than those currently available in the market.

Allegro's technology was developed in 2017 by Allegro's Founders at Victoria University of Wellington (NZ). Allegro holds an exclusive worldwide licence from Wellington UniVentures to commercialise the technology and an exclusive option to acquire full ownership for cash payment or issue of Allegro shares. The technology is patented in Australia, New Zealand, China and Europe and patent applications have been made in the US and Japan.

The technology fits into a number of applications that current storage technologies are not well suited to (for example in safety critical non-flammable applications) and has applicability in electric mobility, grid stabilisation, frequency control ancillary services (FCAS) and uninterrupted power supply (UPS).

ReNu Energy's investment is part of a broader funding round undertaken by Allegro to raise approximately \$1 million. Other investors in the round include The Melt, an advanced manufacturing centre and innovator accelerator focused on hardware products. The Melt team has invested in over 100 start-up businesses with a number of successful exits including ASX listing. As part of the transaction, ReNu Energy has the right to maintain its fully diluted interest in the company at subsequent capital raises.

Allegro has built and validated several prototypes of the technology in a laboratory environment. The funds raised will be utilised over the next 12 months to develop and scale the supercapacitor and redox flow battery technology to industry quality. Allegro has received interest from large potential partners and customers interested to support the early development of a redox flow battery pilot plant using its technology.

Following completion of the investment, ReNu Energy will continue to explore synergies between Allegro and commercialisation opportunities provided by its other investments. For example, the ability to use Allegro's redox flow battery technology to provide electricity storage for Countrywide Renewable Hydrogen's green hydrogen projects when wind and solar generation may not be available, is one area of potential collaboration.

ReNu Energy Chairman, Boyd White said: *"Allegro's founders, with over 40 years' collective experience in nanotechnology and energy storage research, have developed an exciting energy storage proposition through the application of their unique water-based electrolytes. The investment is an excellent and complementary fit to our portfolio. With this investment in place, our focus now is to complete the acquisition of Countrywide Renewable Hydrogen Limited and actively progress the Countrywide pipeline of green hydrogen opportunities."*

ReNu Energy CEO, Greg Watson added: *"We are very pleased to be participating in this funding round and to provide ReNu Energy shareholders with access to the battery technology sector, which will be pivotal as the world continues to reduce emissions and strive toward net zero. The electrolyte solution the founders have invented has wide applicability to global markets and is patent protected, scalable, low cost, green and already generating strong interest from large corporate groups."*

Allegro Managing Director, Thomas Nann added: *"Having researched and developed our technology for many years, it's exciting for us to be making major progress in taking Allegro's products to market. With ReNu's support Allegro can progress the development of its unique technology, contributing to the transition to the electrification-of-everything, and a world powered entirely by clean energy."*



This announcement has been authorised for release to ASX by the Board of ReNu Energy.

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