

Redflow releases its Gen3 battery

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Redflow releases its Gen3 battery with major technology advances

Redflow Limited (ASX: RFX) ('Redflow' or 'the Company') is delighted to announce that its new third generation 'Gen3' battery has commenced production in Thailand this week and is now ready for commercial sale. Initial orders for Redflow's Gen3 batteries have already been received with delivery targeted for August 2022.

The Gen3 battery represents a major advancement over the Company's Gen2.5 battery. The battery's new design incorporates several key innovations including a new stack design, updated electronics with increased functionality, and a new tank design and cooling system.

Commenting on the release of the Gen3 battery, Redflow COO Richard Aird said: "We have been working towards the release of Redflow's 3rd generation battery for several years with significant engineering design and testing invested in its development since 2018. The Gen3 design delivers significant manufacturing cost reductions while also improving performance through innovations in stack design. We have achieved this by applying substantial operational learnings from our Gen2.5 batteries that have delivered over 2 GWh of energy and exceeded 10 million hours of field operations since 2018."

"The Gen3 battery has been designed to increase the amount of automated manufacturing we can apply and sets the platform for fully automated production in the future," Mr Aird said.

Redflow's new Gen3 battery is being introduced as demand for non-lithium-based energy storage solutions surges globally. The new Gen3 battery will play an important role in supporting Redflow's expansion in the United States and Australia, and will be used to fulfil a range of MWh scale commercial opportunities that are in an advanced stage of negotiation.

Redflow CEO Tim Harris said: "The launch of our Gen3 battery is a monumental milestone in Redflow's growth strategy. The combination of our new Energy Pod products with the Gen3 battery provides the platform for Redflow to capitalise on the demand for large scale, medium to long duration energy storage systems that we're seeing emerge around the world. Importantly, the Gen3 battery enables Redflow to operate at a competitive price that will deliver further benefits as production scales. Our wholly owned manufacturing facility in Thailand can scale to up to 80 MWh of battery production per annum, supporting our immediate growth plans, and we look forward to delivering Gen3 batteries to our partners and customers in the coming months."

This announcement was authorised for release by the Chairman of the Board of Redflow Limited.

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About Redflow

Redflow Limited, a publicly-listed Australian company (ASX: RFX), produces zinc-bromine flow batteries that tolerate daily hard work in harsh conditions. Redflow batteries are designed for high cycle-rate, long time-base stationary energy storage applications and are scalable from small systems through to grid-scale deployments. Redflow's smart, self-protecting batteries offer unique advantages including secure remote management, 100 per cent daily depth of discharge, tolerance of high ambient temperatures, a simple recycling path, no propensity for thermal runaway and sustained energy delivery throughout their operating life.

For further information, please visit: www.redflow.com