

Redflow Q1 FY2024 Update Webinar

1 November 2023

Redflow at a glance



270+ active deployments



3.2 GWh total energy delivered to date



Over 6 GWh qualified sales pipeline



A\$23+m revenue

for announced projects over next 12- 18 months¹



500+ MWh ambition

manufacturing scale with capital efficiency



2,080 estimated tonnes of CO₂ offset



34 MWh

largest project announced²



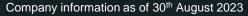
3x density

energy density vs other commercial flow batteries²



24 million

cumulative hours of field operations since 2018



- 1. Excludes impact of 34.4 MWh announced contract with Department of Energy and 1.2 MWh contract with Department of Defense
- 2. Updated to include contract with Department of Energy
- 3. Redflow analysis based on publicly available information and industry literature

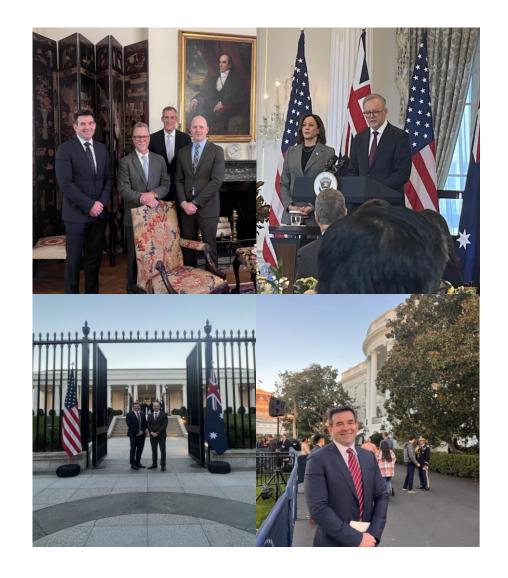


Building presence and visibility in critical US market



The third pillar — the new pillar of our alliance — a plan for both our nations to seize the transformative economic opportunities of clean energy and a plan to help every nation meet the global challenge of climate change

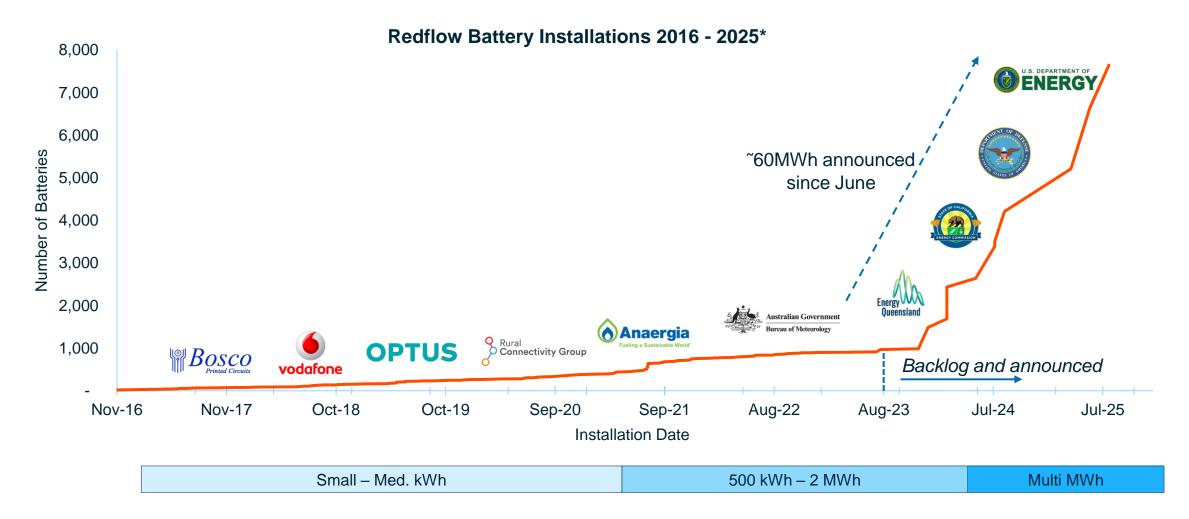
Remarks by Australian Prime Minister Anthony Albanese of Australia at Arrival Ceremony, 26 Oct 2023





Redflow has reached a critical inflection point

Focus on MWh-scale projects led to step-change in industry profile, scale and pipeline impact





US – recent project wins

60 MWh¹ of projects announced since June

 June-2023: 20 MWh solar & storage microgrid, funded by the CEC, providing power for the Paskenta Band of Nomlaki Indians.



+ September-2023: 1.2 MWh microgrid contract, providing storage at military installations for the Department of Defense through its LDES program



+ September-2023: 34.4 MWh resilient microgrid for children's hospital, backed by the Department of Energy and the California Energy Commission





redflow

"With emerging energy storage technologies such as those developed and deployed by Redflow ... we will be better positioned to expand and diversify California's energy storage portfolio." ²

Jonah Steinbuck, Director of the Energy Research and Development Division at the California Energy Commission



1. Company sources, not including other smaller projects 2.Bloomberg, *Redflow to supply transformative 20 MWh flow battery system for project in California*, 1 June 2023. Bold added for emphasis

Australia provides core projects base & multi-GWh market

Positioned to play a key role in the Queensland and broader Australian energy transition





"These new zinc-bromine battery projects are an important part of the transformation of Queensland's energy system to deliver clean, reliable and affordable energy to provide power for generations."

Minister for Energy, Renewables and Hydrogen and Minister for Public Works & Procurement, Mick De Brenni¹

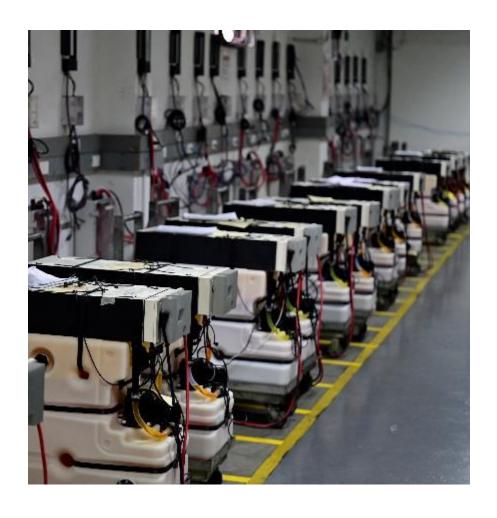
Partnering with Queensland Government

- 4 MWh project with Energy Queensland announced Aug 23
- Final contract negotiations in progress
- Supporting A\$62bn Energy & Jobs Plan, targeting 70% renewables by 2035
- Identified Queensland requirement for 22 GWh potential energy storage demand by 2035²



- Official government announcement. Link to Redflow project: https://statements.gld.gov.au/statements/98336 Bold added for emphasis
- 2. Queensland State Development, Battery industry opportunities for Queensland, 2022

Thailand production update



- + Full production of ZBM3s resumed August 2023. Current production levels circa 10 MWh p.a.
- Key supplier quality issues having temporary daily production yield impact – 10% High Density Polyethylene (HDPE). Injection moulding part will address this – Dec 2023
- Further refinements to ZBM3 design delivered over last quarter,
 incl. new tank, new separator
- Additional capacity and 2nd shift commencing in Q1 2024 circa
 40 MWh p.a.
- Ramp up EnergyPod manufacturing and assembly capabilities
- + Ramp up aligned with delivery schedule for key projects



Clear strategy

Will continue to deliver growth in FY24 and beyond



- + Solar shifting and energy arbitrage
- Medium to long duration focus –4+ hours
- + Industries and applications where safety paramount (e.g. mining)
- + Leverage hibernation attributes



- + Small C&I deployments <1 MWh
- Medium to larger C&I deployments
 Behind the Meter focus 2 20
 MWh
- + Leverage energy density
- Position for Grid scale opportunities20 MWh+



- US California and other markets with large LDES energy storage needs & drive for diversification
- Australian market also a core focus
- Pursue deals in other markets where opportunity is compelling



Our priorities remain clear

Priorities

Target Impact

Convert



Finalise contracting for key deals announced. Progress new opportunities

- + Finalise contract negotiations for key deals and secure notice to proceed
- + Continue to grow share in target markets as leading Lithium alternative for LDES in high momentum markets
- + Grow our pipeline, drive sales and increase revenue
- + Utilise industry partnerships and government relationships to accelerate sales momentum

Execute



Deliver on key projects in the US and Australia. Extend Thailand production capacity to ~80 MWh p.a. as order book increases. Secure required funding for growth.

- + Execute on key projects 20 MWh in California and 4 MWh with Energy Queensland
- Demonstrate larger system capabilities with reference systems and data including Levelised Cost of Storage (LCOS) impacts
- + Maximise Redflow Thailand for capital efficient scale for productivity & unit cost impacts
- Incorporate new design improvements for productivity, cost, quality and supplier diversification – ZBM3 battery and EnergyPod
- + Fund capital expenditure and working capital for expansion

Scale



Focus on strategic scale – projects, manufacturing and execution

- + Focus on ability to develop, win and execute against large utility scale projects and C+I customers
- + Meet market demands for local sourcing/manufacturing. Australia and US focus
- + Design, iterate and validate new target 500 MWh p.a. facility
- Engage with potential local and national government support in target markets for scale up (US, Australia)

Redflow summary

Growth strategy focused on multi-MWh projects is delivering results

Production outlook full for 2023 and into 2024

24+ MWh projects generating \$23m+ revenue for delivery (excl. DOE project)

MWh+ contracts reinforce
Redflow's industry leading
position — US CEC, DOD and DOE and
AU with EQL. Support from AUS and US
governments at state and federal level

At the forefront of AU/US

clean energy collaboration

Thailand facility

back into production and ready to scale

6+ GWh pipeline of qualified sales opportunities

Strengthened

balance sheet to execute and grow



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Redflow Head Office

Redflow Limited

27 Counihan Road, Seventeen Mile Rocks, Brisbane QLD 4073 Australia

Phone: + 61 7 3376 0008 **Fax**: + 61 7 3376 3751

Sales: sales@redflow.com
General: info@redflow.com
Media: marketing@redflow.com

redflow.com