

Media Briefing

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Energy Renaissance Summary

- Energy Renaissance (ER) is an Australian-owned and operated lithium-ion battery technology and manufacturing company and the developer of Australia's first battery Gigafactory.
- ER's "superStorage™" ruggedised battery products can be used in stationary and transport applications, and they are the only battery manufacturer committed to the local supply chain and already using over 90% Australian components.
- ER is shipping orders for commercial-scale battery installations within Australia and is expecting to shortly receive orders for international export.
- ER and CSIRO have developed a world-leading hyper-accurate, cyber-secure battery management system (BMS) in all products.
- ER operates from Australia's first Gigafactory located in the Hunter region of New South Wales, which creates jobs and contributes to GDP while providing self-sufficiency and energy security for Australia. The facility is currently in operation and continues to scale with further semi-automated production lines to meet demand.

1. Overview

Energy Renaissance (ER), an Australian-owned and operated lithium-ion battery technology and manufacturing company, proudly stands as the developer of Australia's first battery Gigafactory. Established with a vision to revolutionise energy storage, ER's commitment to local supply chain and utilisation of over 90% Australian components in their "superStorage™" ruggedised battery products distinguishes them in the industry. These products, suitable for both stationary and transport applications, are setting new standards in safety, efficiency, and environmental sustainability.

2. Background and development

ER's journey began in 2015, evolving over eight years to start battery production in 2021. The launch of *RENAISSANCE ONE*, Australia's first Gigafactory in Tomago, NSW, marks a significant milestone in ER's history. This facility is not only a hub of advanced manufacturing but also a testament to ER's dedication to local employment and economic contribution. ER's collaboration with the CSIRO has yielded a cutting-edge "superStorage™" technology platform, encapsulating proprietary hardware, software, data, and design integration, optimised for hot-climate operation.



3. Advanced Manufacturing and Economic Impact

The Renaissance One project, divided into two stages, aims to enhance large-scale battery and cell manufacturing. Its impact on the Australian economy is profound, with the potential to create up to 720 direct jobs, contribute \$800 million to Australia's GDP, and generate \$60 million in recurring state taxes for NSW. More broadly, the project could catalyze over 80,000 jobs in an Australian advanced manufacturing industry, boosting national energy security and creating a new export stream.

4. Safety and Security of ER Batteries

ER collaborates with CSIRO and the Australian Defence Industries to ensure their products meet the highest safety standards, even under challenging conditions. ER's batteries feature multiple layers of safety protections, surpassing commonly known imported batteries. Innovations include the use of chemistry-agnostic prismatic cells, thermal and acoustic management systems, built in recyclability and a sophisticated Australian CSIRO-designed battery management system.

5. Future Plans and Ambitions

ER is unique in its pursuit of a comprehensive 'mineral to manufacture and export' model in Australia. Working alongside CSIRO, Bosch Australia, ATB Morton, and regional business groups, ER aims to make every component of the Renaissance superStorage™ battery system domestically. This ambition not only safeguards against global supply chain issues but also maximises Australia's natural resource advantage, driving significant job creation and economic opportunities as the country transitions to renewable energy industries.

Energy Renaissance is more than a company; it is a catalyst for change in the renewable energy sector, demonstrating the potential of Australian innovation and dedication to sustainable development. ER's continued growth and contribution to the national and global energy landscape will play a pivotal role in shaping a greener, more sustainable future.

For further information, please visit www.energyrenaissance.com or contact media@energyrenaissance.com.

