

2026 Presentation – TechKnow Invest Roadshow Conference

Critical Resources Limited ('Critical Resources' or the 'Company', **ASX:CRR**) attaches the presentation to be delivered by the Company's Managing Director, Tim Wither, at the TechKnow Invest Roadshow in Melbourne on Monday, 27 July 2026 and in Sydney on Wednesday, 29 July 2026.

The TechKnow Invest Roadshow is an in-person investment conference for ASX-listed technology, biotechnology, medical technology and resources technology companies, attended by institutional investors, brokers and private investors.

CONFERENCE DETAILS

Melbourne: Monday, 27 July 2026 – Sofitel Melbourne on Collins

Sydney: Wednesday, 29 July 2026 – Swissôtel Sydney

This announcement has been approved for release by the Board of Directors of Critical Resources.

To receive alerts for ASX announcements and updates, sign up at www.criticalresources.com.au or for further information please contact us directly at:

E: info@criticalresources.com.au

P: +61 (8) 9465 1024

ABOUT CRITICAL RESOURCES LIMITED

Critical Resources Limited (ASX:CRR) is an Australian mining and technology company focused on the discovery and development of critical metals and next generation technologies essential to a sustainable future. The Company holds a diversified portfolio including the Mavis Lake Lithium Project in Ontario, Canada, the Halls Peak Base Metals Project in New South Wales, and a growing gold portfolio in New Zealand.



SCAN ME

Critical Resources' Interactive Investor Hub

Engage with Critical Resources directly by asking questions, watching video summaries and seeing what other shareholders have to say about this, as well as past announcements.

For more information visit: www.criticalresources.com.au

Techknow Conference Presentation

Lithium | Gold | Tungsten | Battery and Thermal Technologies

July 2026



ASX:CRR

Important Notices and Disclaimer



Critical Resources Limited

Summary Information This document contains a summary of information about Critical Resources Limited ("Critical Resources" or "the Company") and its activities that is current as at the date of this document unless otherwise stated. The information in this document is general in nature and does not contain all the information which a prospective investor may require in evaluating a possible investment in Critical Resources or that would be required in a prospectus or a product disclosure statement prepared in accordance with the Corporations Act 2001 or the securities laws of any other jurisdiction. The information in this document should be read in conjunction with the Company's other periodic and continuous disclosure announcements lodged with the ASX.

No Liability. The information contained in this document has been prepared in good faith by the Company however no guarantee, representation or warranty expressed or implied is or will be made by any person (including the Company and its affiliates and their directors, officers, employees, associates, advisers and agents) as to the accuracy, reliability, correctness, completeness or adequacy of any statements, estimates, options, conclusions or other information contained in this document. No person other than the Company is responsible for the preparation of this document. To the maximum extent permitted by law, the Company and its affiliates and their directors, officers, employees, associates, advisers and agents each expressly disclaims any and all liability, including, without limitation, any liability arising out of fault or negligence, for any loss arising from the use of or reliance on information contained in this document including representations or warranties or in relation to the accuracy or completeness of the information, statements, opinions, forecasts, reports or other matters, express or implied, contained in, arising out of or derived from, or for omissions from, this document including, without limitation, any financial information, any estimates, forecasts, or projections and any other financial information derived therefrom. Statements in this document are made only as of the date of this document unless otherwise stated and the information in this document remains subject to change without notice. **No responsibility or liability is assumed by the Company or any of its affiliates (or their directors, officers, employees, associates, advisers and agents) for updating any information in this document or to inform any recipient of any new or more accurate information or any errors or misdescriptions of which the Company and any of its affiliates or advisers may become aware.**

Forward-Looking Statements. Statements contained in this document, including but not limited to those regarding the possible or assumed future costs, projected timeframes, performance, dividends, returns, revenue, exchange rates, potential growth of Critical Resources, industry growth, commodity or price forecasts, or other projections and any estimated company earnings are or may be forward-looking statements. Forward-looking statements can generally be identified by the use of words such as 'project', 'foresee', 'plan', 'expect', 'aim', 'anticipate', 'believe', 'estimate', 'may', 'should', or similar expressions. Forward-looking statements, including all statements in this presentation regarding the outcomes of preliminary and definitive feasibility studies, projections, guidance on future earnings and estimates, are provided as a general guide only and should not be relied upon as an indication or guarantee of future performance. These statements relate to future events and expectations and, as such, involve known and unknown risks and significant uncertainties, many of which are outside the control of the Company. Actual results, performance, actions and developments of the Company may differ materially from those expressed or implied by the forward-looking statements in this document. Such forward-looking statements speak only as of the date of this document. There can be no assurance that actual

outcomes will not differ materially from these statements. To the maximum extent permitted by law, the Company and any of its affiliates and their directors, officers, employees, agents, associates and advisers disclaim any obligations or undertaking to release any updates or revisions to the information in this document to reflect any change in expectations or assumptions do not make any representation or warranty, express or implied, as to the accuracy, reliability or completeness of the information in this document, or likelihood of fulfilment of any forward-looking statement or any event or results expressed or implied in any forward-looking statement and disclaim all responsibility and liability for these forward-looking statements (without limitation, liability for negligence). Nothing in this document will under any circumstances create an implication that there has been no change in the affairs of the Company since the date of this document.

Not Financial Product Advice. This document does not constitute financial product advice or take into account your investment objectives, taxation situation, financial situation or needs. This document consists purely of factual information and does not involve or imply a recommendation of a statement of opinion in respect of whether to buy, sell or hold a financial product. An investment in the Company is considered to be speculative in nature and is subject to known and unknown risks, some of which are beyond the control of the Company. Before making any investment decision in connection with any acquisition of securities, investors should consult their own legal, tax and/or financial advisers in relation to the information in, and action taken on the basis of this document.

Financial data. All amounts are in Australian Dollars (AUD) unless otherwise indicated. A number of figures, amounts, percentages, estimates, calculations of values and fractions in this presentation are subject to the effect of rounding. Accordingly, the actual calculation of these figures may differ from the figures set out in this presentation.

JORC Code. It is a requirement of the ASX Listing Rules that the reporting of exploration results, ore reserves and mineral resources in Australia comply with the Joint Ore Reserves Committee's Australasian Code for Reporting of Mineral Resources and Ore Reserves ("JORC Code"). Investors outside Australia should note that while reporting in this document complies with the JORC Code, they may not comply with the relevant guidelines in other countries. Information contained in this document describing mineral deposits may not be comparable to similar information made public by companies subject to the reporting and disclosure requirements of Canadian or US securities laws.

Acceptance By attending a presentation or briefing, or accepting, accessing or reviewing this document, you acknowledge, accept and agree to the matters set out above.

Authorisation. This document has been authorised for release by the Company's Board of Directors.

Refer to the Company's ASX Announcements for JORC Table 1 and Table 2 for results and information contained in this presentation.



ASX:CRR



Overview of Critical Resources

Development of critical minerals and next generation technologies essential for a sustainable future.



**Critical
Resources
Limited**

- **Multi-commodity exposure** - across Tier-1 geology and jurisdictions: Australia, Canada and New Zealand.
- **North American lithium resource** – Mavis Lake, Ontario Canada.
- **High-impact gold / tungsten portfolio** in the Otago and Reefton regions, New Zealand.
- **Solid-state lithium-ion battery and thermal management technologies** – enhancing optionality across partnerships and commercial pathways.
- **Aligned, experienced leadership** with ~11.7 % ownership.

Capital Structure
ASX:CRR

\$22.36M

Market Cap (A\$)

\$0.007

Share Price – 24 July 2026

~49%

Top 20 Holders



ASX:CRR



The New Zealand Opportunity

Diverse gold-tungsten-antimony portfolio in Tier-1 jurisdiction

- **Outstanding exploration potential** across a large-scale gold-tungsten-antimony portfolio Otago and Reefton regions.
- **Significant scale opportunity:** OceanaGold's +10 Moz Macraes operation¹. 'Power of distribution law' potential with multiple +1 Moz deposits yet to be discovered within the Otago region.
- Breakthrough discovery at Santana Minerals (ASX:SMI) Rise & Shine gold deposit has **renewed the exploration strategy and materially upgraded regional targeting models.**
- **In-Country Support** - New Zealand-based geological group, with links to the discovery and resource growth of the Rise and Shine deposit.
- **Extensive landholding:** ~1,700 km² package covers the underexplored gold belts of Otago and Reefton. Low-holding costs.
- **Tier-1 jurisdiction:** Ranked 12th in the 2025 Fraser Institute Investment Attractiveness Index, with New Zealand's 'Fast Track' permitting processes.

1. Based on OceanaGold Corporation - NI 43-101 Technical Report, Macraes Gold Mine, Otago, New Zealand - March 28, 2024





New Zealand Projects

Diverse gold-antimony portfolio to create momentum

Cap Burn

Otago Region

- **Advanced gold project** ~11 km from OceanaGold's Macraes operation.
- First-pass RC drilling completed. Confirmed orogenic gold system.
- Structurally analogous to Santana Minerals Rise and Shine - untested at depth.

Croesus

Reefton Goldfields

- Two systems - High-grade gold up to **28.9 g/t Au** and tungsten-rich greisen systems up to **42.6% WO₃**.
- Multiple untested gold/antimony structural targets across a 5 km mineralised corridor.

Lammerlaw

Otago Region

- Located on major structural (TZ3/TZ4) boundary. Three priority targets.
- Analogous to Macraes gold system with **mapped gold and tungsten trends**.

Tokomairiro

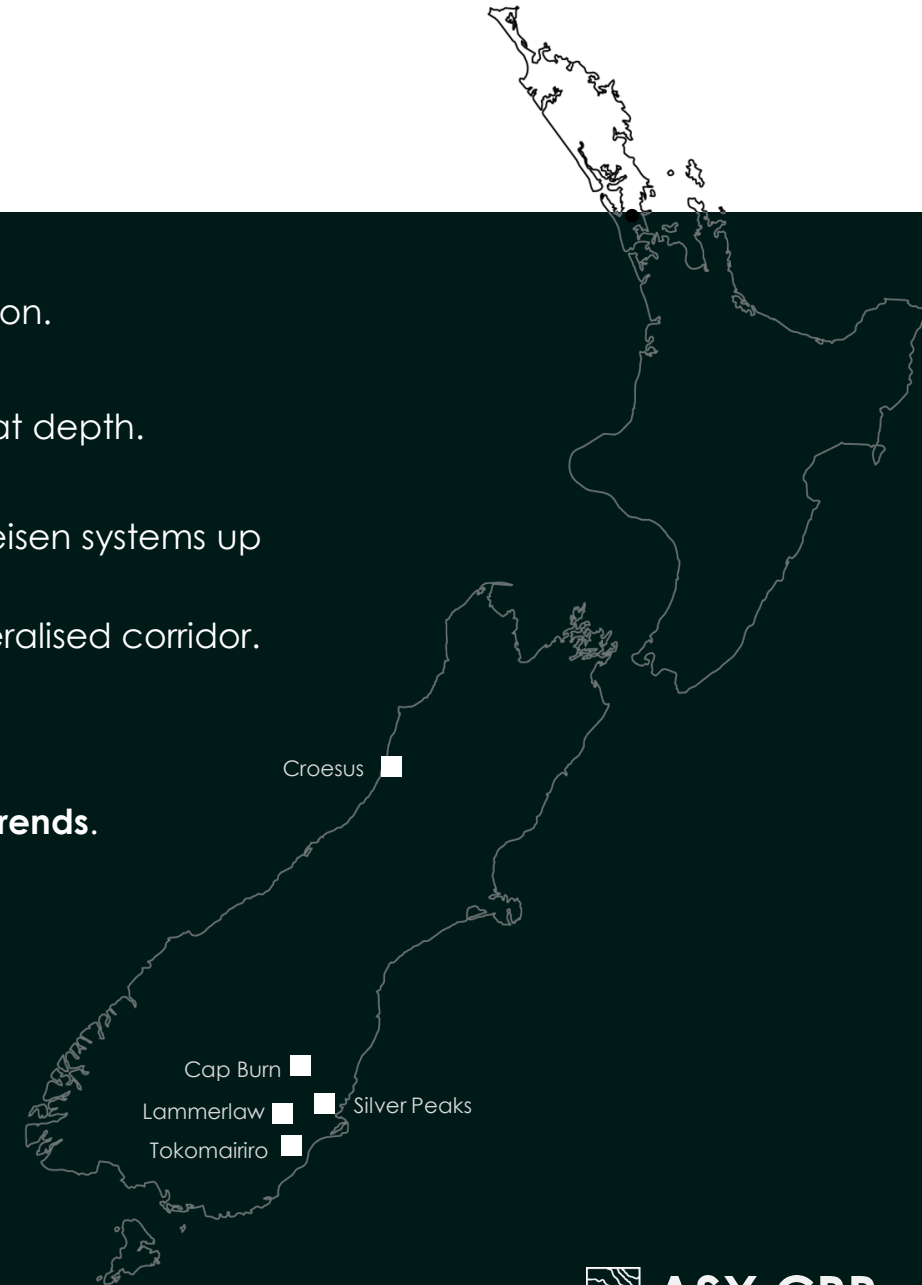
Otago Region

- Historical goldfield - **high-grade rock chip samples up to 135 g/t Au**.
- Multiple reef systems along a broader mineralised trend.

Silver Peaks

Otago Region

- Large-scale prospect near Macraes, historic Au-Sb structures.
- Underexplored with district-scale potential.



ASX:CRR



Cap Burn Gold Project - NZ

First-pass RC drill program defines orogenic gold system



**Critical
Resources
Limited**

- Located on a **major NW–SE shear corridor**, ~11km from OceanaGold's Macraes +10 Moz Au operations.
- **Multiple historic alluvial gold workings** along strike, highlight prospectivity of the area.
- **Structural model leverages Santana Minerals' Rise and Shine** discovery in 2021¹.
- **Underexplored** - Legacy drilling targeted a large arsenic-in-soil anomaly in TZ4 schist unit.
- **Multiple drill targets ~10km of strike** potential.
- **First-pass RC drill program defines orogenic gold system within the TZ4 schist** beneath the Cap Burn Fault.²
- **Follow-up drill planned for Q3 2026.**



1. ASX:CRR announcement 6 August 2025
2. ASX:CRR announcement 25 March 2026



ASX:CRR



Cap Burn – Rise & Shine Analogue - NZ

New structural model leverages Santana Minerals' Rise and Shine discovery



**Critical
Resources
Limited**

Breakthrough factors.

Santana Minerals' Rise and Shine discovery came from a renewed structural model, stepping **down plunge from surface arsenic-in-soil anomalies and Broad disseminated gold within TZ4 mineralisation**.

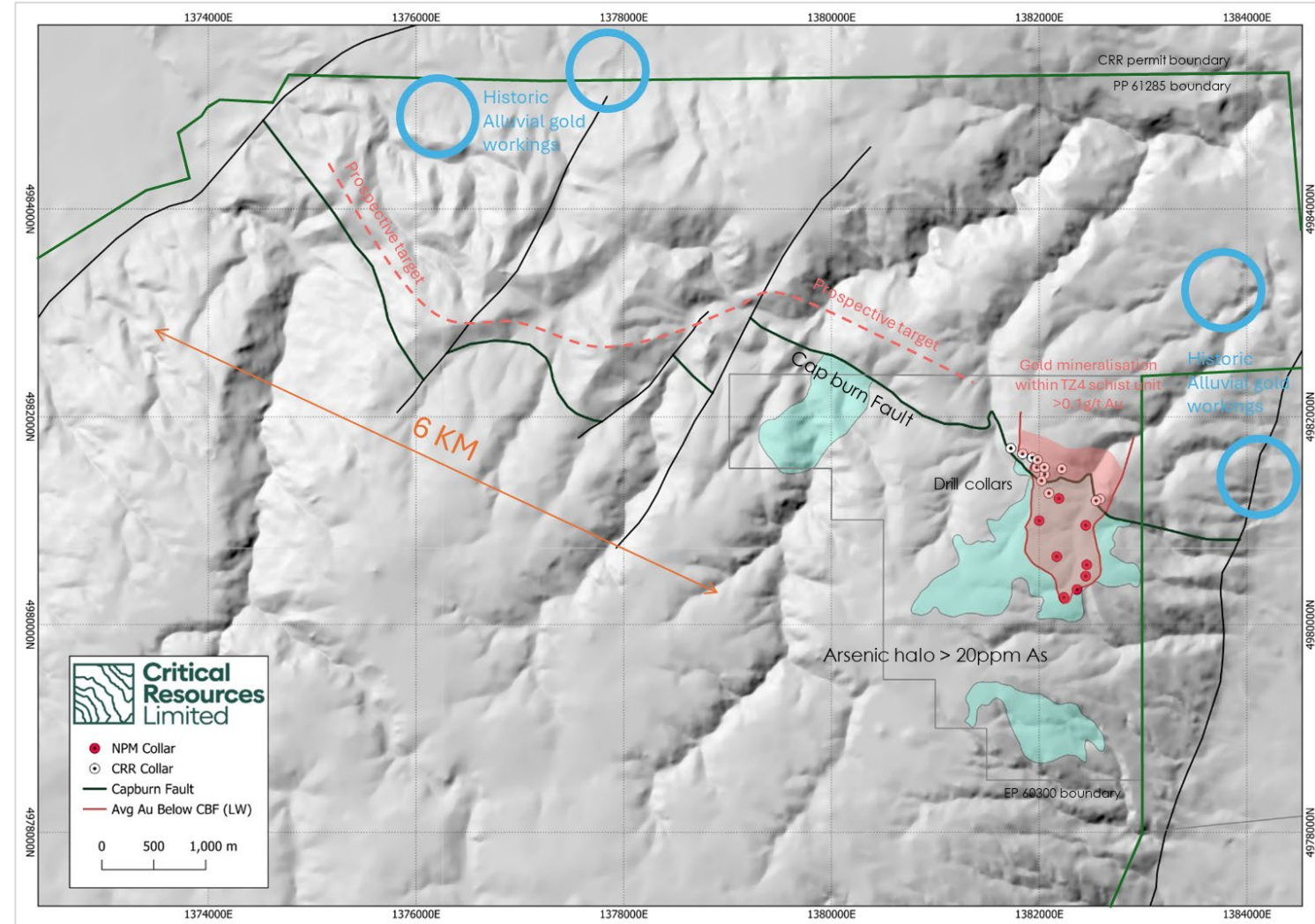
Persistence Pays.

Rise and Shine was discovered (MDD007) in the third exploration phase¹. Committed to drilling through barren cover (TZ3 unit).

Untapped Potential.

Macraes +10 Moz endowment suggests multiple +1 Moz deposits; only Rise and Shine has been discovered. 'Power of distribution law'.

Why it Matters. Cap Burn presents the same pre-discovery signature within the same belt at a comparable structural position to Rise & Shine. The down-plunge target is primary follow-up drill target + soil geochemistry survey.



ASX:CRR

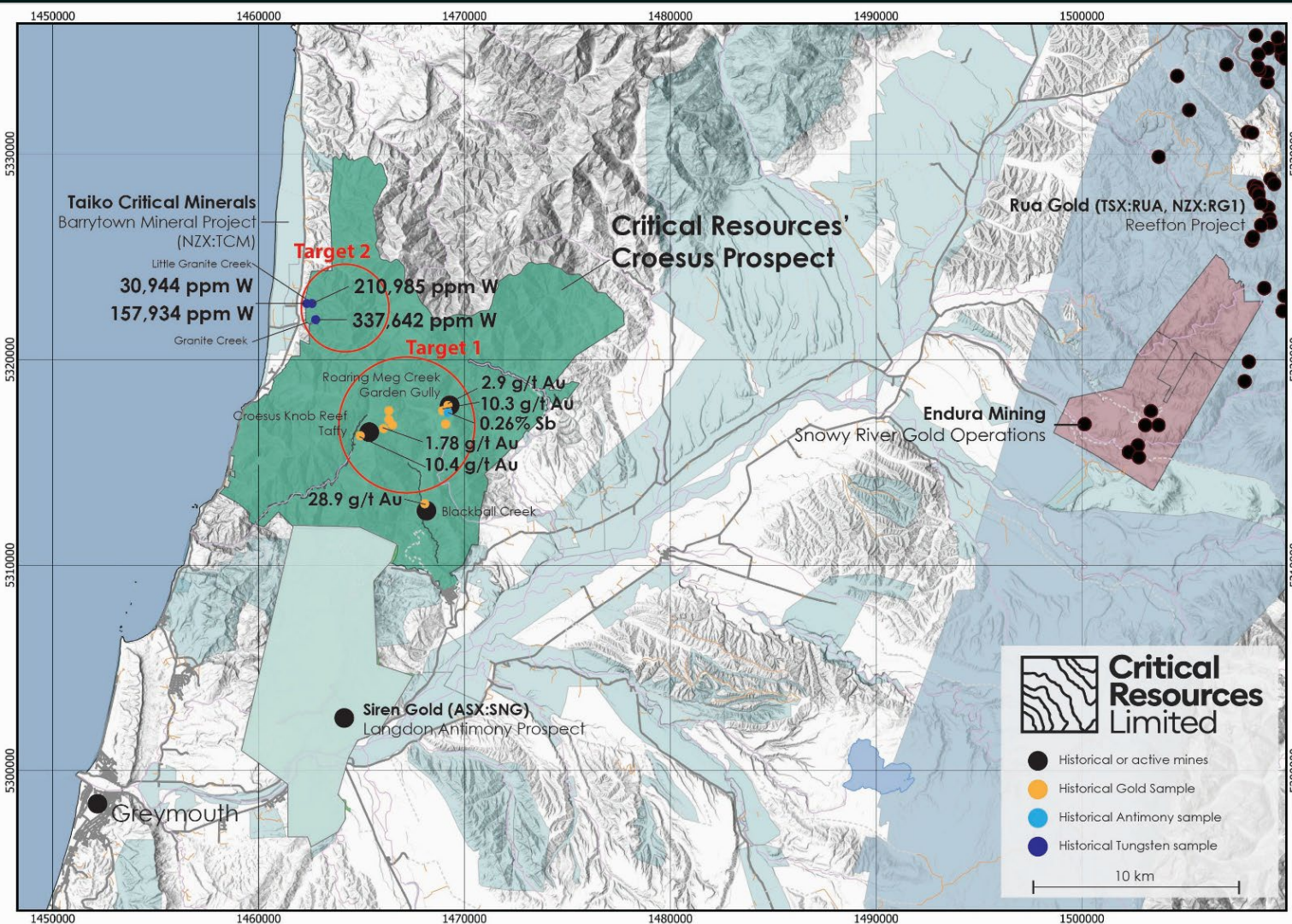


Croesus – Reefton Region - NZ

Multi-commodity - High Impact Exploration Target



**Critical
Resources
Limited**



- **Early exploration** with priority gold and tungsten targets.
- **Modern mining resurgence** with Endura Mining - Snowy River operations, Rua Gold (TSX-V: RUA) and Siren Gold (ASX:SNG).
- **Proven potential with several historic gold and antimony mines** within the permit area:
 - Croesus Reef / Taffy
 - Minerva / Garden Gully
- Standout high-grade confirmed with rock chip samples up to **28.9 g/t Au**, boulder sample **42.6% WO₃** and 0.4m channel sample up to **16.6 % WO₃**.¹
- Long history of mining with **established infrastructure and strong community support**.
- **Follow-up fieldwork** expected in late 2026.

¹ ASX:CRR announcement 8 April 2026, 23 June 2026

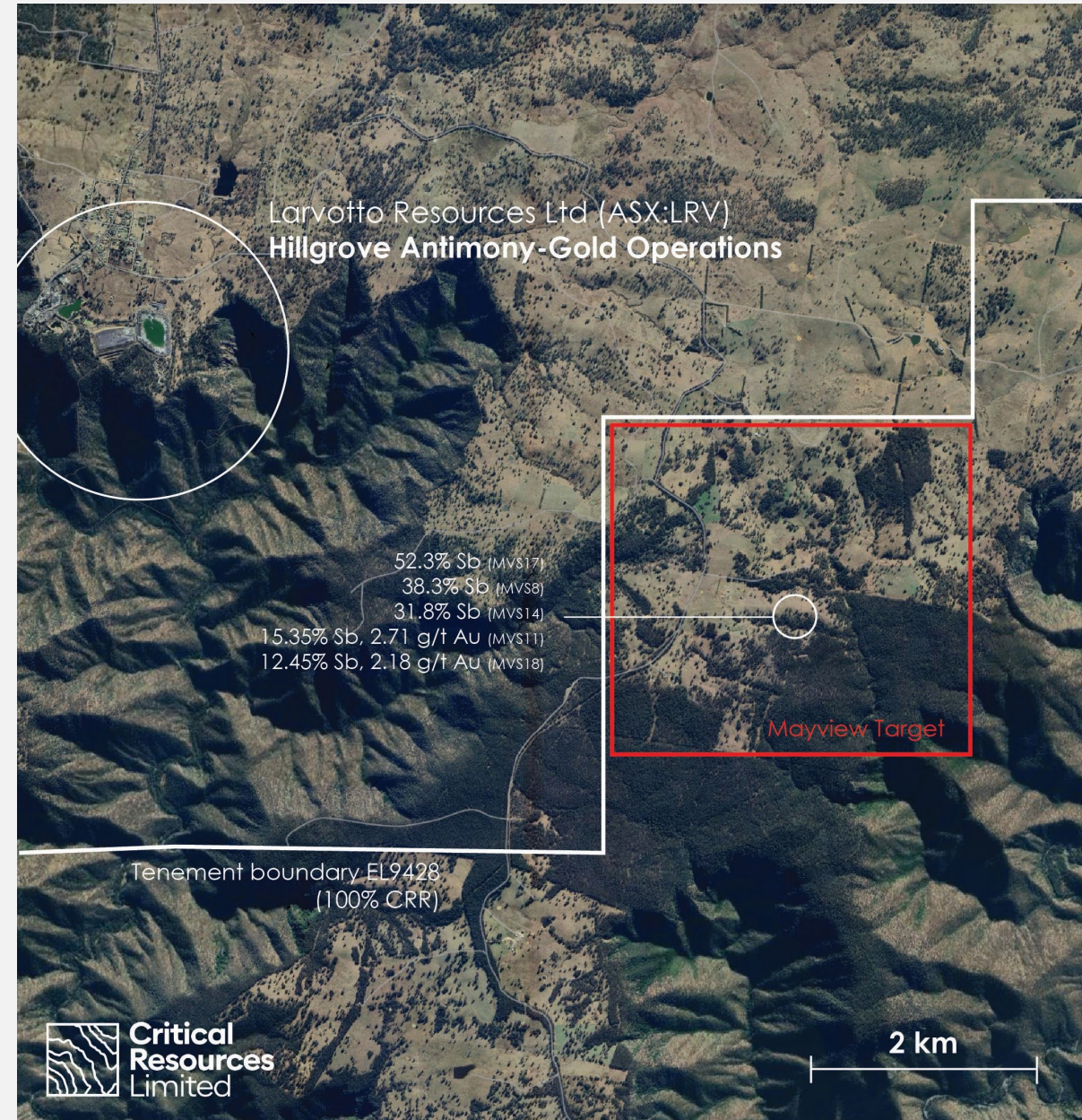


Halls Peak Project - NSW

Multi-commodity precious and critical minerals pipeline

- Large landholding in the New England Fold Belt, Armidale -NSW.
- Three advanced prospects - **Amoco** (Au-Sb), **Mayview** (Au-Sb) and **Gibsons** (Zn-Pb-Cu-Ag).
- **Strategic position** – Mayview adjacent to Hillgrove Operations - Larvotto Resources (ASX:LRV). Amoco ~14 km E of Koonenberry Gold's (ASX:KNB) Enmore Project, on the same regional structural trends.
- Established **base metal resource at Gibsons** - 0.84 Mt @ 3.7% Zn, 1.5% Pb, 0.44% Cu, 30 g/t Ag, 0.1 g/t Au (Inferred, 2% Zn cut-off)¹.
- Exceptional high-grade silver at Gibson project - up to nine silver-bearing lodes including **1.15 m @ 3,780 g/t Ag** (DDHA6) and **1.6 m @ 1,900 g/t Ag** (PMR027)².
- Amoco - confirmed orogenic gold-antimony system with high-grade surface samples - **17.9 g/t Au, 0.7 % Sb and 53.2 g/t Ag**.³
- Land-access progressing at Mayview soil-geochemistry survey planned over mapped historical workings with **high grade antimony up to 52.3% Sb**.⁴

1. ASX:CRR announcements 30 June 2023 (Halls Peak MRE),
2. ASX:CRR announcement 9 February 2026 (Halls Peak update),
3. ASX:CRR announcement 18 September 2025 (Amoco maiden drilling),
4. ASX:CRR announcement 16 December 2024 (Mayview rock chip results)





Mavis Lake Lithium - Ontario Canada

Strategically located to support the North American lithium supply chain.



**Critical
Resources
Limited**

- Maiden MRE - **8Mt @ 1.07 % Li_2O** ¹ covering Mavis Lake Main Zone.
- **+57,000m drilling completed**. Updated resource model being developed.
- Exploration Target of **26 - 37 million tonnes at 0.8 - 1.17% Li_2O** ². Northern Prospects potentially unlock resource growth and development optionality beyond the Mavis Lake Main Zone.
- Standout intercepts - **74.4m @ 1.18 % Li_2O , incl. 32.9m @ 1.81 % Li_2O** (MF23-207) outside current MRE.
- Metallurgical recoveries up to 87%³, with significant potential to improve process flowsheet.
- **Infrastructure Advantage** - immediate access to highway, rail, clean hydro-power, international port providing a low-cost development pathway.
- **Permitting & Regulatory Acceleration**: Engagement of SLR Consulting and Pathway Group to execute an integrated permitting and government advocacy strategy.



Mavis Lake – Main Zone – looking northeast.

1. ASX:CRR announcement - Maiden Mineral Resource at Mavis Lake - 5 May 2023

2. ASX:CRR announcement - Mavis Lake Exploration Target Highlights Potential for Large-Scale Lithium Project in North-West Ontario - 22 May 2024

3. ASX:CRR announcement - Excellent Results from Metallurgical Test Work - 3 April 2023



ASX:CRR



**Critical
Resources
Limited**

The future runs hot. Cooling is Critical.

From critical mineral resources to breakthrough battery chemistry and advanced thermal management — engineered for the AI era.

ENERGY DENSITY · CELL

COMPUTE DENSITY · RACK

ASX:CRR

Demand is where conventional technologies can't follow.

~20×

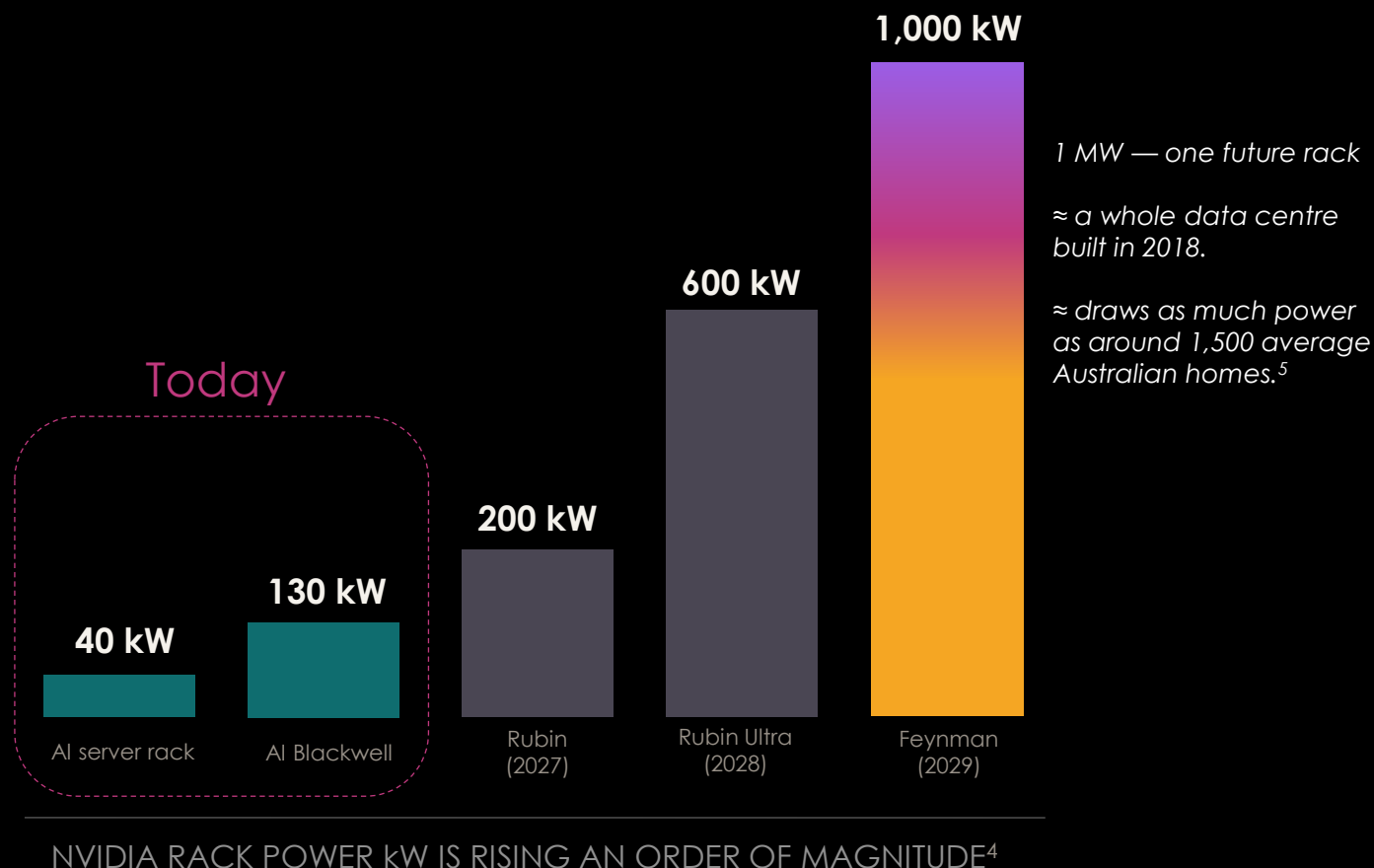
solid-state battery market growth to 2034 · >35% CAGR¹

~5 TWh

global battery demand by 2030 — ~5× 2024²

~945 TWh

global data-centre power demand — ~2× by 2030³



1. Solid-state market growth: GM Insights, *Solid State Battery Market*, 2025. 2. Battery demand: McKinsey, *Battery 2030: Resilient, sustainable and circular*, 2023. 3. Data-centre power: IEA, *Energy and AI*, April 2025. 4. NVIDIA Technical Blog, "NVIDIA Vera Rubin POD: Seven Chips, Five Rack-Scale Systems, One AI Supercomputer". 5. Household equivalent based on 1 MW continuous load and AER average household consumption (~5,600 kWh/yr).

The bottleneck is not the model. It's the infrastructure.

Data-center infrastructure spend is expected to reach US\$7 trillion by 2030.¹

Every watt that goes into a data centre comes back out as heat, nothing else leaves — except light down a fibre.

~30%

of data-centre energy costs is spent
on cooling.²

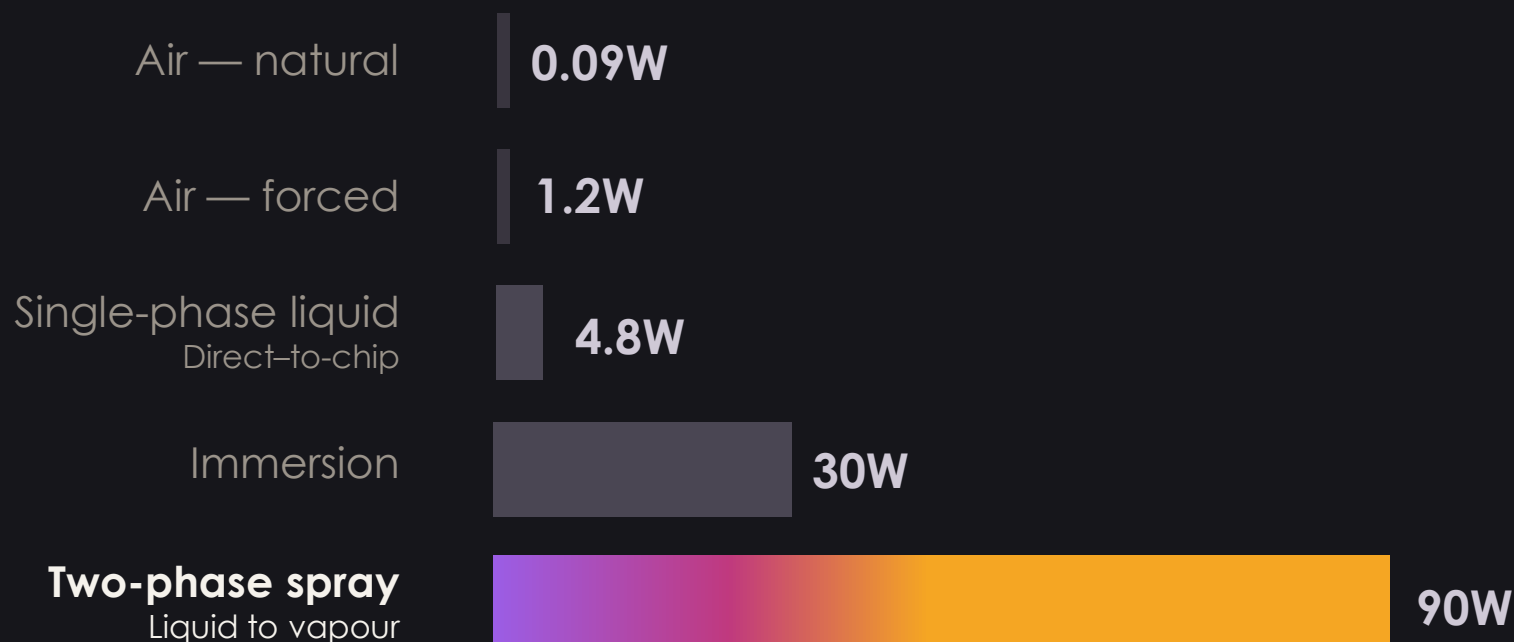
25.5 ML

of water evaporated a year by a
1 MW site for cooling.³

The physics **sets the ceiling**.

Every kW used is converted to heat that needs to be removed for the chips to operate.

Heat removed per unit area, by cooling method¹



1. W/cm² at $\Delta T = 30^{\circ}\text{C}$, derived from published heat-transfer coefficients; bars order-of-magnitude scaled. Refer ASX:CRR 20 July 2026

~1,000×

more heat removed than natural convection.

~20×

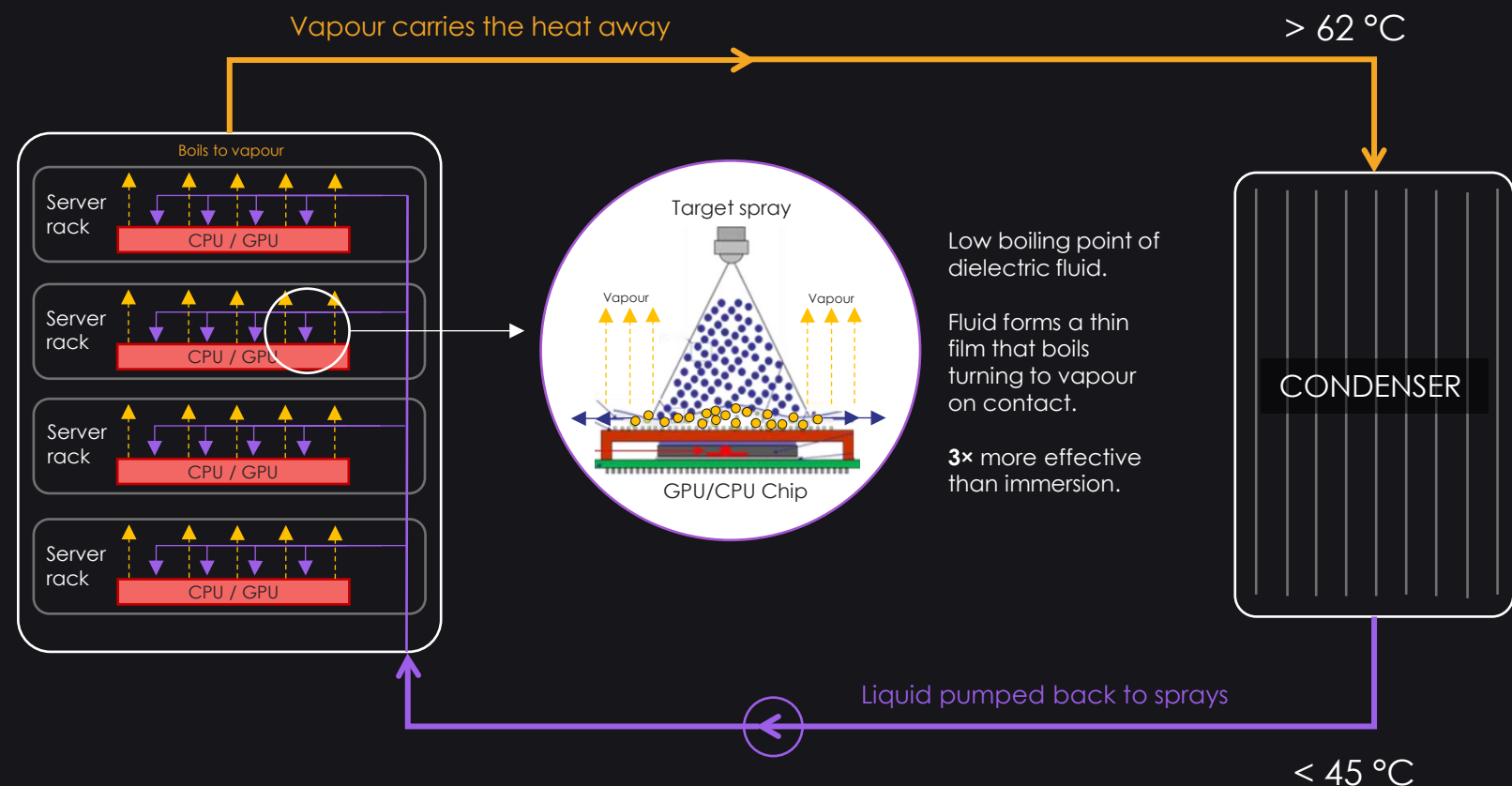
more heat removed than the single-phase direct-to-chip cooling used in next-generation racks.

Critical Resources has secured a **10-year exclusive global Licence** for two-phase spray technologies

Two-phase spray cooling.

Faster, more efficient cooling for the next generation of computer chips.

SCHEMATIC · CHILLER-FREE TWO-PHASE LOOP



US Patent 11,399,449 B2 (2022). Peer-reviewed: Applied Energy 305 (2022); Energy 269 (2023). Refer ASX:CRR 30 April 2026.
Condenser in-take / out-take fluid temperatures vary due to system pressures.

Validated lab metrics, peer-reviewed at lab scale.

25.8%

Reduction in total data-centre energy. No chiller.

Nil

Water evaporated. Fully closed loop.

55 °C

Uniform junction temperature across chip. Allows chips to run at full speed.

Chip power is concentrating into smaller areas, beyond the limits of direct-to-chip and immersion.

Two-phase is the answer to this flux challenge.

The advantage isn't only thermal. It's the infrastructure you no longer build.

Developed and lab proven in Singapore's tropics — designed for **hot, humid, high-ambient sites**.

25.8%

less total site energy measured at lab scale.

Power Usage Effectiveness (PUE) **1.25 vs 1.69** measured against tropical air cooling.

~35%

MORE COMPUTE PER GRID CONNECTION.

NO CHILLERS REQUIRED	~30 °C coolant rejected straight to a dry cooling tower.
HIGHEST HEAT FLUX	~90 W/cm ² at the chip — around 20× single-phase direct-to-chip.
NO AIR HANDLING	Two-phase system removes all rack heat — direct-to-chip leaves 10–30% to be air cooled.
NO EVAPORATIVE WATER	Closed loop dry-cooling tower — about 25 ML a year avoided per MW.

Cooling-energy and compute-capacity figures derived from Table 1, Applied Energy 305 (2022); compute capacity assumes a fixed site power envelope. Power Usage Effectiveness (PUE) 1.25 vs 1.69 reported in Energy 269 (2023). Heat flux derived from published heat-transfer coefficients at $\Delta T = 30\text{ °C}$ — a capability of the mechanism, not a rack-scale CRR result. Direct-to-chip and rack-power figures are industry references.

We licensed the technology.

Backed by leading cooling experts.

Exclusive worldwide rights — with the inventor team engaged through commercial development.



Left to right: patent inventor and NTU Associate Professor Wong Teck Neng; data centre cooling specialist Eric Martinez Gurrea; CRR Managing Director Tim Wither; patent inventor and NTU Assistant Professor Ho Jin Yao; and Capgemini - Industrial Designer David Mansueto.

Ownership

Exclusive worldwide commercial licence executed with Singapore Nanyang Technological University (NTU) – NTUitive Pte Ltd — 10-year term.

Capability

Eric Martinez Gurrea engaged as Technical Adviser — 14+ years thermal engineering, in AI and High-Powered Compute (HPC) data centres. Product owner of Submer's flagship immersion line.

NTU support

Patent inventors engaged to work alongside CRR through the commercial development program.

Exclusive worldwide licence - Four technology disclosures including one granted US patent.

Staged pathway to Deployment.

Gate 1 · Q4 2026

Modular Prototype

~25 kW Single module
Design and lab test.

GATE 2

Scale Up

Integrate modules into rack.
Independently test.

GATE 3

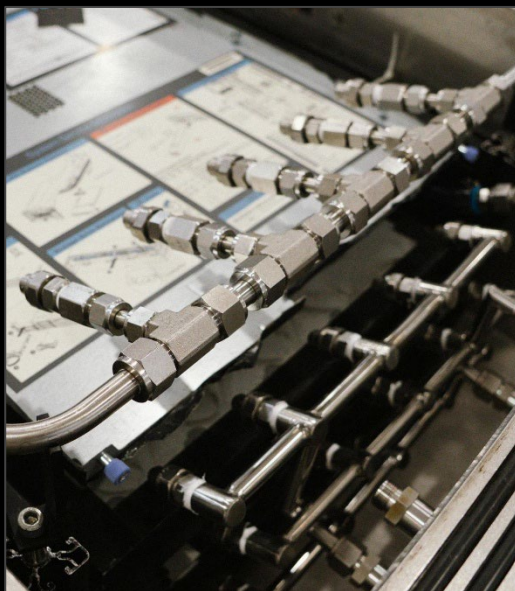
Integration

Modular multi-server unit.

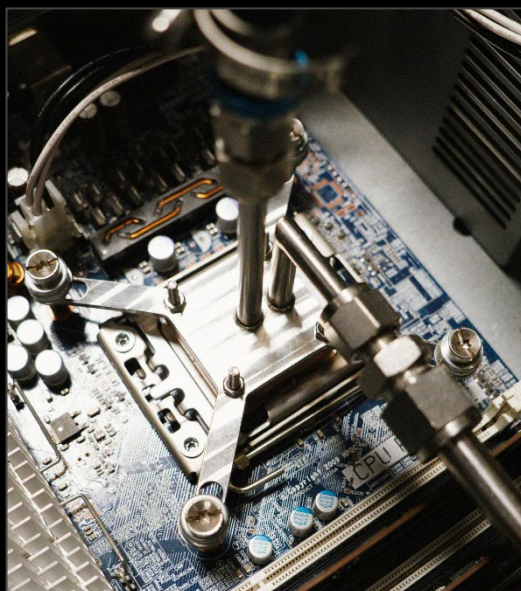
GATE 4

Deployment

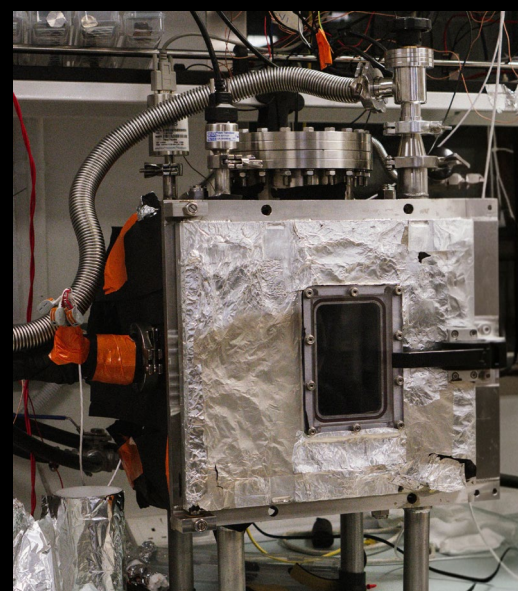
Modular Data center.



Jet arrangement in lab-scale test-unit.



Jet Impingement test-unit.



High-performance condenser test rig.



Lab-scale ~9 kW server rack chamber assembly.

One physical limit.

Two fronts.

Heat limits how much compute a rack can run.

Heat limits the performance of a battery cell.

CRITICAL IS RAISING THE CEILING ON BOTH FRONTS.

Solid-state is where everything's going.

We're building for it now.

Safer

Non-flammable solid electrolyte.
No thermal runaway.

Tougher

Stable across a far wider temperature range.

Denser

Lithium-metal compatible. The enabler for step-change density.

Longer

Extended cycle life under load.

Faster

Higher charge and faster discharge.

THE PRIZE — ENERGY DENSITY

up to ~2×

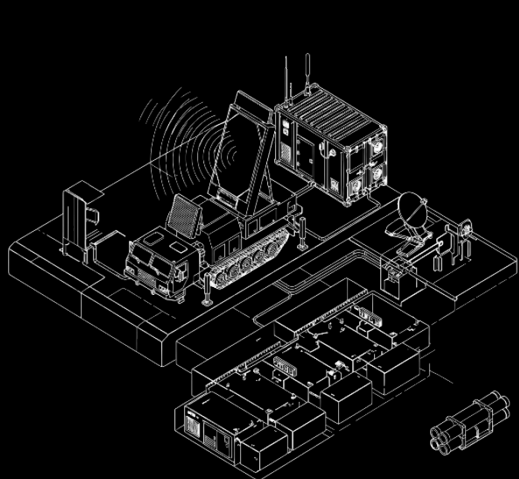
the energy density of today's lithium-ion batteries.

Proven in the lab. Manufacturing at scale is the challenge.

- Material performance has been solved.
- Fast sulphide electrolytes are toxic and difficult to manufacture.
- Wet processing won't scale economically.
- Supply chain risk major bottleneck.

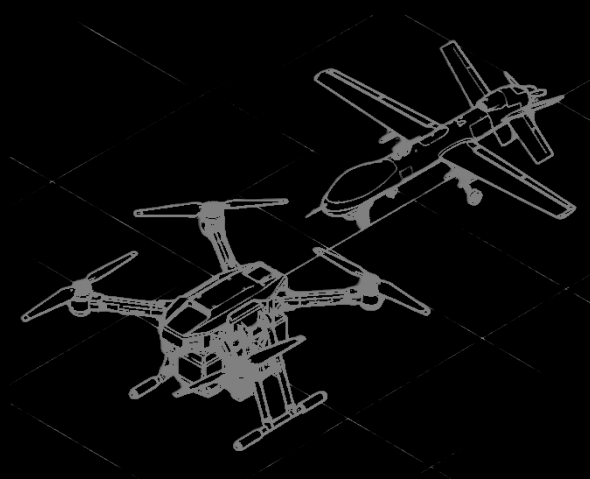
Energy-density figure is a solid-state / lithium-metal category target, not a measured CRR cell result.

The hardest places to put a battery.



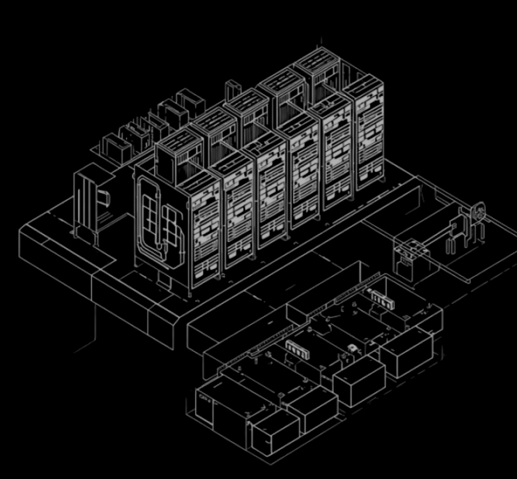
Defence

Heat, vibration, reliability and sovereignty supply chains.



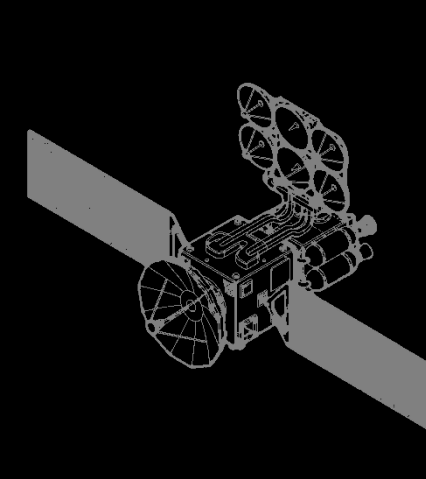
Aerospace / UAV

Every gram of weight counts for operational performance.



Data-centres

Heat-stable at high temperatures, reliability.



Space / satellites

Vacuum – no ability to cool, radiation / extreme temperature range.

Heat limits performance. Each application defined by reliability, safety and weight.

Accessing world-class researchers and faculties.

Capital-efficient ecosystem built for advanced battery development.

Dr Smirnova - CRR Technical Advisor 30+ years in batteries research. Began her battery research at NASA Glenn, Ohio (NASA-funded) **Director of the NSF-backed CEPS** and Professor at South Dakota Mines — inventor & holder of several solid-state patents.

Centre for Solid-State Electric Power Storage (CEPS) is a US research centre at South Dakota Mines developing solid-state energy storage with industry, government and the national laboratories, for defence, automotive, grid and medical applications.

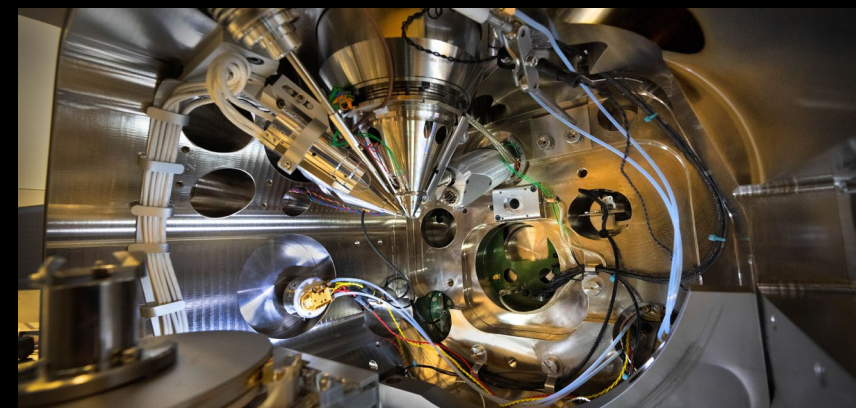
UNIVERSITY BACKED RESEARCH CENTRE



CEPS INDUSTRY MEMBERS THAT CRR DEVELOPS ALONGSIDE



+ C4V, Arbin, VRC Metals System, East Penn International, Black Hills Energy, & Quintus



Inside of Thermo-Fisher DualBeam Scanning Electron Microscope (SEM) and Focused Ion Beam (FIB) instrument for material characterisation.



Robotic controlled 3D cold-spray units



80-channel coin-cell tester

We didn't optimise the old process. We deleted it.

The two failure points of solid-state (SS) — chemistry and manufacturing — plus the application target, each gated on measured evidence.

ASE

Room Temperature SS Electrolyte

Amorphous, **sulphur-free solid-state** electrolyte.

3.2 mS/cm competitive with leading electrolytes

1,200 hrs of interface stability

0.27 eV low activation

GATE



Lab-validated – (ASX:CRR 28 May 2026)

DSD

MANUFACTURING ADVANTAGE

Dry supersonic deposition in one dry pass.
No solvent, oven or binder.

3D Printing - Form-flexible

Ability to print a cell to conform to any shape, not to a standard format.

GATE



Lab-validated - (ASX:CRR 5 Mar / 16 Jun 2026)

HTE

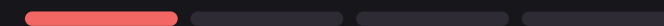
High-Temperature SS Electrolyte

Sulphur-free solid-state electrolyte —
optimised to perform beyond 60°C,
where lithium-ion destabilises.

Beyond 60°C

Non-flammable and stable where lithium-ion runs
away — the bridge to data-center thermal loads.

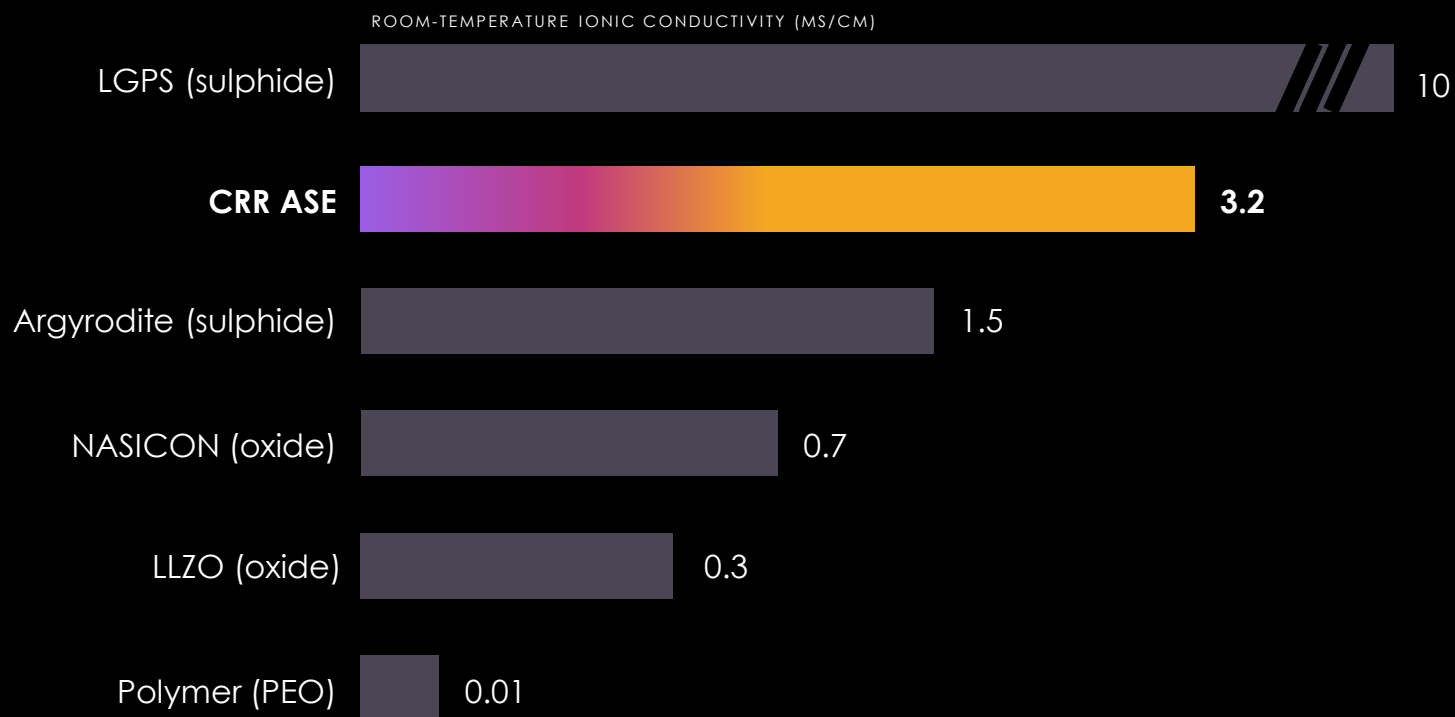
GATE



Lab-validated - (ASX:CRR 18 November 2025)

Sulphide-class performance.

Without the sulphur.



The real edge: manufacturability

Sulphur-based electrolytes are fast but are toxic and costly to make.

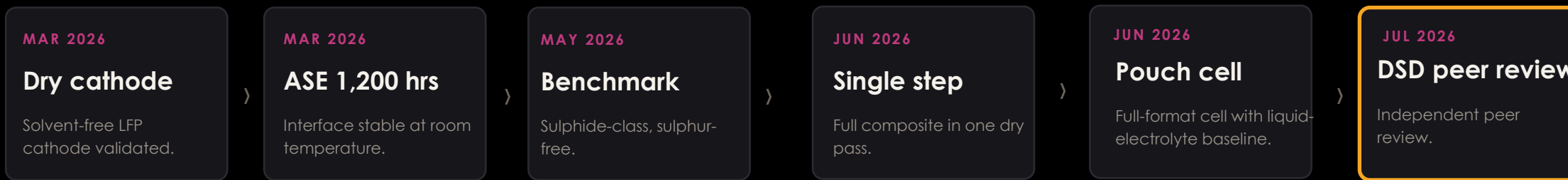
ASE electrolyte reaches the same class sulphur-free, potentially opening a cleaner, cheaper manufacturing path.

≈ **10× LLZO** and **4.5× NASICON** — far faster than the safe oxides, competitive with sulphides without the H₂S risk.

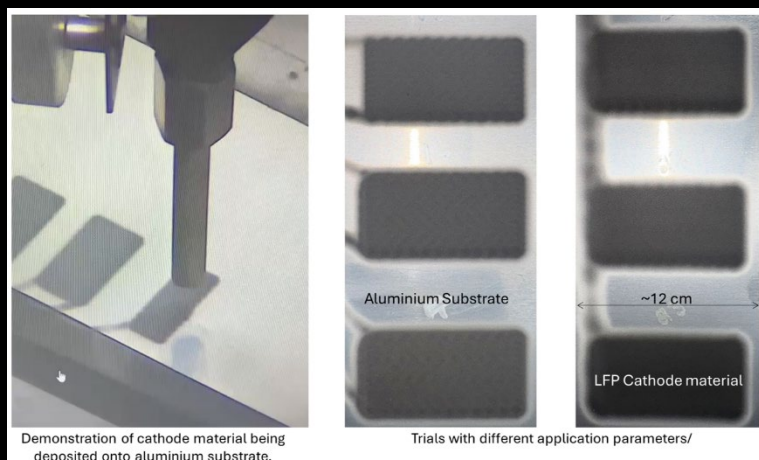
ASE benchmark and comparator reference values per ASX:CRR announcement dated 28 May 2026.

Theory lab validated In months, not years.

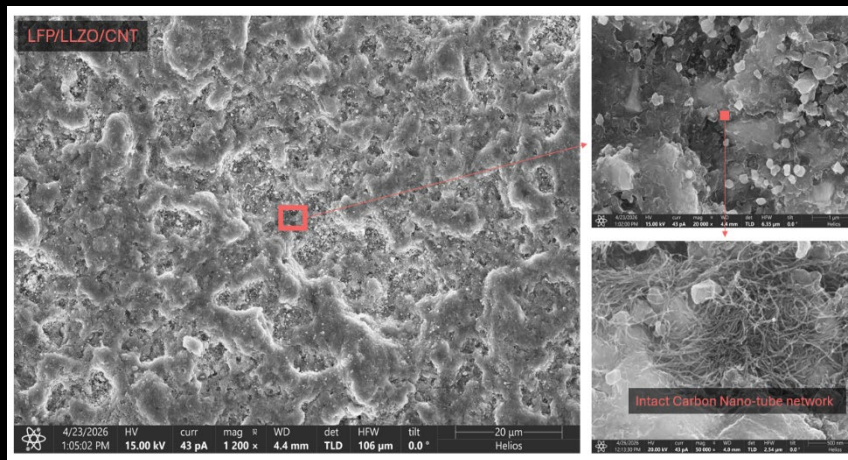
Six ASX-validated results in five months. We move fast and gate on measured evidence — and we'll bring the same cadence to the cooling.



DSD Program progression



One dry, single-step pass.
DSD deposition, live.



1,200 hours, validated.
Testing at South Dakota Mines.



Full-Format cell with DSD cathode.
Ongoing electrochemical testing.

Validated to date. **Compounding value.**

Each milestone builds on the last — proven now, verified next, deployed after.

● **SOLID-STATE BATTERY** · DSD cathode + ASE electrolyte

VALIDATED · NOW

Validate the science

ASE benchmarked sulphur-free; DSD deposits a dense cathode in a single dry pass.

NEXT

Integrate the full cell

ASE electrolyte and DSD process converge into one complete solid-state cell.

THEN

Verify independently

Third party confirms performance in a commercial-format cell.

● **TWO-PHASE COOLING** · NTU-licensed spray rack

GATE 1 · Q4 2026

Prove the cooling

Two-phase module prototype — the first evidence-backed cooling milestone.

NEXT

Scale up the platform

Staged racks size into modular inference data-centres — capital-light business at scale.

THEN

Deployment and Licensing

First partner or licensing deal — royalty economics begin, no factory to fund.

Capital efficient throughout — CRR licenses the know-how and IP, funding world-leading researchers and university facilities.
CRR targets and are not assured. Forward-looking — see disclaimer

Critically positioned for where everything's going.

Solving the density challenge on two fronts.

ENERGY DENSITY · CELL

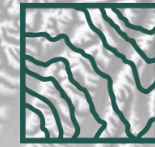
COMPUTE DENSITY · RACK

ASX:CRR





Investment Proposition



**Critical
Resources
Limited**

01

Exceptional **pipeline of gold, tungsten and antimony projects.**

Large, low-cost land holdings of early-stage gold-tungsten-antimony projects in Tier-1 geology and jurisdictions.

Multiple drill targets - High discovery potential.

02

North American Lithium Resource.

Strategically located lithium resource in Ontario, Canada with immediate access to world-class infrastructure and simple metallurgy.

Low-cost workstreams underway to de-risk and add long-term value.

03

Exposure to upstream **Technologies.**

Evaluation of advanced solid-state lithium-ion battery IP in the U.S. and exclusive Thermal Management portfolio. Access to low-cost, high-leverage R&D model.

Enhancing optionality across partnerships, IP generation and commercial pathways.

04

Shareholder alignment.

Proven leadership, creating shareholder value across multiple commodities and industries.

Directors and Management hold 11.7 % of CRR.



ASX:CRR

Compliance Statements

This document contains information relating to the Mineral Resource estimate for the Mavis Lake Lithium Project, extracted from the Company's ASX announcement dated 5 May 2023. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimate continue to apply. The Mavis Lake MRE includes all applicable drilling results up to and including 29 March 2023. The Mavis Lake MRE has been reported at a cut-off grade of 0.3% Li₂O and an open-pit mining scenario. A Bulk Density of 2.8 has been used for mineralised pegmatite. Estimation has been completed using inverse distance weighting. Resource classification is according to the JORC Code Mineral Resource categories.

This document contains information relating to the Mineral Resource estimate for the Halls Peak Project, which is extracted from the Company's ASX announcement dated 30 June 2023. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimate continue to apply. The Halls Peak MRE has been reported at a cut-off grade of 2% zinc and an open-pit mining scenario. This yields a total metal value that is potentially economically viable for open-pit mining. The MRE incorporates the reasonable prospects for eventual economic extraction assumed for open-pit mining. Resource classification is according to the JORC Code Mineral Resource categories.

The information in this ASX Announcement that relates to Mavis Lake Exploration Target is based on information compiled by Mr Troy Gallik (P. Geo), a Competent Person who is a member of the Association of Professional Geoscientists of Ontario. Troy Gallik is a consultant to Critical Resources. Mr Gallik has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Gallik consents to the inclusion in this Announcement of the matters based on his information in the form and context in which it appears.

This document contains information on the Cap Burn, Silver Peaks, Lammerlaw, Tokomairiro, Croesus and Rock and Pillar Projects extracted from ASX market announcements dated 6 August 2025, 8 & 10 September 2025, 4 & 22 December 2025, 23 February 2026, 25, 26 & 31 March 2026, 8 April 2026, 1, 14 & 26 May 2026 & 23 June 2026 reported in accordance with the 2012 JORC Code. This document contains information on the Halls Peak Project extracted from ASX market announcements dated 22 November 2021, 30 June 2023, 28 August 2024, 12 September 2024, 3 October 2024, 8 & 19 November 2024, 4 & 16 December 2024, 12 February 2025, 20 March 2025, 4 June 2025, 2 July 2025, 18 September 2025, 1 & 13 October 2025, 5 December 2025 and 9 February 2026 reported in accordance with the 2012 JORC Code. This document contains information on the Mavis Lake Project extracted from ASX market announcements dated 25 October 2021, 16 June 2022, 21 July 2022, 13 September 2022, 24, 25 and 31 October 2022, 20 & 29 December 2022, 23 January 2023, 9 February 2023, 27 March 2023, 3 April 2023, 18 May 2023, 16 & 27 June 2023, 17 & 24 July 2023, 21 August 2023, 13 & 19 September 2023, 19 & 24 October 2023, 2 & 15 November 2023, 13 February 2024, 18 March 2024, 17 April 2024, 2, 22 & 29 May 2024, 2, 8 & 24 July 2024, 22 August 2024, 28 & 30 October 2024, 2 December 2024, 27 June 2025, 25 August 2025, 3 & 27 November 2025, 5 December 2026, 9 February 2026, 13 April 2026, 12 May 2026, 10 June 2026 and 17 July 2026 reported in accordance with the 2012 JORC Code.

All announcements are available for viewing at www.criticalresources.com.au. The Company confirms that it is not aware of any new information or data that materially affects the information included in any original ASX market announcement.

Exploration Target Cautionary Statement, refer to ASX announcement dated 22 May 2024. The table below provides a summary of the Exploration Target including tonnage and grade ranges of each key Prospect ready to be drill tested. The Mavis Lake Exploration Target is derived from exploration potential at the Mavis Lake Main Zone (where the current MRE is located) while also introducing the exploration potential of the Northern Prospects, centered on the Gullwing and Tot pegmatites. The Exploration Target is based on interpretation of exploration completed to date (see summary of ASX releases below) and includes: (a) 287 diamond drill holes throughout the entirety of the Mavis Lake Project Area, including: (i) 44,179m of drill data generated by Critical Resources; (ii) 6,829m of drilling data generated by other parties; and 9,454m of drill core samples, and (iii) 2,032 samples taken at surface, from bedrock throughout the Mavis Lake Project Area; (b) 1,346 Mobile Metal Ion (MMI) Soil samples; (c) Regional and detailed geological mapping; (d) Airborne magnetics, radiometrics, very-low frequency (VLF) surveys; (e) Wireframing of inferred resource shapes at the Main Zone; and (f) Internal 3D geological modeling and wireframing for projection purposes. The Exploration Target includes the entirety of the Mavis Lake Project Area, but its primary focus is on known pegmatites that have proven significant lithium mineralisation from spodumene. Geological modelling and wireframing of the pegmatites included in the exploration model derived from inferred resource shapes, outcropping pegmatites including structural measurements and detailed geological interpretations. Tonnage was estimated by calculating the volume of the wireframes and multiplying by a density of 2.7 tonnes/m³. The weighted average grade was calculated from lithium assays from previous drilling and geochemical samples from the outcropping pegmatites at surface. Northern Prospects sample 159082, 157856, 347562 refer to ASX announcement dated 20 December 2022. Tot Pegmatite channel samples refer to ASX announcement dated 22 August 2024.

Mavis Lake Lithium Project - Mineral Resource Estimate

JORC Classification	Li ₂ O Cut-Off grade (%)	Tonnage (Mt)	Li ₂ O (%)
Inferred	0.3	8.0	1.07
Total*		8.0	1.07

*Reported at a cut-off grade of 0.30% Li₂O for an open pit mining scenario. Estimation for the model is by inverse distance weighting. Classification is according to JORC Code Mineral Resource categories. Refer to ASX:CRR announcement 5 May 2023.

Halls Peak – Gibson Base Metals Project - Mineral Resource Estimate

JORC Classification	Zn Cut-Off grade (%)	Tonnage (Mt)	Zn (%)	Pb (%)	Cu (%)	Ag ppm (g/t)	Au ppm (g/t)
Indicated	-	-	-	-	-	-	-
Inferred	2.0	0.84	3.7	1.5	0.44	30	0.1
Total*	-	0.84	3.7	1.5	0.44	30	0.1

*Reported at a cut-off grade of 2% Zn for an open pit mining scenario. Estimation for the model is from the generation of a rotated block model, with blocks dipping 55>330°. Classification is according to JORC Code Mineral Resource categories. Refer to the ASX:CRR announcement 30 June 2023.

Mavis Lake Lithium Project – Exploration Target Estimate

Mavis Lake – Prospect	Tonnage Range (Mt)		Li ₂ O Range (%)	
	Minimum	Maximum	Minimum	Maximum
Main Zone Extension Exploration Target	8	14	1.0	1.2
Gullwing Exploration Target	7	10	0.3	1.2
Tot Exploration Target	3	5	0.8	1.2
Project Exploration Target	18	29	0.8	1.2



Critical Resources Limited

www.criticalresources.com.au