

DECARB

(Energy)^{Lab}

DEBRIEF

Welcome to the Decarb Debrief 2025
A snapshot of the ideas, data and momentum shaping Australia's climate tech ecosystem through the lens of EnergyLab's alumni and activities.

INTRODUCTION

About EnergyLab	4
Letter from CEO	5
2025 EnergyLab Activity Snapshot	6

INVESTMENT DATA

Investment Data	8
EnergyLab Climate Solutions Accelerator Fund / Impact Ventures	9
EnergyLab's Angel Network	10
Significant Alumni Raises	11
Non-Financial Alumni Wins	12

FOUNDER & STARTUP PROGRAMS

EnergyLab's Founder & Startup Programs	14
--	----

\$526m Total VC funding raised by all EnergyLab alumni

PROGRAM HIGHLIGHTS

Women in Climate & Energy Fellowship	16
Climate Tech Ignite	17
Climate Tech Lab to Market	17
Climate Tech Charge	18
QLD Investment Ready Program	19
Climate Solutions Accelerator	20
Energy Scaleup Program	21
Going International Bootcamp	22
SuperCharge Australia	23
Supercharge Australia Innovation Challenge	24
Supercharge Australia Incubator	24

TECHNOLOGY TAXONOMY MAPPING

Technology Taxonomy Mapping	26
Subset of EnergyLab Alumni (2017 - 2025) by Taxonomy Vertical	27

103 Startups graduated from programs in 2025

COMMUNITY & ECOSYSTEM

Community & Ecosystem	29
Locations & Facilities	30
Events	31
EnergyLab Startup Showcase	32
Get Involved & Help Fund Our Work	33

THE TEAM

The Team	35
----------	----

PARTNER/SUPPORT ACKNOWLEDGEMENT

Partner/Support Acknowledgement	37
---------------------------------	----

2240 People engaged in the EnergyLab events in 2025

DISCLAIMER AND ACKNOWLEDGEMENT
The views expressed herein are not necessarily the views of the Australian Government. The Australian Government does not accept responsibility for any information or advice contained within this document.

This project received funding from the Australian Renewable Energy Agency (ARENA) as part of ARENA's Advancing Renewables Program

INTRODUCTION

About EnergyLab	4
Letter from CEO	5
2025 EnergyLab Activity Snapshot	6



About EnergyLab

EnergyLab is Australia's leading climate tech startup accelerator, driving an innovation ecosystem at the forefront of the clean energy and climate tech revolution.

Since 2017, EnergyLab has empowered visionary energy and climate tech founders by connecting them with influential mentors, advisors, partners, investors, and peers.

The EnergyLab ecosystem is a dynamic and growing community dedicated to developing solutions for the global climate crisis, both in Australia and worldwide.

The EnergyLab pipeline of programs has been deliberately designed to support climate and clean tech founders through every stage of growth, from initial ideation through to international expansion. This model aims to prevent high-potential startups from dropping out of the pipeline unnecessarily by bridging critical gaps between research, capital raising, and large-scale deployment.

The EnergyLab pipeline of programs is specifically built to help the survival and commercial success of breakthrough climate and clean tech companies in the Australian ecosystem.



Letter from CEO

Building Australia's Decarbonisation Engine

To say that 2025 was a big year for EnergyLab and our startup alumni would be an understatement. For me, it felt like the year where the long awaited potential started to materialise. Our Australian alumni raised a total of \$348 million in equity investment - a massive jump from the \$147 million we tracked in 2024.

While a substantial portion of this total is represented by Infravision's \$139 million Series B - a milestone that highlights the global scaling potential of our graduates - the growth is truly broad-based. Even excluding this outlier, our remaining alumni raised over \$200 million, demonstrating a healthy and consistent upward trend across the alumni network.

We are mindful that data methodologies differ across reporting bodies; for example, the State of Australian Startup Funding report identifies \$585 million in total climate tech investment for the year, while Climate Salad places that figure at \$680 million. While these reports capture the broader national trend, the figures raised by our alumni - both at the early and scaling stages - highlight EnergyLab's role in helping to build a resilient and mature pipeline for the sector.

As EnergyLab enters its 10th year, I'm seeing the Australian climate tech ecosystem move out of pilot potential and into true global expansion. Despite a broader venture market recalibrated by the rise of AI, our alumni have demonstrated remarkable persistence and resilience.



1. An Engine of National Capability

Climate tech is no longer an alternative industry; it is a primary driver of Australia's modern economic capability. I've said before that innovation is a capability to be built, not a switch that you can instantly turn on, and we are seeing that capability manifesting in the 7,000+ people now directly employed in the national climate tech sector. This year, 103 startups and 33 aspiring founders graduated from our programs, reinforcing our role in developing the early-stage pipeline of new climate tech ventures for Australia. This national capability is increasingly anchored in physical innovation - as the State of Australian Startup Funding report highlights, investors are increasingly recognising the defensible moats offered by hardware and deep tech. In a market where software barriers are shifting, physical-world solutions offer the kind of long-term IP protection that is significantly harder to replicate.

2. Global Capital as a Scaling Accelerant

A defining trend of 2025 is the bridge being built between local innovation and international capital. According to the State of Australian Startup Funding report, 66% of deals now include at least one international investor. We see this mirrored in our own cohort: major raises like Infravision's \$139m Series B (led by Singapore's GIC) and Amber Electric's \$45m round (led by EFT Partners) show that the world is looking to Australia for scalable decarbonisation solutions. In fact, every alumni raise over \$20M in 2025 had an international lead.

3. Retaining Industrial Value and Sovereignty

The ability of our startups to secure international capital and manufacturing partners—such as Renewable Metals (UK), Gelion (Japan), and Sicona (India)—is a testament to their global competitiveness. However, this success also highlights a critical imperative for us: we must build domestic pathways that allow these innovators to retain their manufacturing knowledge and high-value jobs within Australia. To truly lead the global net-zero economy, we must ensure that the industrial value created by our innovators remains an enduring part of our national capability.

4. AI as an Enabler

While 61% of all Australian startup funding this year was directed toward AI-enabled companies, for the EnergyLab community, the focus is on meaningful application. We are seeing climate tech startups using AI as an essential capability for solving the hardest problems in physics and infrastructure. Our alumni are moving beyond software-only models and using machine learning to accelerate the transition. We see this in Neara, which leverages AI and physics-enabled digital twins to model the grid's physical behavior in 3D, helping utilities safely unlock

capacity in existing networks. Similarly, Infravision is pairing aerial robotics with intelligent software to automate the high-stakes navigation and obstacle avoidance required to string high-voltage power lines. These startups are proving that AI is most useful when it acts as the "brain" for the tangible, real-world infrastructure we need to reach net zero.

5. A Community Built for the Long Haul

With a decade spent building the connective tissue of this ecosystem, we leveraged our 457-strong mentor network and 245-strong angel network to facilitate nearly 500 mentor meetings and 87 unique investor introductions this year. This community is fueled by a profound cultural shift: the Startup Muster 2025 report reveals that 69% of all Australian founders now say profit and impact are equally important. In our experience, the double bottom line is not just a preference; for climate tech founders, impact is at their core.

The global climate opportunity will not wait for us. Now is the time to back our innovators with the capital and expertise they need to move from Australian pilots to global impact. EnergyLab remains their partner and cheerleader as we ensure Australia stays at the forefront of this industrial revolution while meeting our net zero targets.

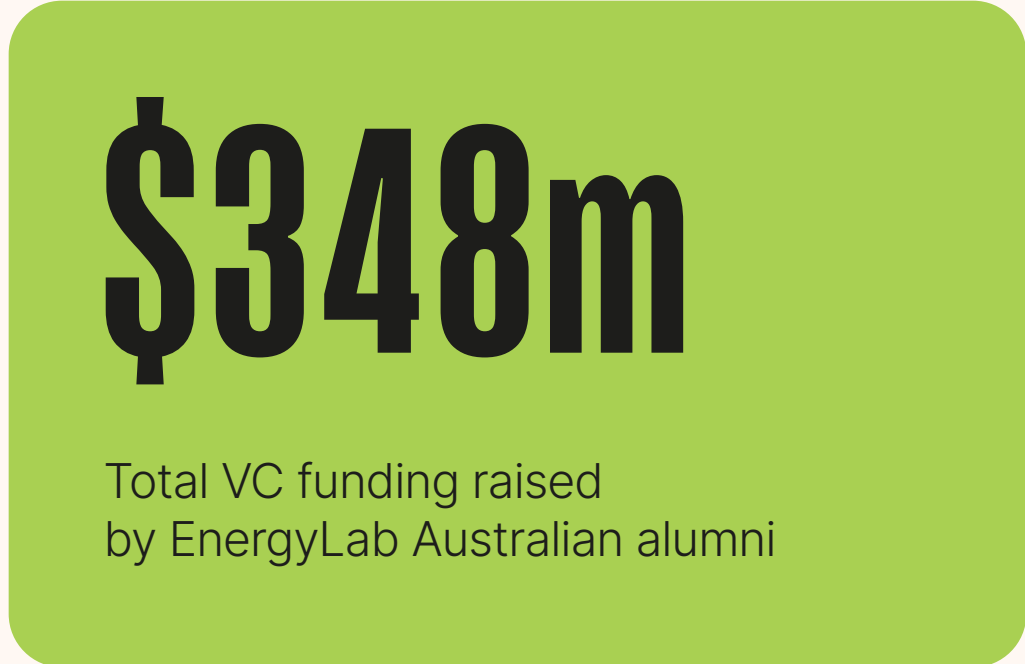
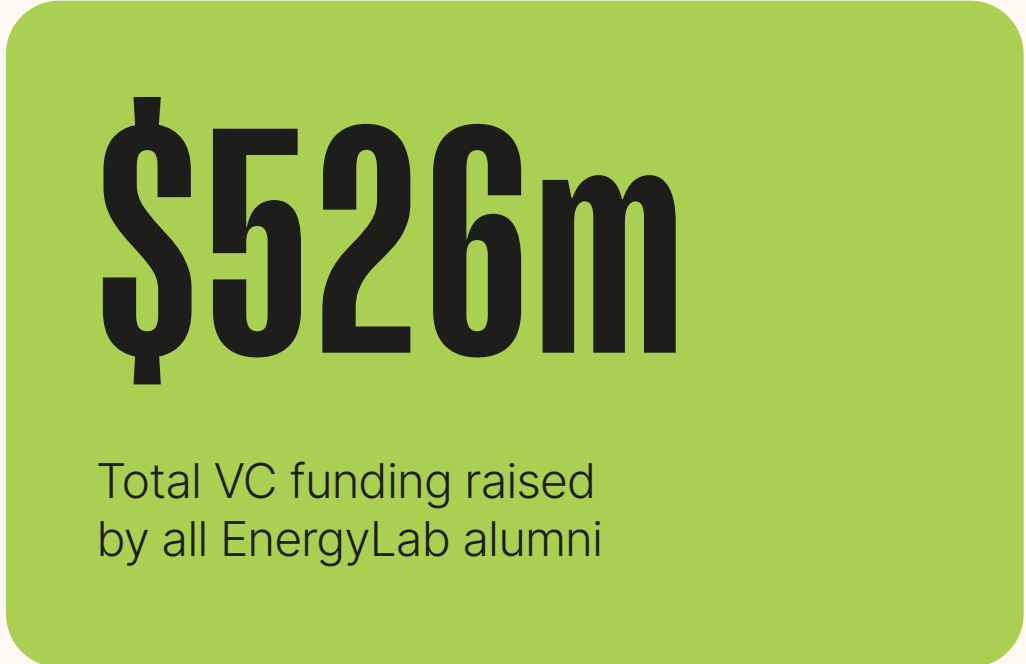
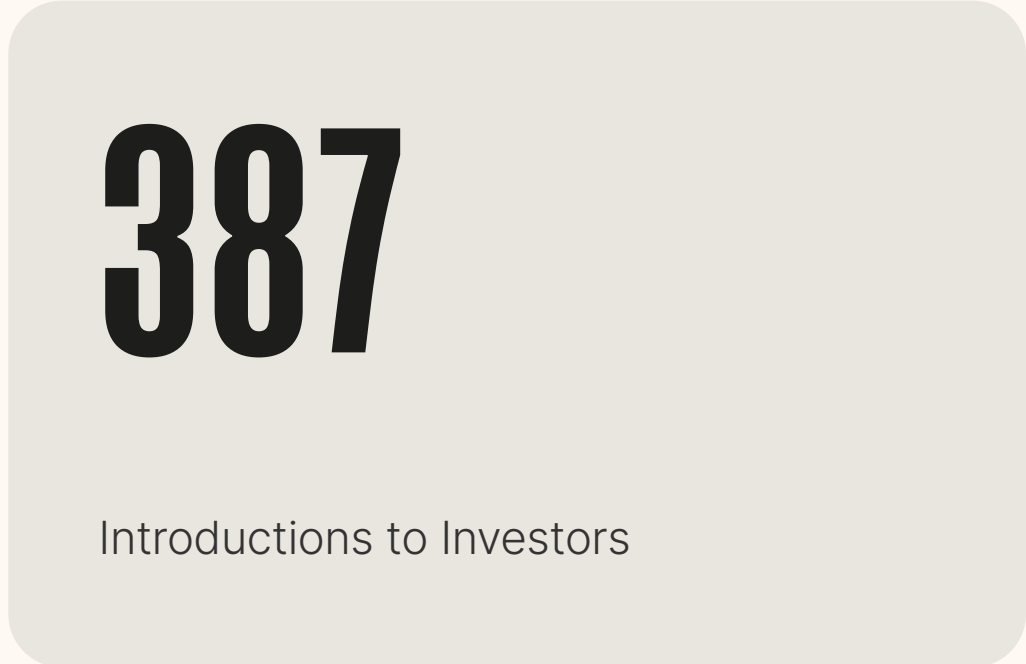
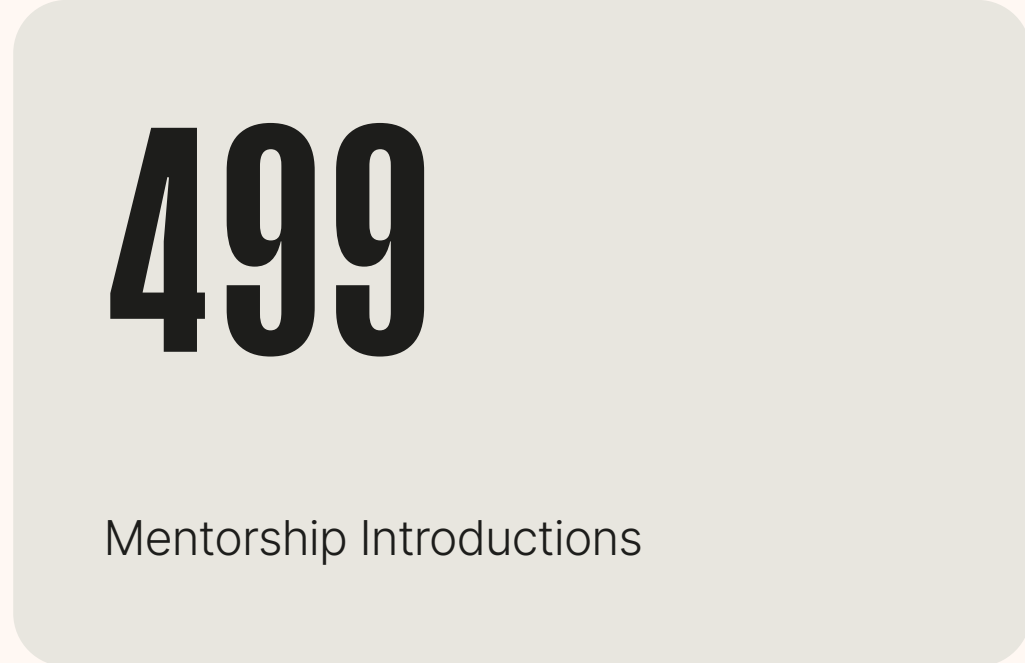
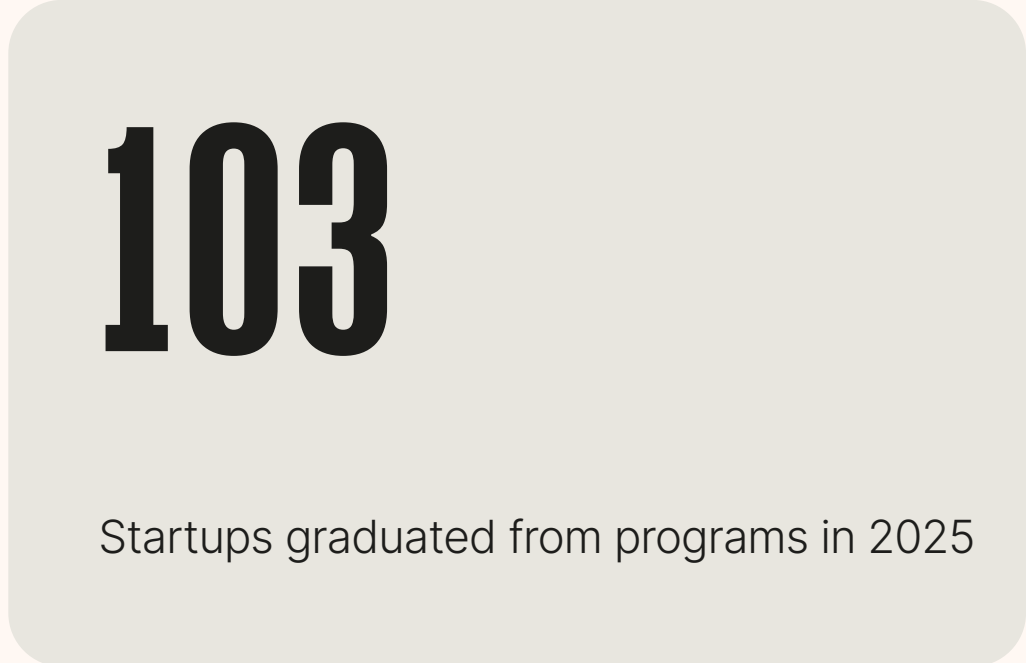
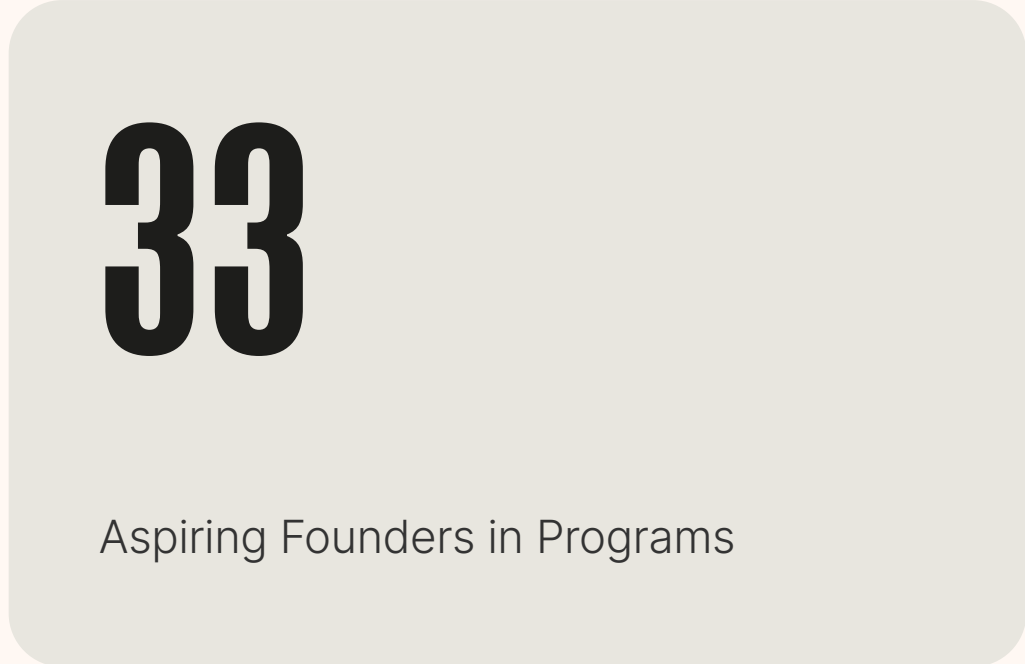
Megan Fisher, CEO & Director

2025 EnergyLab Activity Snapshot

In 2025, EnergyLab alumni fundraising numbers hit a new high with EnergyLab Australian alumni raising a whopping total of \$348m in 2025, compared to \$147m in 2024. All EnergyLab alumni - Australian & International - raised a total of \$526m, compared to \$194m in 2024.

EnergyLab continued to expand its impact by launching the Supercharge Australia Incubator as part of our Supercharge Australia Initiative. In addition to our 10 established programs that delivered 11 program cohorts, we partnered with Climate-KIC Australia and Boomerang Labs to deliver the Climate Launchpad program, further deepening our support for early-stage climate and clean tech startups.

Mentorship and investor engagement reached new milestones as the network leaned in more than ever. We facilitated 387 investor introductions and 499 mentor introductions with the growth reflecting a high level of engagement that we hope to see continue as the climate and clean tech ecosystem in Australia continues to mature.



INVESTMENT DATA

Investment Data	8
EnergyLab Climate Solutions Accelerator Fund / Impact Ventures	9
EnergyLab's Angel Network	10
Significant Alumni Raises	11
Non-Financial Alumni Wins	12



Investment Data

EnergyLab’s Australian alumni raised a whopping total of \$348m in 2025, compared to \$147m

in 2024. All EnergyLab alumni - Australian & International - raised a total of \$526m, compared to \$194m in 2024.

This steep increase in year on year funding reflects the maturing of EnergyLab alumni, as EnergyLab enters its 10th year of operations in 2026.

Early-stage capital raises is challenging for climate tech startups due to increased complexities including rigorous testing, extensive R&D, pilot programs and extended sales cycles.

For later stage startups, international capital is essential. All EnergyLab alumni raises over \$20m AUD were led by an international investor.

These findings matched a thesis EnergyLab had when it launched its International Bootcamp Program. While we have a number of dedicated Australian climate, clean and deep tech investors, the capacity is too small to meet the capital needs of our startups as they begin to reach scale. Continuing to attract offshore capital will be critical as Australia looks to grow its climate, clean and deep tech innovation landscape.

387

Number of Unique Investor - Startup Introductions

\$888k

Total Impact Ventures Fund Raised for Climate Solutions Accelerator

\$526m

Total VC funding raised by all EnergyLab alumni

\$348m

Total VC funding raised by EnergyLab Australian alumni



EnergyLab Climate Solutions Accelerator Fund

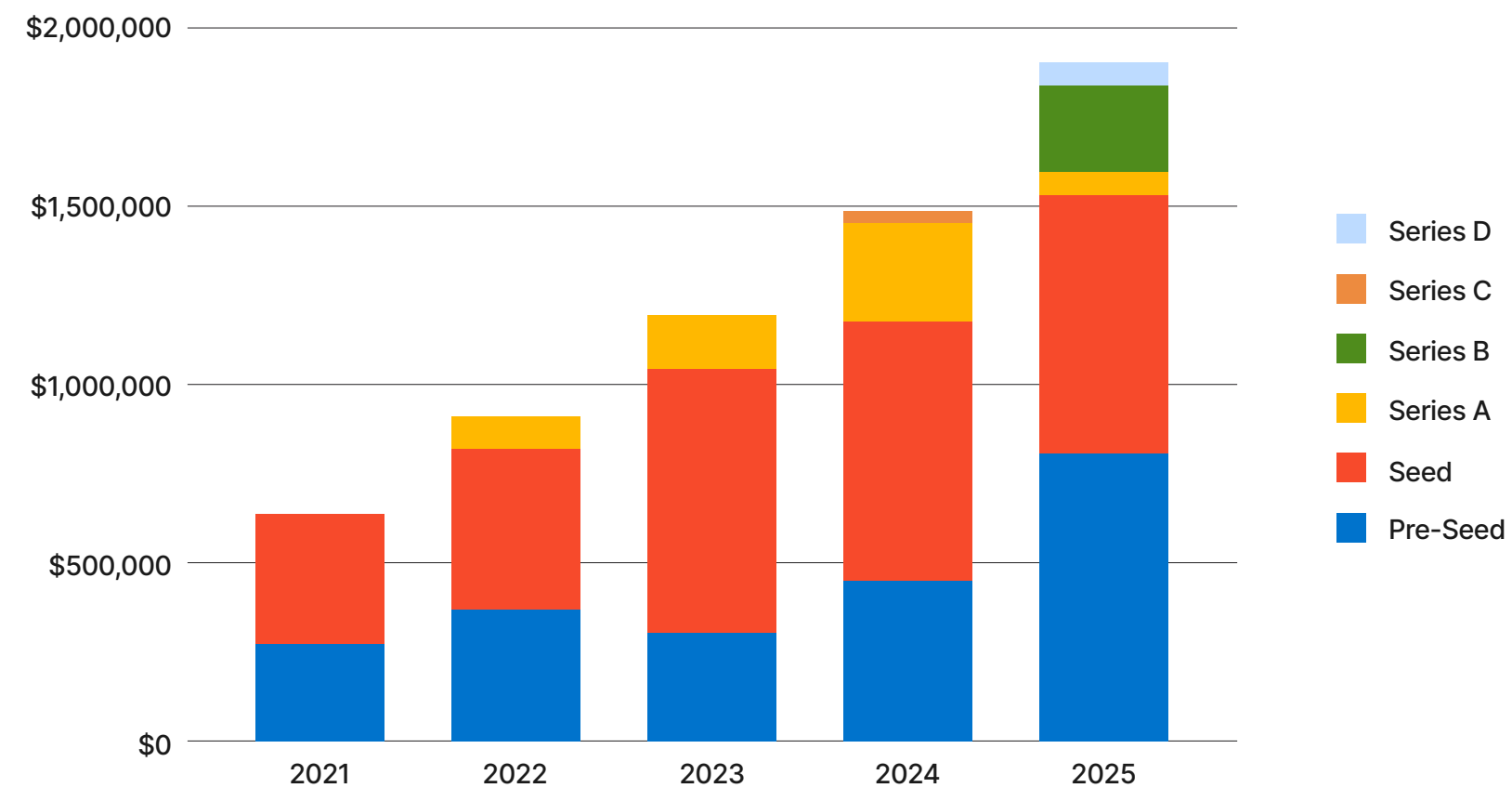
The EnergyLab Climate Solutions Accelerator Fund is unique in that it provides investors with a diversified portfolio of Australia's best climate tech startups and is coupled with the highly choreographed Climate Solutions Accelerator that provides proactive hands on support to a highly selective cohort of startups.

"After investing in more than 50 EnergyLab alumni over the past five years, several clear trends are emerging. As expected, on-paper returns tend to lag in the first couple of years as climate tech startups navigate regulatory hurdles, technology trials and long sales cycles. Once those barriers are cleared, however, we're seeing fast, sustained growth comparable with startups in any other sector. That momentum is allowing us to deploy increasing amounts of capital into climate solutions each year as early investees such as Amber and Infravision progress to larger growth rounds."

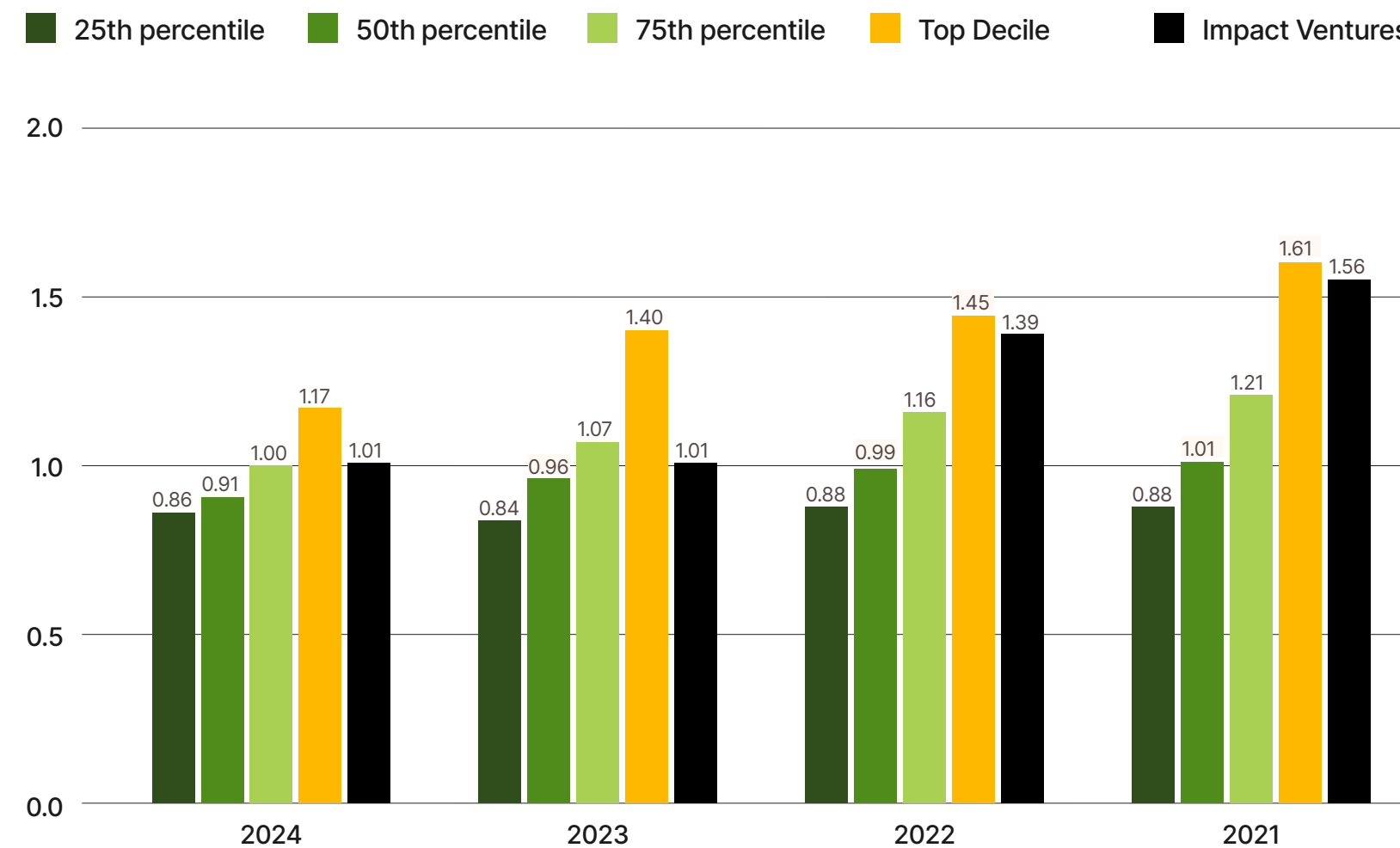
- James Tilbury

In 2025, the funds raised have maintained a stable growth rate of 25-30% growth over the past couple of years. With a notable focus on early-stage startups, EnergyLab continues to attract significant funding with pre-seed investment having tripled since 2021, providing essential support. 2025 also provided more opportunities for investors to follow-on into Series B, C and D rounds from early accelerator alumni and the fund is performing strongly after 3 years, reaching close to the top decile threshold.

Angel group funds raised 2021-2025



Impact Ventures comparative net TVPI vs US VC funds



IMPACT VENTURES

EnergyLab is able to provide crucial investment towards promising startups through its flagship program Climate Solutions Accelerator and the Impact Ventures Fund, the latter being led by James Tilbury and Piers Grove. Impact Ventures collaborates with top startup accelerators to assist founders in scaling key decarbonisation solutions and as an independent investor, Impact Ventures focuses on backing high-growth, early-stage companies that enhance the shift towards a sustainable, net zero economy.



Investing in the Accelerator fund offers a distinct opportunity to invest in a handful of the most promising up and coming climate tech startups.

Reach out to **James Tilbury** james.tilbury@impactventures.fund to express interest in investing in the 2026 Climate Solutions Accelerator fund.

EnergyLab's Angel Network

In 2025 the EnergyLab Angel Group continued to grow, enabling its extensive network of 245 investors to support emerging clean energy and climate tech solutions. 16 new angels joined the group in 2025.

The EnergyLab Angel Group Platform, available for free to all EnergyLab Angel members - hosted 11 new deals, and 16 investments were facilitated through the group.

Recognising the unique challenges climate tech startups face in securing capital, EnergyLab offers startups, including those from outside of the EnergyLab network, the opportunity to connect with EnergyLab Angels—a dedicated network of 245 investors who actively welcome pitches from climate tech founders year-round.

11 New deals featured on the platform

245 Angels on the platform

16 New angels welcomed to the group

16 Startups invested in

\$1.9m Raised by the EnergyLab Angel Group and invested as follows:

\$414,000	Pre-seed
\$783,526	Seed
\$288,000	Series A
\$35,000	Series C



A Note on Grant Funding.

\$17.8m Grant Funding raised by Australian EnergyLab Alumni

\$5.5m Grant Funding raised by International EnergyLab Alumni

Recorded grant funding numbers were lower in 2025, with \$27m raised by Australian and \$109m raised by international startups in 2024, compared to \$17.8m by Australian alumni and 5.5M by International alumni in 2025.

While the analysis may seem grim, a greater amount of grants distributed to Australian EnergyLab Alumni were recorded, with 25 in 2025 as opposed to 12 recorded in 2024. With \$101m of the international grant funding raised in 2024 having come from 2 grants, the data would suggest that there has not been a slowdown in grant distribution, but a reduction in cheque size.

Significant Alumni Raises

\$139m

Infravision is an aerial robotics climate-tech company that uses autonomous drones and intelligent ground equipment to automate power line construction and maintenance, making grid build-out faster, safer and more cost-effective than traditional methods. In 2025, Infravision raised a \$91 million USD Series B funding round led by Singapore’s sovereign wealth fund GIC, with participation from Active Capital, Hitachi Ventures and existing backer Energy Impact Partners.



\$55m

Amber Electric is an Australian renewable energy retailer and climate tech company that offers customers access to real-time wholesale electricity prices and automation tools to optimise home battery and EV charging, helping households reduce costs and better integrate renewable energy into their daily use. They raised \$45 million in a major funding round led by UK/Europe-based impact investor EFT partners with support from existing backers, and another \$10million later in the year through Virescent and E.ON.



\$50m

IND Technology is an Australian-founded climate tech and energy infrastructure company that develops advanced Early Fault Detection (EFDTM) systems to monitor power grids and detect electrical faults before they become outages or wildfire risks, helping utilities improve reliability and safety worldwide. In 2025, they secured a major growth funding round raising \$50 million in a round co-led by US-based Angeleno Group and Energy Impact Partners to help scale its technology globally and expand deployment that prevent outages and bushfires by using real-time data and AI-driven analytics.



\$17.2m + \$50m

The National Renewable Network (NRN) works with energy retailers to offer no-cost upfront solar and battery systems. They make this possible through a creative blend of strategic partnerships, technology, and a commitment to renewable energy. They streamline the process of transitioning to solar power through leveraging expertise and resources to be both cost-effective and efficient. In 2025 they raised a Series A of \$17.2 million AUD in equity along with \$50M in debt, a example of how different types of capital are critical to the success of climate and clean tech startups.



Non-Financial Alumni Wins

It's important to celebrate the non-financial wins of our alumni as well as the raises. Here's just a sample of the achievements of the EnergyLab alumni in 2025.

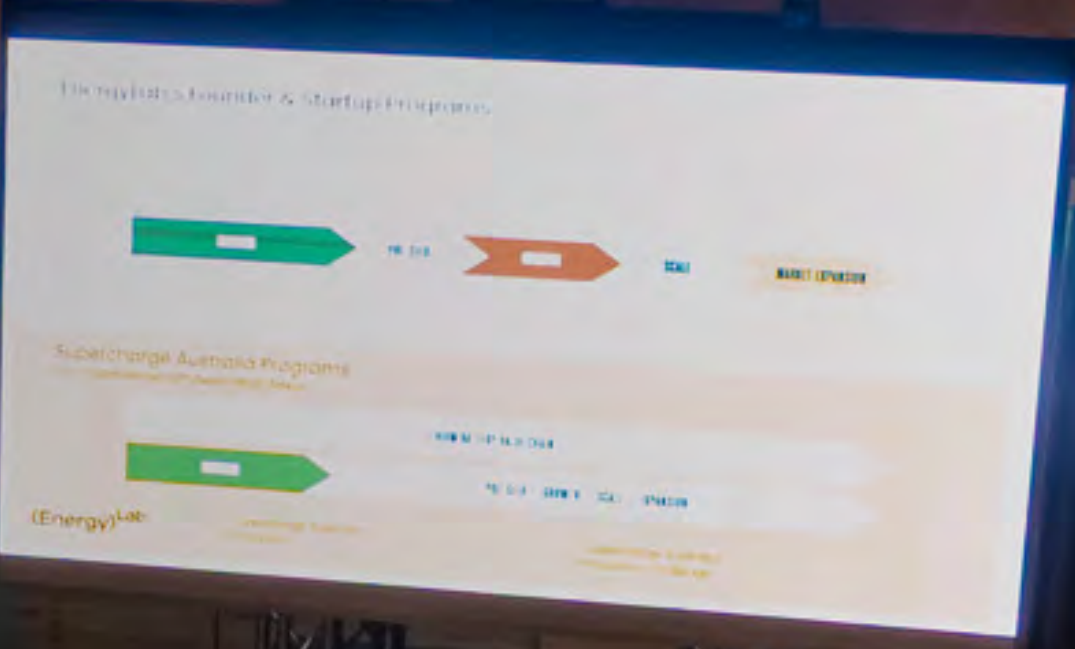
ACCURE Battery Intelligence Released the 2025 Energy Storage System Health & Performance Report establishing thought leadership in battery analytics **Adiona Tech** Featured in Startup Daily for their logistics work delivering for Australia Post's StarTrack

Amber Electric Acquired Charge HQ and launched on Gentrack's g2.0 platform. The company was named in TIME's World's Top GreenTech Companies of 2025 and the founders were recognized in the Top 100 Young Entrepreneurs list **AEI** Featured in Farm Online regarding their smartbox invention being described as a highly effective ag-tech innovation **Agscent** 'Best in Climate Agtech' and 'Best in Livestock' at the Agritech awards. now have GHG demonstration units in Australia, US, New Zealand, Japan and shortly Brazil **Algenie** Sold their first benchtop reactor to the University of Nantes and was selected for Tech23 **Amber Kinetics** Launched a new technology system with Kawasaki Heavy Industries to modernize power grids **Amperon** Secured a strategic investment partnership with Acario to advance AI-powered energy forecasting **Allegro Energy** Unveiled Australia's first locally manufactured microemulsion flow battery and was selected for the CSIRO Rise program. They were also featured in The Wall Street Journal, named a finalist in the InnovationAus Awards **Blue Carbon** Selected as a Qualified Team in the XPRIZE Water Scarcity competition and featured in the Top 200 Coral Conservation list **Brightspace (AI)** Moved to full production manufacturing, contracted a major POC with the ICC Sydney, deployed our first government-owned airport, secured a Shopping mall POC for a major REIT in Malaysia, secured a POC with a major property fund in Singapore **Bygen** Completed an independent Life Cycle Assessment validating their low carbon footprint and was awarded a CRC-P grant for PFAS treatment **C2Zero** Shortlisted in the Sustainable Times RISE sustainability awards, launched C2Zero in the UK with several partnerships and collaborations including LGPS Central **Camus Energy** Quoted in Canary Media regarding their work with Google data centers **Captivate Technology** Achieved successful demonstration of our low cost carbon dioxide separation technology at a major geothermal power station and at a major landfill gas site **Conry Tech** Featured on 7News for their breakthrough air conditioning system and Sam Ringwaldt won People's Choice at Startup World Cup Melbourne **Datasker** Finalist at the Fintech Australia "Finnies" Awards 2025 under the "Excellence in Green Fintech or Sustainability Initiatives" category **Dovetail Electric Aviation** Unveiled the DovePower propulsion system and won a category at the Australian Technologies Competition. They were also a finalist for Best Innovation at the Australian Aviation Awards and partnered with Zeus Aviation **Eclass Outboards** Successful Solomons trial DFAT funded, finalist National Banksia Awards, first Senegal retrofit marine electric hub, 2 successful trials with Surf Lifesaving Australia, first commercial tourism sale of our electric outboards in Australia **EcoJoule Energy** Named in the Forbes Asia 100 to Watch 2025 list and featured in The Fifth Estate regarding their expansion **Econome** Launching a climate stream in partnership with Diagno **Economical Energy** First customer & first revenue! **Elecsome** Signed an MOU with AGL and is expanding their team with research leadership roles **Emmi** Expanding their team by hiring data engineers to drive climate impact **Enaxiom** Co-CEO Tia Collings was featured on the Investor Talk podcast and the Humans of Sydney Climate Action series **energyos** Selected for the CSIRO Rise program **Enosi** Launch of our product in Italy with partner Plenitude SpA 2, certification in the UK by the market operator Elexon, successful operation of a P2P electricity trading study in collaboration with Deakin University **EPCA** Won a Startup Daily Best in Tech Award and was selected for Tech23 **Equoia** Selected for LaunchVic's CivVic Labs EnergyTech Challenge to co-design solutions with government **ev.energy** Partnered with Jaguar Land Rover for a V2G pilot in the UK and with Northern Powergrid for grid innovation **Everty** Acquired by AGL to bolster their EV charging capabilities **Exergenics** Won Best Digital Innovation Project Delivery at the CIBSE Building Performance Awards & Siemens Partnership **Farmbot Monitoring Solutions** Named in the AFR Sustainability Leaders 2025 list and named a finalist for the InnovationAus Awards **Flipped Energy** Hit 1m ARR since launching in September and are rapidly growing, closing in on 2m by March **Gelion** Achieved a performance breakthrough in Lithium-Sulfur tests, announced a full collaboration agreement with TDK Corporation to advance their next-generation Sulfur battery technologies, and collaboration with Max Planck Institute **Geoneon** Featured on 7News Tasmania **Gridcog** Insights on Tesla superchargers were featured in The Driven **Gridmo** Hiring new team members to accelerate the energy transition **Hiringa** Secured major NSW Government backing to build out sustainable cotton powered by green hydrogen, a big step forward for decarbonising agriculture and proving regional hydrogen hubs can move from vision to reality **IND Technology** Won a Victorian Export Award, presented on network resilience on "The Hill" in the US, and opened a new office in Kuala Lumpur **Infravision** Completed a major drone-enabled transmission stringing project with Hydro One in Toronto **Janus Electric** Signed an MOU with EVUNI to distribute their battery swap technology in Africa **Kraftblock** Featured in Forbes regarding their thermal energy storage technology **Li-ion Energy** Won a Telstra Best of Business Award Linebird Selected for the 35 Mules innovation program in Florida **MGA Thermal** Commissioned a commercial-scale demonstration plant and their Head of Engineering was named Professional Engineer of the Year. They also won the 2025 Australian Renewable Heat Award **Naut** Showcased a new electric propulsion system for boats in the NZ Herald **Neara** Selected for the CSIRO Rise program, featured on the "In The Blink of AI" podcast, and publicly called for smarter grid policy in PV Magazine **Net Zero Engineering Solutions** Portia Rooney was awarded a Churchill Fellowship and the company was mentioned in The Driven regarding the World Solar Challenge **NRN (National Renewable Network)** Partnered with Alinta Energy for a VPP and was featured in the AFR regarding their free solar plan **OptiGrid** Partnered with Hepburn Energy to optimize a community battery Orkestra Expanded operations to Europe **Oscorp Energy** Named a finalist in the Lithium Ion Battery Innovation Challenge **Pix Force** Named a finalist for the O Setor Eléctrico Award in Brazil **RegenX** Formed a pilot partnership with Eliot Energy including a live battery-tokenisation PoC **Renewable Metals** Secured site for demonstration plant in Perth and now building with anticipated commissioning in 2026; Awarded NSW CTI grant for FEED for commercial facility in Hunter Valley NSW **Reswitch** Partnered with Squadron Energy for the Power Promise Program to deliver bill bonuses to locals **Reynard Wood** all new outsourced digital marketing completed, with new website, documentation, and marketing plan applicable for large scale **Savic Motorcycles** Featured on Channel 9 News and received positive reviews from EV Central **Sentrisense** Established a strategic partnership with global instrumentation leader Megger **Shifted Energy** Featured on Hawaii News Now for their work in low-income communities **Sicona Battery Technologies** Licenced right to tech to chemical company Himandri **Smartizer** Reached TRL-6 with its AI-powered SyncHub, Smart Meter, Smart Load Control, and modular battery system, successfully operating several prototypes with promising performance. Reported in Renew Economy and ABC radio and saw a significant surge in customer and partner interest, across renters, property managers, and retailers **SPEC Toolbox** Rebranded from CLT Toolbox and partnered with Mercer Mass Timber **Splight** Selected to join the Dominion Energy Innovation Center & Expansion of geographical reach to EU **Square by Square** Filed provisional Patent for their innovative technology to protect nature with landholders worldwide and secured 300 Customers from 30 different customers within 4 months and added a new Co-Founder from Germany **Stralis Aircraft** Won the Sustainability and Environmental award at the Queensland iAwards, partnered with Advent Technologies for fuel cell components, and began testing hydrogen fuel tech in New Zealand **Syenta** Featured in Forbes Australia regarding their chip packaging breakthrough **Tasmanlon** Selected as a Top 8 startup for the NREL International Demo Day and founder Shalini Divya was featured on the Tech Rockstar podcast **Treeswift** Selected to join the Dominion Energy Innovation Center **Val.ai** Won the Emerging Business Award at the SA Premier's Business & Export Awards and founder Allys Todd was named a Founder of the Year finalist at the Women in Digital Awards **Vaulta** Secured a partnership to set up a licensed assembly facility in the US and founder Dom was featured on the Electrify This channel. 4x revenue and set to double again **Veepower** Added 2 co-founders, closed pilot deal Veritas Tech **Veritas Tech** is building an Australia-Japan joint venture in emerging climate and sustainability technologies to address broader markets across the Asia-Pacific and beyond **Village Energy** Announced some major integration partnerships with Ecoflow, Fisher and Paykel, Pylontech, Local Volts, SMA, Solis, and Sonnen. We were featured in the International Energy Agency's 2025 Global Market Scan of HEMS and Controllers, authored by the Institute for Sustainable Futures **Voltavate** completed the Discovery Phase of the CSIRO India-Australia RISE Accelerator, graduated from the CDL Prime Stream in Melbourne, filed new Australian provisional patent for our technology. Set up our laboratory and pre-pilot facility **Wattwatchers** Featured in The Fifth Estate regarding their scale and impact in energy measurement **X-Centric** Founder co-authored a chapter in Unlocking the Secrets of Soil and the company was selected for Tech23

FOUNDER & STARTUP PROGRAMS

EnergyLab's Founder & Startup Programs

14

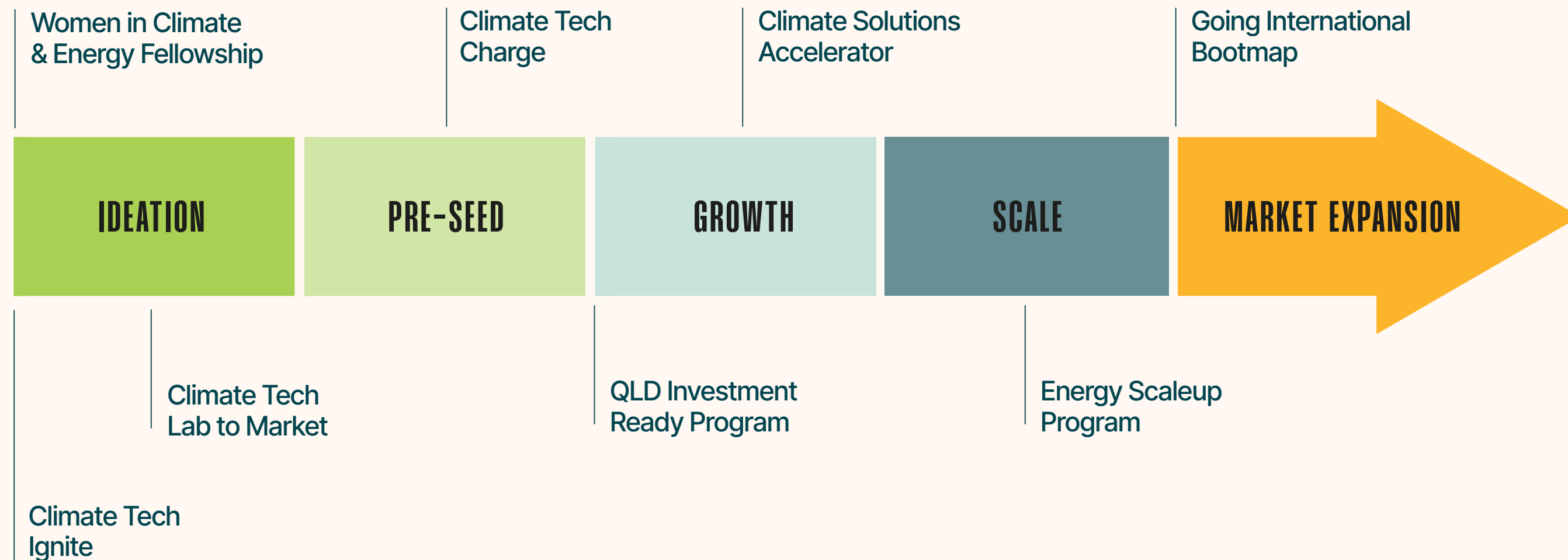


EnergyLab's Founder & Startup Programs Support at every step of the journey

EnergyLab is Australia's leading climate tech startup accelerator, driving an innovation ecosystem at the forefront of the clean energy and climate tech revolution. Since 2017, EnergyLab has empowered visionary energy and climate tech founders by connecting them with influential mentors, advisors, partners, investors, and peers.

The EnergyLab ecosystem is a dynamic and growing community dedicated to developing solutions for the global climate crisis, both in Australia and worldwide.

The EnergyLab pipeline of programs has been deliberately designed to support climate and clean tech founders through every stage of growth, from initial ideation through to international expansion. This model is specifically built to help the survival and commercial success of breakthrough climate and clean tech companies in the Australian ecosystem. Supporting startups to bridge critical gaps between early stage development & research, capital raising, and large-scale deployment.

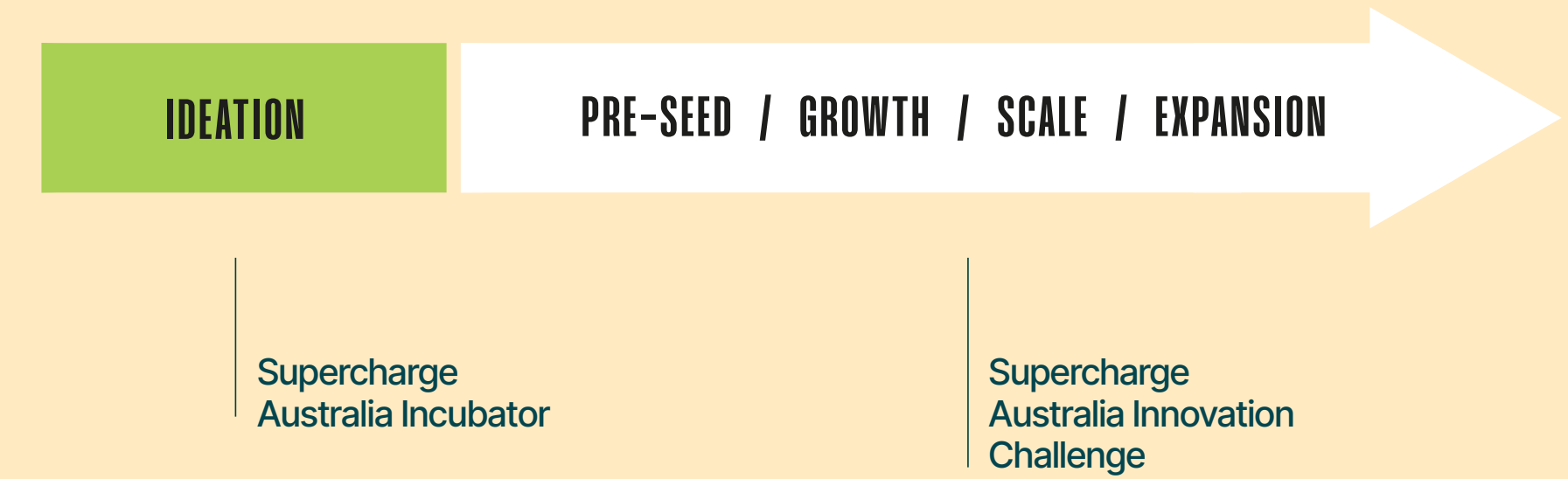


Supercharge Australia Programs

In addition to the programs on the development cycle, EnergyLab, in partnership with New Energy Nexus, runs two programs focused on the development of the startup innovation ecosystem along the lithium battery value chain under Supercharge Australia.

LITHIUM BATTERY VALUE CHAIN

- Lithium Exploration and Mining
- Ore processing and Chemical Making
- Cell and Battery Making
- Stationary Energy Storage
- Ev's, Mobility
- 2nd Life, Recycling



PROGRAM HIGHLIGHTS

Women in Climate & Energy Fellowship	16
Climate Tech Ignite	17
Climate Tech Lab to Market	17
Climate Tech Charge	18
QLD Investment Ready Program	19
Climate Solutions Accelerator	20
Energy Scaleup Program	21
Going International Bootcamp	22
SuperCharge Australia	23
Supercharge Australia Innovation Challenge	24
Supercharge Australia Incubator	24



Women in Climate and Energy Fellowship (Ideation)

Launched in 2019, the Women in Climate Energy Fellowship (WICEF) helps women launch clean energy and climate tech startups. Over the course of three months, valuable skills, knowledge and networks are attained in order to help women venture into entrepreneurship.

With the funding gap for women in the startup space undisputed, EnergyLab runs the Women in Climate and Energy Fellowship to ensure that women have access to crucial resources, networks of expertise and funding from the earliest stages of their startup journey.

- 12** Aspiring founders graduated
- 39** Mentor introductions
- 95%** Increase in how 'well equipped' women feel to launch a startup post program
- 55%** Increase in fellow confidence post program
- 127** Aspiring women founders supported since program launch in 2019



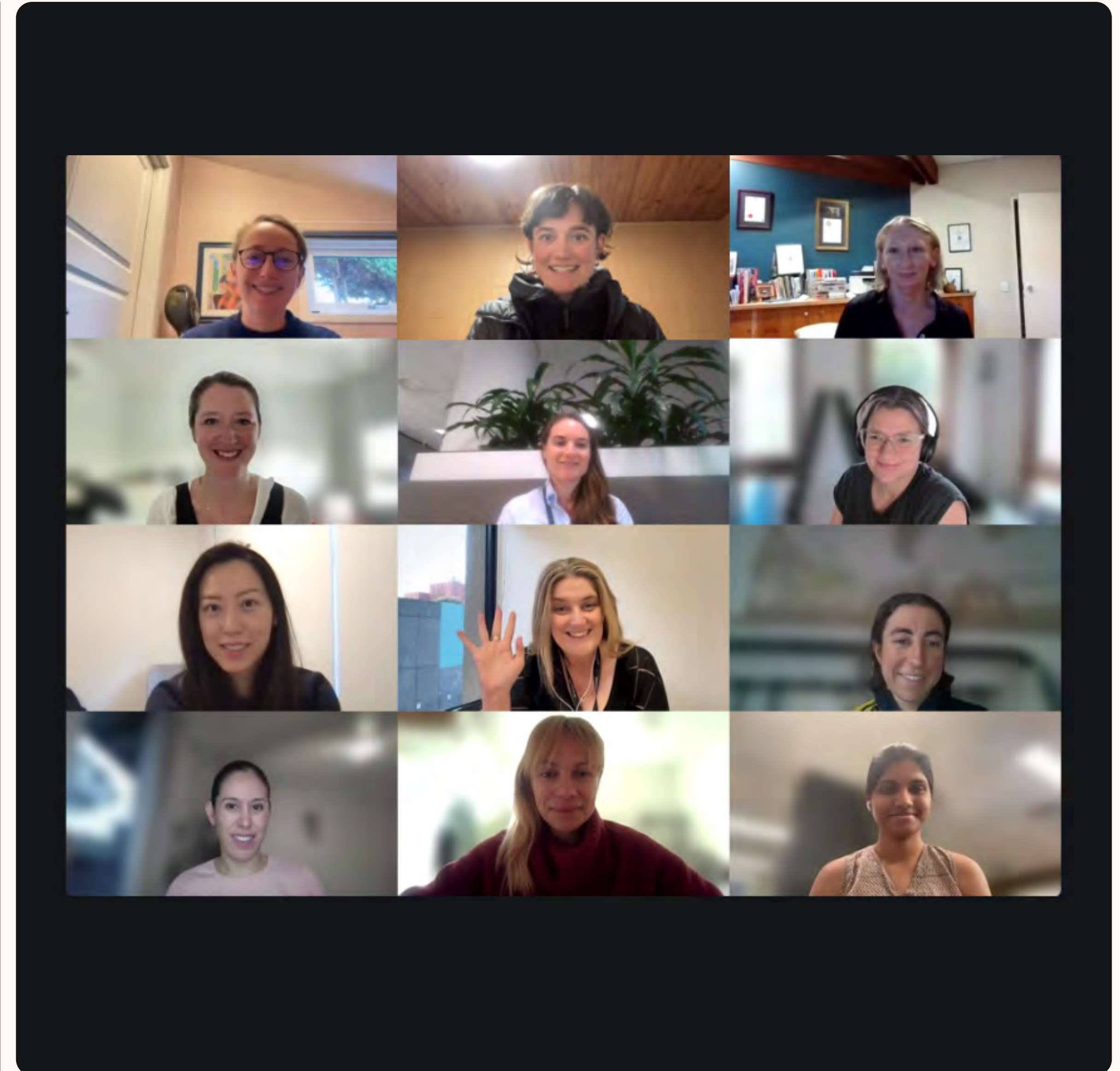
"The WICEF program has been an immersive journey that's validated my understanding of the climate startup ecosystem and given me the confidence to build an impactful solution at my pace. I've learnt that not every startup has to follow the same trajectory or model and there's a solution and investment fit for most problems you're trying to solve. While I might not have all the skills alone to build a solution, I feel ready to take the next step in my entrepreneurship journey and confident that I can find the right partner to compliment my strengths and weaknesses through the Energy Lab network."

Mayleah House
Climate & Nature Specialist



"I came in feeling I already knew a lot about start ups and entrepreneurship, and yet I learnt something new and challenged my thinking in every session. This program demystified the lingo and buzzwords of the start up world and explained in a very digestible way how the investment side of things work. What was most valuable to me, was the network I built and the amount I was inspired by everyone. I didn't come into this program thinking I would start a start up, but left knowing I would."

Ailie Hansen
Product Strategy



Climate Tech Ignite (Ideation)

EnergyLab's Climate Tech Ignite Program continues to connect aspiring entrepreneurs and skilled founders to the resources and mentorship they need to develop a startup idea, craft an impactful value proposition and launch.

- 9** Aspiring founders graduated
- 42** Mentor introductions
- 27%** Increase in how 'well-equipped' participants felt to launch a startup post program
- 100%** 100% of graduates have either already founded or actively plan to launch a startup within the next year.



"This course provided everything needed to transform an idea into a viable business. The diverse guest speakers and mentors from across different industries offered invaluable perspectives that accelerated my learning and helped me avoid common pitfalls in early-stage development"

Raj Murugesan,
2025 Climate Tech Ignite Program Graduate

Climate Tech Lab to Market (Ideation)

EnergyLab's Climate Tech Lab to Market Program is a 9-week journey supporting researchers to explore how their research might be commercialised through entrepreneurship - that is becoming a founder, and launching a startup. In 2025, following an agreement with ARENA, 12 researchers that had been awarded funding from the ARENA TRAC (Transformative Research Accelerating Commercialisation) programs participated in the Lab to Market program, including researchers from the University of New South Wales, Monash University, and the Australian National University.

- 13** Aspiring founders graduated
- 28** Mentor introductions
- 66%** Increase in how 'well-equipped' participants felt to launch a startup post program
- 60%** Of graduates have either already founded, actively plan, or intend to launch a startup within the next two years.

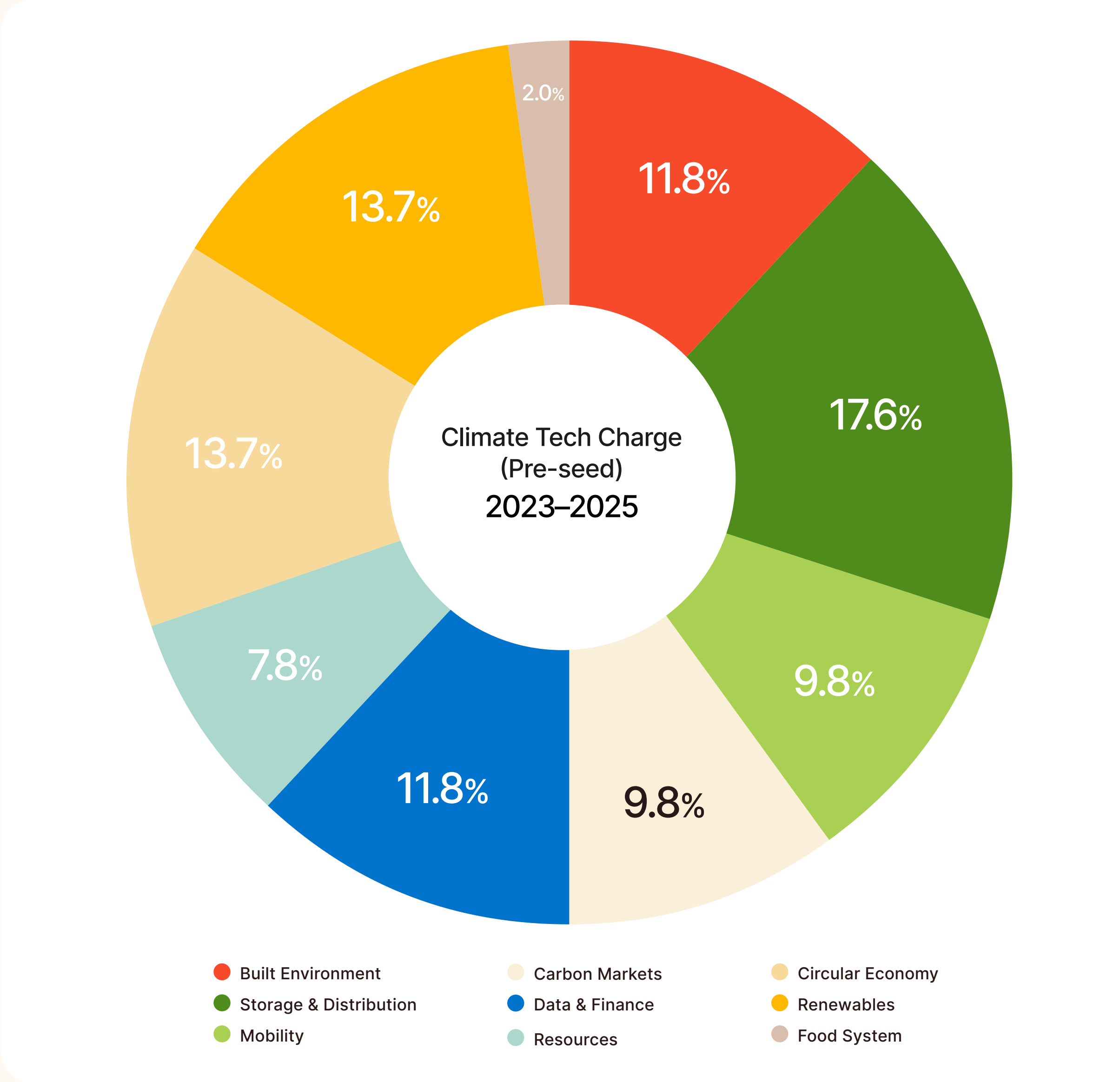
"The Lab to Market program was invaluable in helping us to refine the commercial pathway for our technology. My main takeaway was the importance of aligning technical innovation with customer needs and investor expectations."

Benjamin Tonnot,
2025 Climate Tech Lab to Market Graduate

Climate Tech Charge (Pre-seed)

EnergyLab’s Climate Tech Charge Program is a 12-month program designed to help ambitious early-stage founders build market traction and successfully prepare for fundraising. Founders receive consistent support, weekly expert advice and resources, and mentorship throughout the year to develop, test, and iterate their early stage business.

- 24** Startups
- 59** Founders supported since inception
- 38** Expert led workshops
- 152** Mentor introductions



Charge Program Participant & Alumni include:

Logos of participating startups and alumni: BROWNEE™ (Sustainability in the baking), GRIDSTORE ENERGY, Smartizer, Square by Square, VOLTAVAT, TerraFuse, powerblocks (powerful architecture), Reswitch, and THERMAL DAWN.

QLD Investment Ready Program (Growth)

The Queensland Investment Ready Program is a 12-week program equipping founders with the right tools and know-how to navigate the entire fundraising process, from choosing the right funding pathway, articulating the opportunity to resonate with investors, developing a clear path to growth and impact, understanding term sheet red flags, nailing the pitch, and ultimately closing the deal. The program includes a series of 1:1 investor-meetings for the founders, and finishes with a live pitch event.

- 22** Startups
- 68%** Average improvement in investment readiness
- 155** Unique investor-startup introductions
- 35** Expert-led workshops



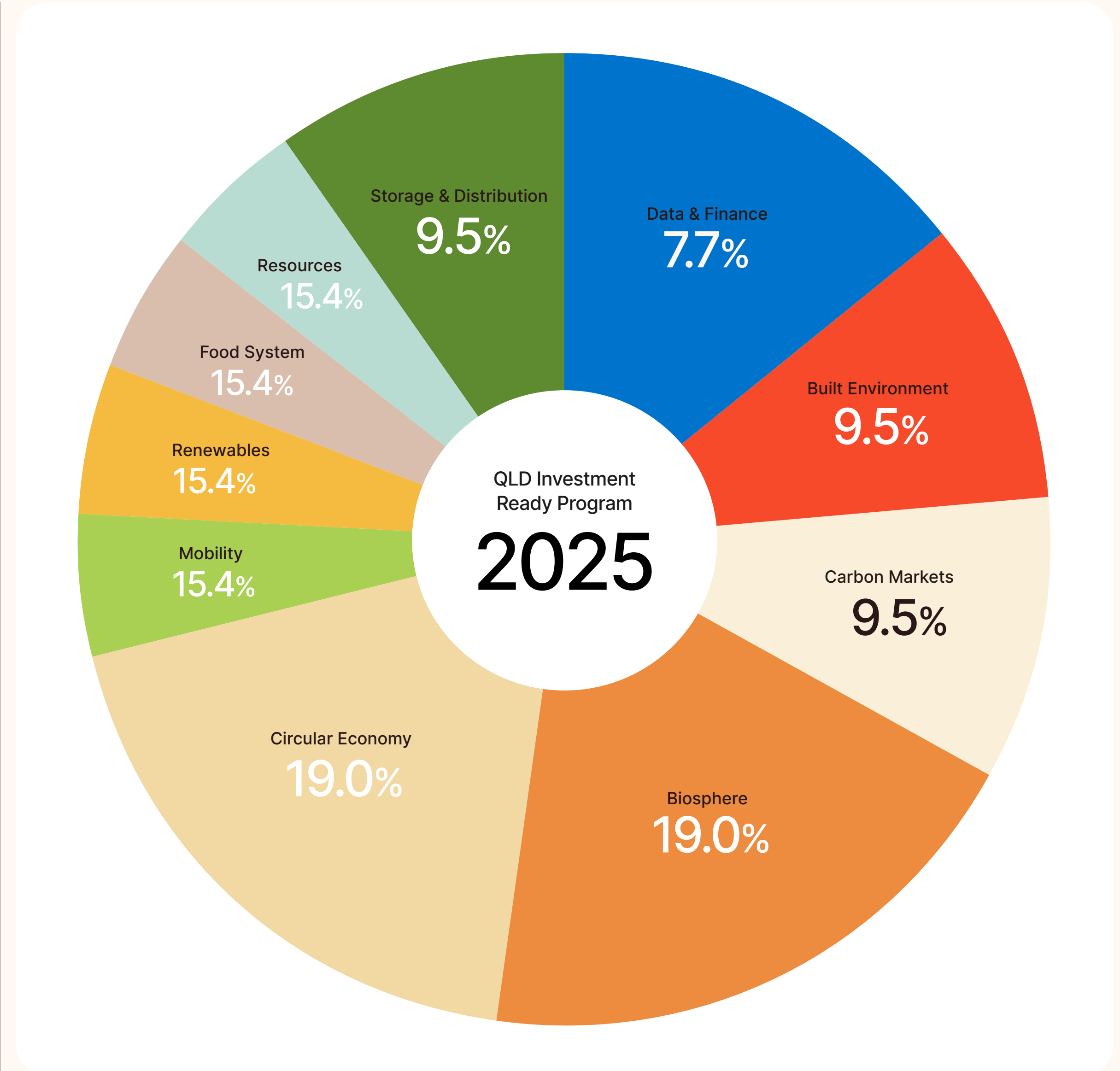
"Investors think differently to other operators, and there's an entire code of rules and norms many founders don't even know they are breaking. This program is practical and extensive, you gain insights into the way investors think, and you get warm introductions to investors who are interested in what you're building."

Kate Bennett
Co-founder, Adaluma Tech



"I learnt more in the 3 months of this program than I did in my first few years of business. The network of mentors and advisors provided access to information and new ways of thinking that I hadn't been exposed to via my own network."

Lee Stoermer
Founder, Envirolapse



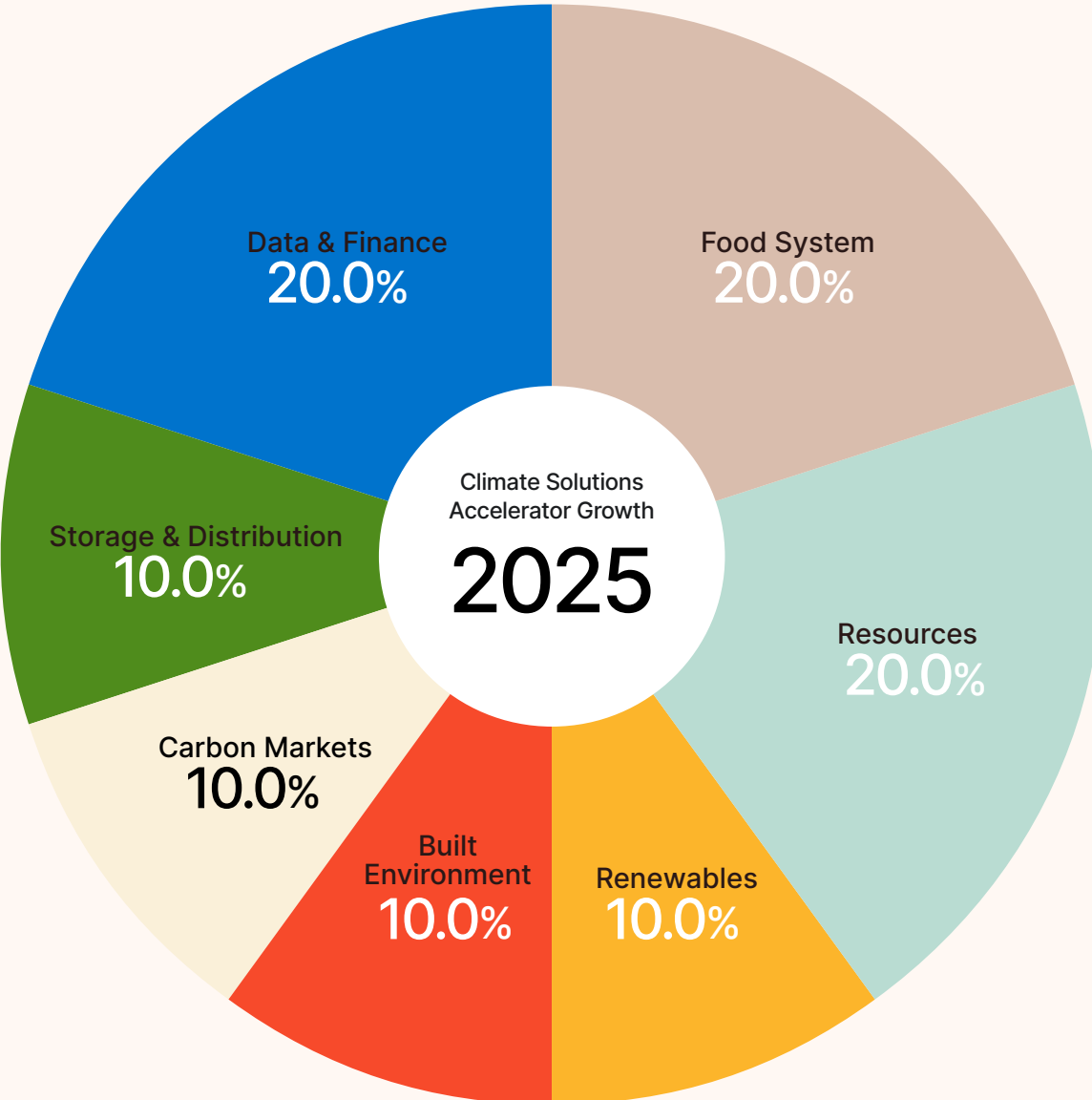
Climate Solutions Accelerator (Growth)

In 2025, The Climate Solutions Accelerator delivered it's 12th cohort. The accelerator is EnergyLab's flagship program, providing leading climate tech startups with the support they need to reach their potential. Open to startups at all stages, this program is for entrepreneurs looking to deploy solutions that mitigate climate change at scale. That could be methane measurement, algae tech, wave powered energy hydrogen-electric aircraft, biochar or anything in between. Through Impact Ventures, startups received an investment from a total fund of \$888k, were introduced to Australia's most active climate tech investors, and had their business growth supported by connections with the EnergyLab network in Australia and internationally. In 2025, the program received a perfect NPS score of 100.



"The EnergyLab Accelerator was an outstanding experience. Our network was opened up and we were offered lots of opportunities to access investors and stakeholders. The relationship with impact ventures was an important source of early funds for us. But most importantly it was run with high energy and a lot of understanding of the pressures the founders are under which was clear in how Beryl and the wider team organised their program and events, to make it easy for us. I would highly recommend this for entrepreneurs who want to make a sustainable difference."

Nick Hazell,
Founder & CEO, Algenie



- 10** Startups
- 128** Mentor Introductions
- 13** Startup introductions to industry
- \$888k** Total Impact Ventures Fund Raised for Climate Solutions Accelerator



Energy Scaleup Program (Scale)

Established in 2020 and having completed its sixth cohort, EnergyLab's Scaleup Program connects leading startups with energy companies to accelerate the deployment of technologies that support the decarbonisation of Australia's electricity grid. Each year, startups from Australia and overseas are selected in collaboration with EnergyLab's industry partners, including distribution and transmission network service providers, energy retailers, renewable energy developers, and government organisations.

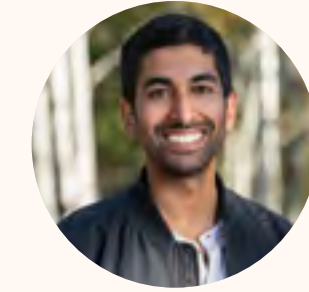
- 9** Startups
- 34** Mentor introduction
- 10** Energy industry participant organisations
- 36** Industry case study attendees
- 45** Startup introductions to industry
- 171** Showcase views




EnergyLab is proud to partner with innovative industry partners like Endeavour Energy.

"Endeavour Energy is proud to continue our partnership with EnergyLab's Scaleup Program as we pursue our mission to decarbonise the grid," said Leanne Pickering, Chief Customer and Strategy Officer at Endeavour Energy.

"Now in our fifth year of collaboration, we remain focused on uncovering innovative, scalable solutions that enhance grid resilience, improve operational efficiency, and support our vision for the grid of the future. We look forward to engaging with this year's EnergyLab cohort – representing some of the brightest minds reimagining energy - and discovering the partnerships that will help turn bold ideas into real-world solutions."



"The EnergyLab experience was a great platform for Rhizome to understand, validate and assess the Australian market ecosystem for both potential customers and partners. The team was always at hand to support and facilitate, we would recommend the experience."

Mishal Thadani,
Co-founder, Rhizome



Going International Bootcamp (Market Expansion)

The Going International Bootcamp is designed to give startups that are ready to focus on developing markets opportunities outside of Australia a broad exposure to a number of international markets through marketing briefings with partners located in international markets and the opportunity to connect with mentors and funders. The program is still underway, with cross border pitches and market briefings early in 2026.

23 Startups Engaged in 2025/26 Program

19 Market Briefings held in 2025/26 Program



2025/26 Market Briefings

- 1 CALIFORNIA
- 2 COLORADO
- 3 NEW YORK
- 4 CHILE
- 5 UK
- 6 GERMANY
- 7 INDIA
- 8 THAILAND
- 9 VIETNAM
- 10 SINGAPORE
- 11 PHILIPPINES
- 12 INDONESIA
- 13 CHINA
- 14 CANADA
- 15 HONG KONG
- 16 JAPAN
- 17 NETHERLANDS
- 18 OMAN
- 19 PERU

Supercharge Australia

Supercharge Australia, a collaboration between EnergyLab and New Energy Nexus, is building a national ecosystem to accelerate lithium battery innovation and enable Australia to capture greater value across the lithium battery supply chain.

Batteries are central to the global energy transition, with lithium playing a critical role. While Australia produces close to 50% of the world's lithium, it currently retains less than 1% of the rapidly growing US\$400 billion annual market, as the vast majority of locally mined lithium is refined offshore. This presents a significant opportunity for Australia to move beyond a 'dig and ship' model and establish leadership across the full value chain from extraction and processing through to advanced battery and electric vehicle manufacturing.

Strengthening domestic capability in this sector delivers clear climate benefits while also supporting job creation and long-term economic growth in Australia. Supercharge Australia aims to drive this transformation through its innovation Challenge series, alongside the launch of the Supercharge Australia Incubator in 2025



"Australia has a once-in-a-generation chance to stand up new businesses operating along the full lithium battery value chain - from rocks to recycling - and create thousands of jobs and economic value while leading the net-zero economy. The economic opportunity won't wait for us. Let's leverage the multibillion-dollar funds available targeting renewables and more manufacturing in Australia to back innovators, build pathways from breakthrough to market, and simplify funding to unlock the opportunity,"

Megan Fisher,
CEO EnergyLab

Supercharge Australia alumni includes:



Supercharge Australia Innovation Challenge

Supercharge Australia welcomed 9 new startups into its third annual innovation challenge. The Challenge highlights innovative founders in the lithium battery value chain, advancing solutions across critical minerals, battery materials, energy systems and electrified transport for a fully renewables-powered industrial economy. The challenge was won by Liberate Minerals, for its high-efficiency, low-emissions extraction process designed to dramatically increase yield percentage and diversity, reduce energy use, operating costs and environmental intensity across Australia and the world's emerging green-industrial regions.

Liberate Minerals' team will receive a hosted tour to any of New Energy Nexus' global office locations that can best accelerate the growth and sustainability of their innovation.

Two teams received Top Choice Awards for outstanding technical and commercial promise: Next-Gen Energy Technology, recognised for its next-generation NCA cathode material platform that significantly boosts energy density, enhances thermal stability, and enables scalable, low-cost Australian cell manufacturing.

Green Dynamics, awarded for its AI-driven materials discovery and engineering platform accelerating the development of next-generation battery and energy-storage materials through high-throughput simulation, machine-learning optimisation and automated experimentation.

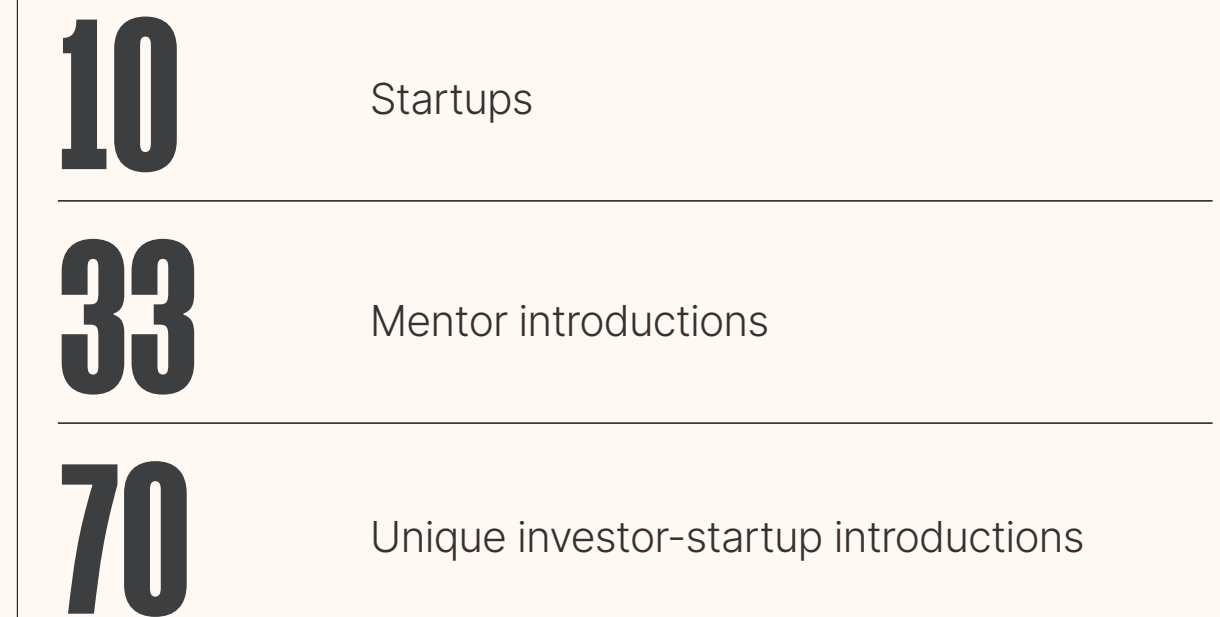
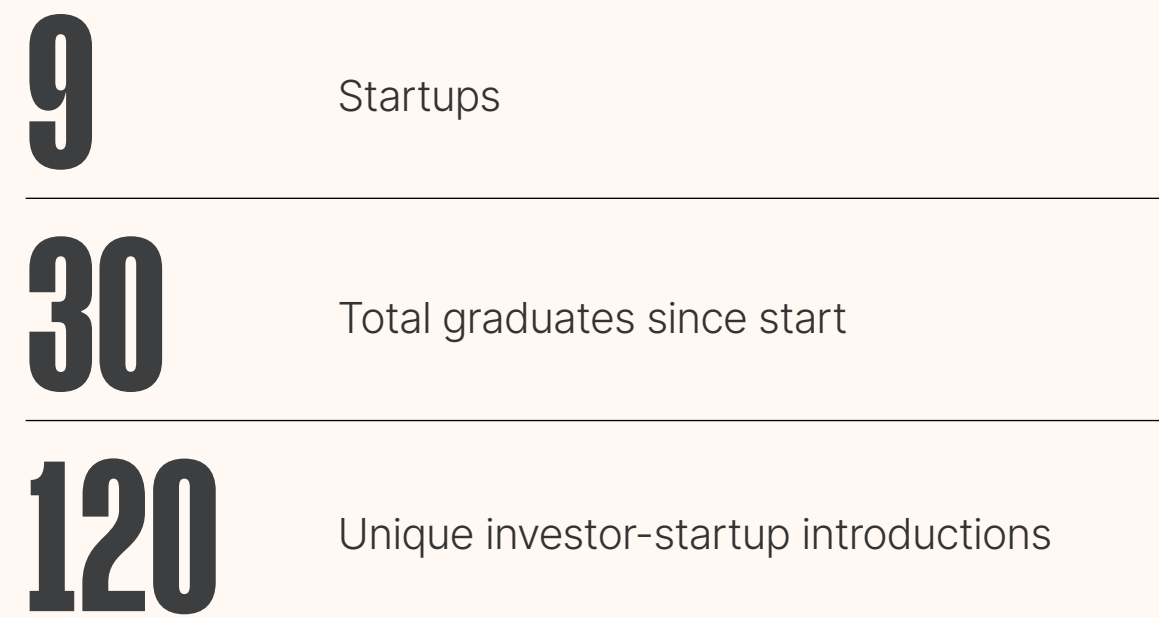
The audience-voted People's Choice Award went to UEG Energy, reflecting strong peer and industry backing for its urban, grid-scale storage solutions, supporting rapid electricity distribution network decarbonisation with greater contingent benefits for both the networks and surrounding communities.



Supercharge Australia Incubator

Launched in 2025, the new Supercharge Australia incubator supports startups across the lithium battery value chain with the expertise and resources needed to commercialise their innovations.

The program offers customised workshops, hands-on mentorship, targeted networking opportunities, and access to prototyping capabilities. This enables founders to strengthen their business models, scale effectively, and attract investment.



TECHNOLOGY TAXONOMY MAPPING

Technology Taxonomy Mapping 26

Sample of EnergyLab Alumni (2017 - 2025)
by Taxonomy Vertical 27

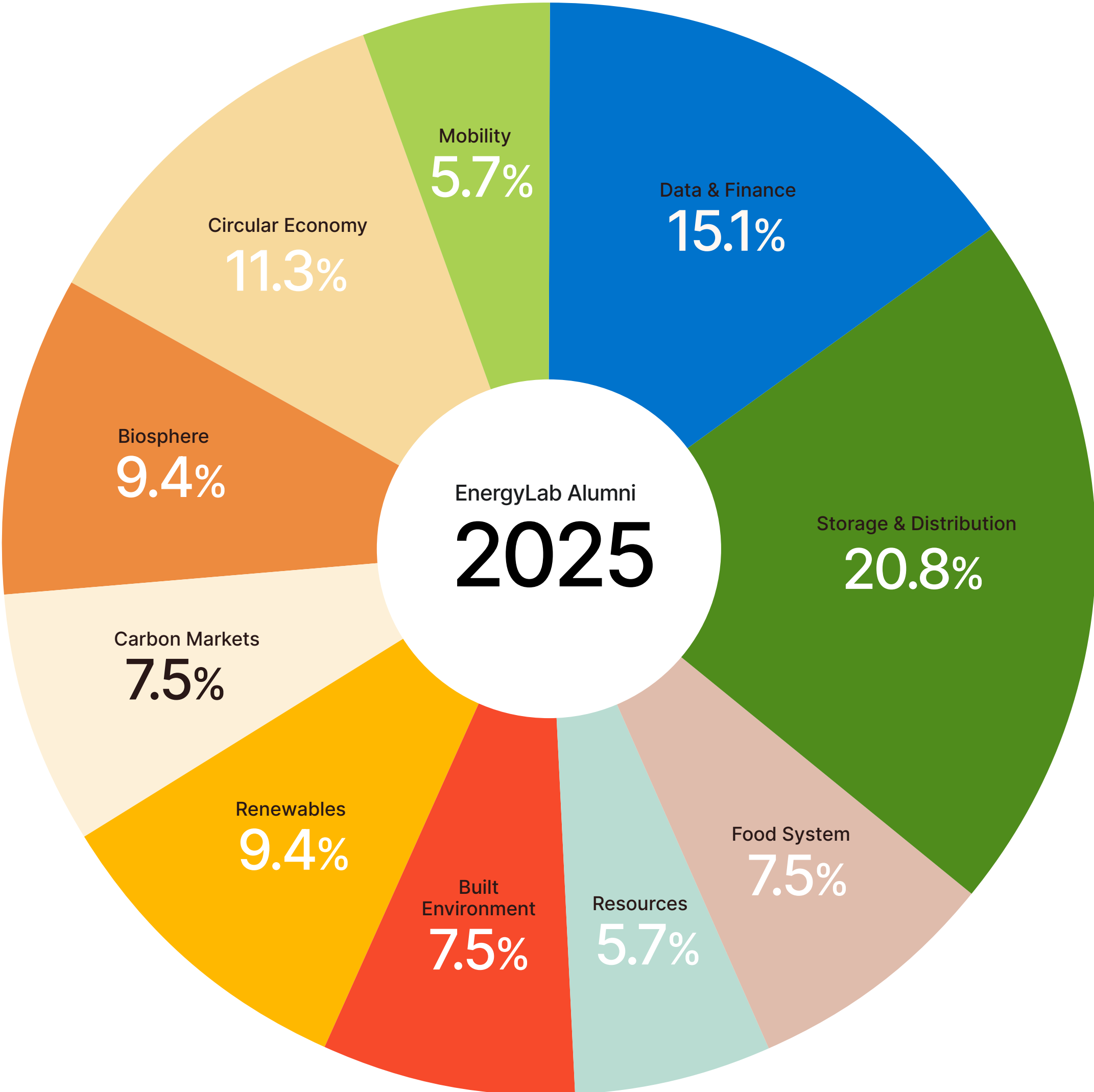
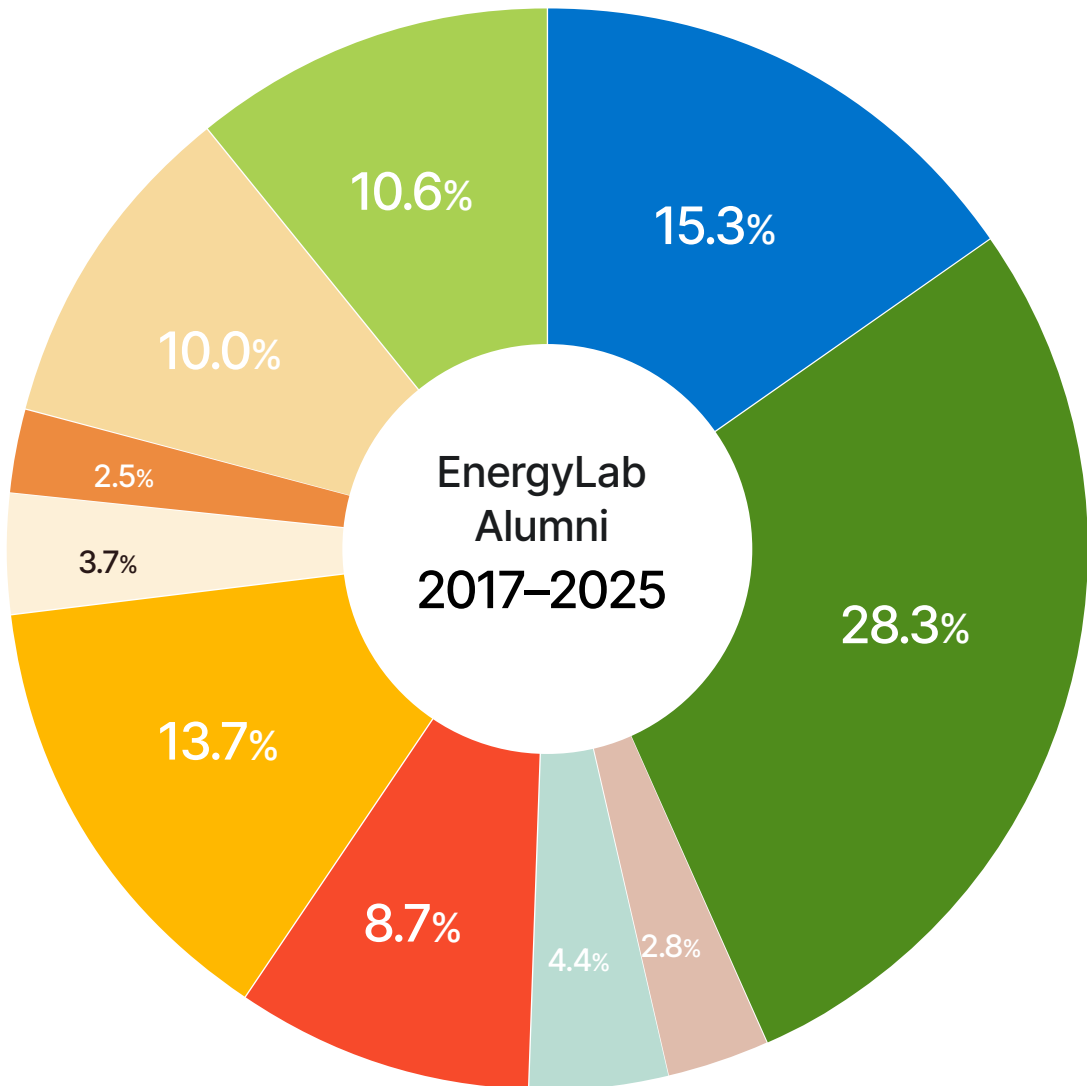


Technology Taxonomy Mapping

Leveraging the Holon IQ Climate Tech open source taxonomy, here is the breakdown of the technology focus of the startups EnergyLab has supported in 2025.

Our 2025 data reveals a definitive shift. While storage remains our largest vertical, the growth in Biosphere and Data & Finance startups demonstrates that EnergyLab is now supporting a more diverse decarbonisation stack - from the physical infrastructure to the intelligence layer that runs it.

*EnergyLab would like to note that taxonomy is not an exact science. As market needs evolve, startups emerge that don't neatly fit into predetermined categories.



Subset of EnergyLab Alumni (2017-2025) by Taxonomy Vertical

STORAGE & DISTRIBUTION



MOBILITY



RESOURCES



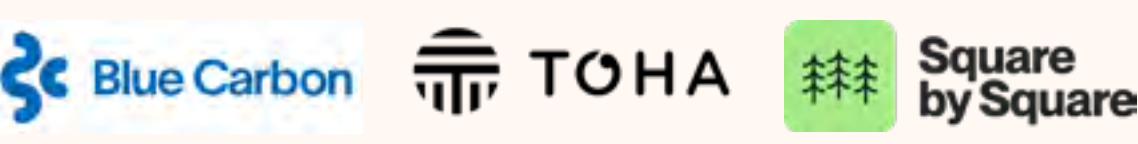
CARBON MARKETS



RENEWABLES



BIOSPHERE



FOOD SYSTEM



BUILT ENVIRONMENT



DATA & FINANCE



CIRCULAR ECONOMY





COMMUNITY & ECOSYSTEM

Community & Ecosystem	29
Locations & Facilities	30
Events	31
EnergyLab Startup Showcase	32
Get Involved & Help Fund Our Work	33

Community & Ecosystem

It is the strength of the climate tech community that continues to propel EnergyLab forward. As our ecosystem expands to include new mentors, angel investors and venture capital partners, the depth and quality of support available to startups continues to accelerate. EnergyLab is committed to building a robust network of experts and funders to help founders scale their ventures and accelerate growth

Without the EnergyLab ecosystem offering their expertise, connections and investment funds, EnergyLab startups would not be as successful as they are. Thank you!



+16	New Angel Investors
245	Angel Investors
+60	New Mentors
457	Mentors
+93	New Startup & Aspiring Founder Alumni
537	Startup & Aspiring Founder Alumni



Partner Highlight



CLIMATEKIC
Australia

Climate-KICAustralia, a valued partner of EnergyLab since 2017, is a national initiative dedicated to accelerating climate action by driving systems-level innovation and collaboration across Australia's climate ecosystem. Established to inspire and enable coordinated climate solutions, it brings together a diverse network of industry, government, research, finance and civil society partners to address complex climate challenges through collective action.

ClimateLaunchpad program:

In 2025 EnergyLab helped to deliver the Climate-KIC ClimateLaunchpad Australia program, in collaboration with Climate-KIC Australia and Boomerang Labs, is the world's largest early-stage cleantech innovation program. EnergyLab supported the delivery of the Australian program, helping early-stage climate founders refine their ideas through mentorship, training, and pitch development.

The program culminated in National and Asia-Pacific finals, providing startups with international exposure and pathways to global markets. Three Australian startups made it through to the Asia-Pacific Regional Finals, with Australian startup griffin Research going on to pitch in the world finals in Vienna.

Locations & Facilities

SYD

At the start of 2025 EnergyLab was pleased to unveil its new Sydney coworking space, now open on level 2 of UTS Building 5B at 1-59 Quay Street, Haymarket. Located within the University of Technology Sydney (UTS), this purpose-built space offers a central meeting point for climate technology startups to grow, connect and collaborate within the city, offering hot desks, private team offices, end of trip facilities, event spaces and more.



MEL

EnergyLab is excited to collaborate with RMIT Activator in a partnership focused on supporting founders developing impactful low-carbon solutions and strengthening resilient and sustainable communities.

As part of this collaboration, EnergyLab's Melbourne team is now based with the RMIT Activator coworking space. This shared environment creates new opportunities to deliver expert guidance, founder coaching, and keynote engagement for our growing network of innovators and entrepreneurs.

BRI

Based at The Precinct in the centre of Fortitude Valley, startups in the QLD Investment Ready program gain access to a dynamic startup hub and the opportunity to work closely alongside the EnergyLab team within Brisbane's innovation ecosystem.



Our partnership with UTS is a cornerstone of our success. EnergyLab's partnership with the University of Technology Sydney (UTS) has been a key enabler of our success since starting in 2017. Headquartered on the UTS campus, we're surrounded (physically and virtually!) by leading experts and research agendas across fields including science, technology, engineering and entrepreneurship; all vital to the development and deployment of climate and clean energy technology.

Events

2025 was another big year for the EnergyLab events calendar. Over the course of the year, EnergyLab ran 36 events across 3 states, ranging from industry panels to cohort launches to sustainable buildings, to covering female investment, pitch fests, and co-founder match events and more. Across these 36 events 2240 attendees engaged with the EnergyLab climate tech ecosystem.

The office launch in February saw over 120 people from across the ecosystem in attendance to support the next chapter of EnergyLab in the new space.

EnergyLab also hosted events for partners, organisations and individuals in the climate ecosystem.

2240

People engaged in EnergyLab events in 2025

36

Events run in total in 2025



EnergyLab Startup Showcase

The EnergyLab Startup Showcase returned to All Energy for the fourth year running, this year with 1100+ conference guests coming to visit the EnergyLab theatre.

The showcase included two packed days of programming with sessions including:

- Demos & Espressos to kick off each morning
- Breakthrough Collaborations: Industry Innovation with Startups
- Battery Innovation & the Australian Lithium Opportunity
- Future Horizons: How startups are shaping Australian Energy Innovation
- Industrial Decarbonisation
- A LIVE A Positive Climate Podcast featuring Relectrify & host Nick Zeltzer

The showcase was capped off with two pitch events and innovation networking drinks.

EnergyLab would like to thank the 2025 sponsors of the EnergyLab Startup Showcase:

Major Sponsors: Melbourne Climate Network & Virescent Ventures

General Sponsors: Ackama & Australian Renewable Energy Agency (ARENA)

And of course RX Global and All Energy Australia who make it all possible!



Get Involved



Are you a mentor, investor, founder, aspiring founder, angel or just want to get involved in the Climate Tech Ecosystem?

Help us support high potential startups and talented founders to scale, develop and deploy their technologies to battle the global climate crisis. We can't do this without you - join our mission to decarbonise the planet.

Help fund our work



Donate to EnergyLab to support founders and startups working on decarbonising the planet.

Your donation significantly contributes to running EnergyLab. This will be allocated directly to running current or expanded services supporting aspiring founders and startups with the connections and expertise they need to scale.'

Did you know EnergyLab is a registered charity? Donations like yours are a critical part of keeping us going and any donation over \$2 is tax deductible in Australia.



THE TEAM

The Team

35



CEO & DIRECTOR



Megan Fisher

DIRECTORS



Danny Kennedy



James Tilbury



Megan Fisher



Nick Lake



Piers Grove (chair)

TEAM



Audun Fiskrud
Program Lead
Investment Ready
Startups



Beryl Visser
Program Lead
Accelerator & Angel
Network



Derrick Gyabeng
Program Lead
Supercharge Australia



Luke Vanderzeil
Community Manager



Lara Ruetsch
Program Lead
Early stage startups

IMPACT VENTURES



Adam Skan
Investment Manager



Milly Young
Program Lead
WICEF



Sam Wood
Strategic Initiatives Lead



Tom Kloosterman
Program Lead
Program Lead, Scaleup &
Mentor Network

NEW ENERGY NEXUS



Kirk McDonald
Project Manager
Supercharge Australia

PARTNER/SUPPORT ACKNOWLEDGMENT

Partner/Support Acknowledgment

37



Thank you to
Partners & Supporters

