ASX Announcement

24 October 2025

ASX Market Update: Greenhy2 Limited (ASX: H2G)

Greenhy2 Limited (ASX: H2G) is pleased to provide shareholders with an update on significant strategic and operational developments, reflecting our commitment to innovation, safety, and sustainability in the energy storage sector. Following our rebranding to H2G (Highway to Green), we continue to advance our mission to deliver cutting-edge, sustainable energy solutions (www.greenhy2.com.au).

Strategic Diversification Developments

1. **Launch of H2G PowerSafe Sodium-Ion Battery Range.** H2G has launched its innovative *H2G PowerSafe Sodium-Ion Battery* range, designed for residential, commercial, industrial, and utility applications. Engineered specifically for Australian conditions, these batteries provide a **safe, affordable, long-life and sustainable energy storage solution.**

    - **Safety**: Sodium-ion batteries eliminate the risk of thermal runaway and fires, ensuring safety and insurability for property portfolios.

    - **Affordability**: Sodium-ion technology is already more affordable than lithium-ion, with forecasts from major cell manufacturer CATL indicating cell costs could drop to $10/kWh, less than one-third of lithium-ion costs.

    - **Long Life:** They offer a lifespan of approximately 20 years (double that of most lithium-ion alternatives) and operate effectively in extreme temperatures (-30°C to +60°C).

    - **Sustainability**: 100% recyclable, reducing environmental impact and end-of-life costs.

Visit H2G's website for this product range, being (www.powersafebatteries.com.au) for more details.

2. **Turnkey Solar and Battery Solutions with Financing Options** To support our sodium-ion battery range, H2G now offers complete solar and battery turnkey solutions. We have relationships with Clean Energy Council (CEC)-registered installers and contractors to deliver seamless installations, complemented by tailored financing options provided by specialised third-party operators.

3. **Strategic MOU with Skeleton Technologies** H2G has signed a Memorandum of Understanding (MOU) with Skeleton Technologies, a European leader in high-power energy storage, to explore commercial opportunities in Australia's energy market. This relationship focuses on transitioning data centres and critical infrastructure away from lithium-ion batteries to Skeleton's proprietary *Curved Graphene-based Supercapacitors* and *SuperBattery* systems.

    - **Key Features**: These technologies offer unmatched power density, ultra-fast charging, and lifespans exceeding 1 million cycles with 10µs dynamic response times. They are fire-safe, operate at high temperatures (up to 50-60°C), and improve energy efficiency by up to 45%.

    - **Applications**: Ideal for data centres, critical infrastructure, and high-security installations, these solutions can transform backup power systems into profit centres by enabling up to 40% more FLOPS through peak load shaving.

    - **Market Traction**: H2G has already tendered over $2 million in data centre projects, with growing interest in this transformative technology.

4. **H2G LFP Battery Product** H2G has introduced a high-quality Lithium Iron Phosphate (LFP) battery to complement its sodium-ion offerings. Designed with safety as a priority, our LFP product uses A-grade, long-life cells, making it one of the safest LFP batteries available. It is CEC-registered, eligible for full consumer rebates, and available as part of our turnkey solar/battery solutions or as a standalone product which is on H2G's website for this product range, being (www.residentialbatteries.com.au).

Company Operational Performance

1. **Revenue, Backlog, and Pipeline.** Battery sales for both residential and industrial applications are gaining momentum. H2G has secured $250,000 of sales of Sodium Ion batteries over the past month. Revenue projections for the current financial year (January to December) will be updated in future reports.

2. **Telstra TDRIP Project.** The Telstra TDRIP project remains on budget and schedule, currently in the commissioning and testing phase. Completion is anticipated within the next four weeks, with a final payment of $288,000 (plus GST) expected upon delivery of the final report. The project's success positions H2G for future opportunities in operational trials.

3. **Future Opportunities**

    - **Sodium-Ion Batteries**: H2G is pursuing large-scale industrial opportunities, particularly for safety-critical applications such as petrol stations, bushfire-prone areas, eco-resorts, and properties prioritising low carbon footprints.

    - **Skeleton Technologies Partnership**: The introduction of Skeleton's supercapacitor and SuperBattery technologies to Australia coincides with the rapid growth of the data centre sector, driven by the AI revolution and increasing electrical energy demands. These solutions are also applicable to transport and defence sectors, offering significant growth potential.

Outlook

H2G are in discussion with large scale Industrial users for our Sodium-Ion Batteries, particularly where safety is the prime goal. Customers such as petrol stations, or those in bushfire prone areas, residences that are not occupied all year round, eco-resorts, eco-venues and consumers who wish to support a low carbon footprint are high priority.

The Skeleton Technology products are new in Australia however they are a Global provider of Transport, Defence and Data Centre Battery Technologies. Data Centres are a rapidly growing industry in Australia, particularly accelerated by the AI revolution and the energy requirements for powering these chips.

Greenhy2 is well-positioned to be a leader in Australia's transition to safer, more sustainable, and cost-effective energy storage solutions. Our diversified portfolio, strategic partnerships, and innovative product offerings underscore our commitment to driving decarbonization and enhancing energy resilience. We look forward to updating shareholders on further progress as we continue to execute our growth strategy.

ENDS

This announcement has been authorised for release by the Board of GreenHy2 Limited.

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ABOUT H2G

GreenHy2 Limited (ASX: H2G) is one of Australia's leading innovators in the delivery of engineering solutions for renewable energy. The company was established in 2011 and has specific expertise in Solid State Hydrogen Storage for use in fuel cells and as hydrogen gas. GreenHy2 is a clean energy company dedicated to reducing our collective carbon footprint.

Disclaimer: This announcement contains forward-looking statements. Actual results may differ materially due to various risks and uncertainties. Greenhy2 Limited does not undertake to update these statements unless required by law or regulation.