

 @AuBatterySummit

 Australian Battery Summit

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AUSTRALIAN BATTERY RECYCLING & MANUFACTURING

EVENT GUIDE

SUMMIT

31 August 2023

Hilton Sydney, Australia

www.australianbatterysummit.com

Organised by



Association for the Battery Recycling Industry

batteryrecycling.org.au



WELCOME

Thanks for joining us at ABRI's inaugural Australian Battery Manufacturing and Recycling Summit.

It is an important time for both the recycling and manufacturing sectors in Australia – in particular when our activities are benchmarked against developments on the global stage. We are excited to have an expert line up of speakers who represent a wide cross section of stakeholders.

The discussion on how the Australian battery industry can capitalise on current opportunities, develop new opportunities and reduce operational & regulatory challenges is important. The industry is a keystone sector for the battery circular economy, manufacturing, renewable energy and critical minerals security in the move to net zero emissions. It will take all sector participants and regulators to work in combination to support a safe, sustainable and smooth acceleration in battery recycling and repurposing capacity and capability, in addition to developing sovereign manufacturing capabilities.

The trailblazing organisations across the Australian battery value chain attending this Summit recognise the investment and work needs to happen today to be future ready. Attendees today represent the entire battery value chain and all the main chemistries. It is a truly diverse audience who have come together to collaborate and build a successful and future looking industry. Sharing learnings and networking is a core pillar of ABRI's offering to members and one of the areas where we are planning to deepen our expertise and offering as an Association in the coming 12 months.

Finally, we would like to thank our sponsors for their endorsement of this, our first, conference. Their backing and encouragement is greatly appreciated including the significant work that a number of them have also dedicated to bring today to reality.

Katharine Hole
Chief Executive Officer

Nicholas Assef
President

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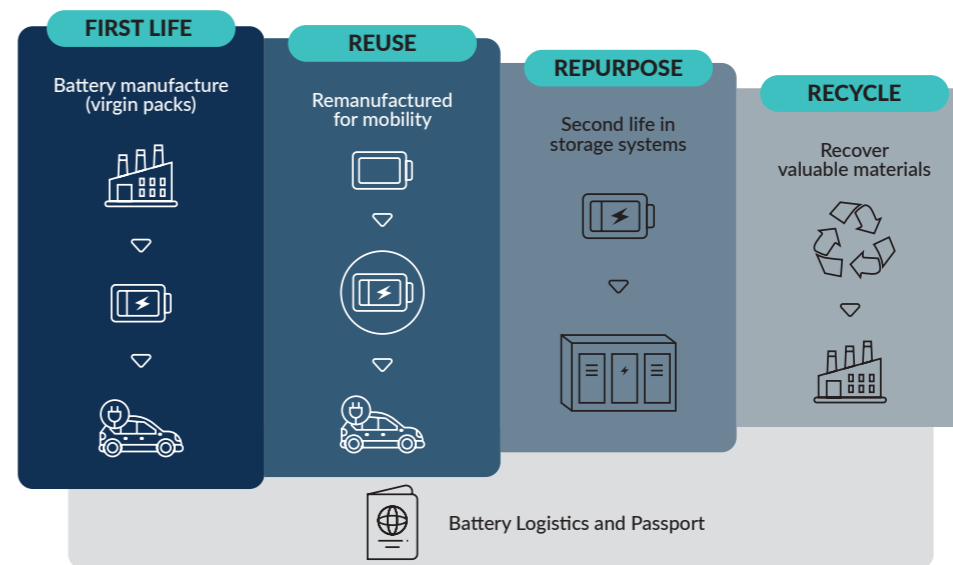


Networking Drinks



CREATING A CIRCULAR ECONOMY FOR EV & HYBRID BATTERIES

Infinitev draws on forty years of expertise in the sustainable automotive manufacturing industry. Our commitment to innovation and sustainability drives us to invest heavily in battery engineering and R&D. Today, we provide value-add engineering services to EV and hybrid battery manufacturers in Australia and New Zealand.



At Infinitev, our business is structured into three interacting segments, each contributing to our overall mission. Firstly, we specialise in hybrid battery building and fitting, ensuring efficient and reliable batteries for vehicles. Secondly, we rebuild and reuse electric vehicle (EV) batteries, extending their lifespan. Lastly, we offer energy storage solutions, repurposing batteries that can no longer be used in their original applications.

When batteries reach the end of their life, we responsibly recycle them to recover valuable materials. By implementing this comprehensive approach, Infinitev effectively circulates products and materials at their highest value, minimising waste and contributing to a cleaner environment.

Our dedication to sustainable practices, coupled with our expertise in the automotive industry, allows us to offer innovative solutions that promote a circular economy and create a sustainable Australia in an affordable way.



Infinitev is a member of the following groups:



SPEAKERS



Martijn Wilder AM
Chairman
**National
Reconstruction
Fund**



Adam Best
*Principal Research
Scientist*
CSIRO



Phil Crotty
Managing Director
LG Energy Solution



**Stuart
Blackadder**
Director, Equity
**Northern Australia
Infrastructure
Facility (NAIF)**



**Matt
Baumgurtel**
*Partner & Energy
Lead*
Hamilton Locke



Rebecca Barnes
*National Grants
Manager*
RSM Australia



Pat Behan
*National Renewable
Energy Leader*
AON



Dominic Spooner
*Chief Executive
Officer*
Vaulta



Libby Chaplin
*Chief Executive
Officer*
**Battery Stewardship
Council**



Prof Scott Donne
*Professor of
Electrochemistry &
Energy Storage*
**University of
Newcastle**



Laura Hubbard
*Managing
Consultant, APAC*
Wood Mackenzie



Nancy Chang
*Executive Director,
Strategy & Policy*
**NSW Environment
Protection
Authority**



Lachy Haynes
*Energy Transition
Partner*
PwC Australia



**Prof Deepak
Dubal**
*Academic Lead
International &
Engagement*
**Queensland University
of Technology**

SPEAKERS



Ben Pritchard
Manager, Customer Solutions
Envirostream



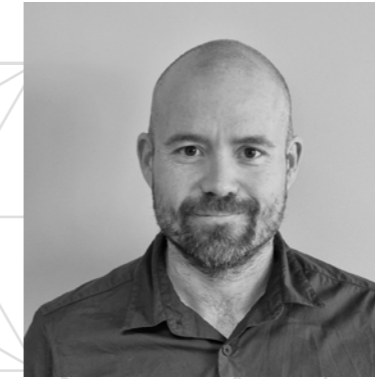
Dickson Leow
General Manager
Infinitev



Sam Maresh
Former President
General Electric Australia



Dr Karl Baltpurvins
Chief Executive Officer
Pure Environmental



Matt Arkell
Principal Technical Advisor - Dangerous Goods
NSW Environment Protection Authority



Rose Webb
Chair, National Regulators Community of Practice
Aust-NZ School of Government (ANZSOG)



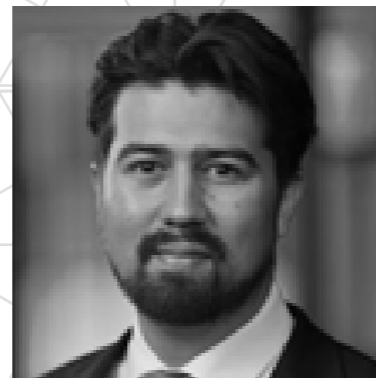
Jason Faulkner
Managing Director
Australis Ventures



Nicholas Assef
Founder & Chief Executive Officer
Battery Pollution Technologies



Greg Leach
Founder & Chief Executive Officer
Blockhead Technologies



Daniel Thompson
Partner
Johnson, Winter, Slattery



Joe Brereton
Associate Director
LCC Asia Pacific



Dr Frank Mendham
Director
Mendham Consultants



Peter Colacino
Principal
Modifca Advisory



Luan Atkinson
Chief Executive Officer
Renewable Metals



Penelope Crossley
Associate Professor of Energy and Resources Law
The University of Sydney Law School



Katharine Hole
Chief Executive Officer
Association for the Battery Recycling Industry

0900 Welcome Remarks



Katharine Hole
Chief Executive Officer
Association for the Battery Recycling Industry

0910 Keynote Presentation



Martijn Wilder AM
Chairman
National Reconstruction Fund

AUSTRALIA IN 2030 – THE OPPORTUNITY FOR BATTERY RECYCLING AND A CIRCULAR ECONOMY

0930 Lead Presentation: Energizing the Future: Battery Recycling Market Outlook and Opportunities



Laura Hubbard
Managing Consultant, APAC
Wood Mackenzie

0950 Panel Discussion



Nicholas Assef (Session Chair)
Founder & Chief Executive Officer
Battery Pollution Technologies



Prof Scott Donne
Professor of Electrochemistry & Energy Storage
University of Newcastle



Sam Maresh
Former President
General Electric Australia



Ben Pritchard
Manager, Customer Solutions
Envirostream



Peter Colacino
Principal
Modifca Advisory

1045 Refreshments Break

1100 Panel Discussion: Looking at Tomorrow Today – Research & Technology Insights



Nicholas Assef (Session Chair)
Founder & Chief Executive Officer
Battery Pollution Technologies



Prof Scott Donne
Professor of Electrochemistry & Energy Storage
University of Newcastle

1100



Prof Deepak Dubal
Academic Lead International & Engagement
Queensland University of Technology



Greg Leach
Founder & Chief Executive Officer
Blockhead Technologies

LEADERSHIP AND ROADBLOCKS IN DEVELOPING AUSTRALIA'S BATTERY RECYCLING CAPABILITY

1145

Panel Discussion



Ben Pritchard (Session Chair)
Manager, Customer Solutions
Envirostream



Adam Best
Principal Research Scientist
CSIRO



Libby Chaplin
Chief Executive Officer
Battery Stewardship Council



Dickson Leow
General Manager
Infinitev



Phil Crotty
Managing Director
LG Energy Solution



Dr Frank Mendham
Director
Mendham Consultants

LUNCH PRESENTATION

1300

Presentation: A Circular Future for Batteries - The Essential Roadmap for Decarbonisation



Libby Chaplin
Chief Executive Officer
Battery Stewardship Council

BATTERY CIRCULAR ECONOMY

1330

Presentation: Value-add Engineering in the EV Battery Circular Economy



Dickson Leow
General Manager
Infinitev

1400 Presentation: NSW EPA Policies and Programs to Support the Battery Circular Economy



Nancy Chang
Executive Director, Strategy & Policy
NSW Environment Protection Authority

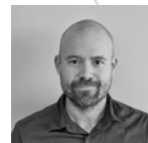
REACHING MATURITY IN OUTCOMES FOCUSED REGULATION

1430 Panel Discussion



Matt Baumgurtel (Session Chair)
Partner & Energy Lead

Hamilton Locke



Matt Arkell
Principal Technical Advisor - Dangerous Goods
NSW Environment Protection Authority



Penelope Crossley
Associate Professor of Energy and Resources Law
The University of Sydney Law School



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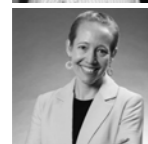
1515 Refreshments Break

AUSTRALIAN AND INTERNATIONAL INVESTMENT LANDSCAPE

1530 Panel Discussion: Emerging, Early Stage & Start up Sector – Grants, Challenges and Opportunities



Jason Faulkner (Session Chair)
Managing Director
Australis Venturess



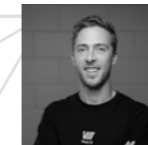
Rebecca Barnes
National Grants Manager
RSM Australia



Luan Atkinson
Chief Executive Officer
Renewable Metals



Daniel Thompson
Partner
Johnson, Winter, Slattery



Dominic Spooner
Chief Executive Officer
Vaulta

1615 Panel Discussion: Investment Opportunities and Challenges in the Mature Recycling Market



Laura Hubbard (Session Chair)
Managing Consultant, APAC
Wood Mackenzie



Stuart Blackadder
Director, Equity
Northern Australia Infrastructure Facility (NAIF)



Joe Brereton
Associate Director
LCC Asia Pacific



Lachy Haynes
Energy Transition Partner
PwC Australia



Dr Karl Baltpurvins
Chief Executive Officer
Pure Environmental

1700 Closing Remarks



Katharine Hole
Chief Executive Officer
Association for the Battery Recycling Industry

1705 - 1830 Networking Drinks at Zeta Bar

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Infinitev is creating a circular economy for EV batteries.

Our vision is simple. Electric vehicles and battery storage are at the centre of the world meeting its climate targets. But the environmental impact of battery disposal is costly. With cutting-edge R&D at our core, Infinitev is leading the charge towards reusing, repurposing, and recycling EV batteries infinitely.

With over four decades of expertise in automotive electronics, we provide value-add engineering services to EV and battery manufacturers in Australia and New Zealand. When faced with a failing EV battery, simply call Infinitev, and we'll take care of the entire process – whatever your requirements may be for maximizing the lifetime value of the battery.

Our commitment to innovation and sustainability drives us to invest heavily in battery engineering and R&D. This dedication enables us to offer a comprehensive range of battery lifecycle management services that encompass:

- Logistics management and orchestration of safe transport of EV batteries
- Preparing retired EV batteries for end-of-life processing
- EV warranty battery storage and maintenance, meeting manufacturer specifications within our state-of-the-art temperature and humidity-controlled facility
- SafetyCheck: thorough physical and electrochemical safety inspection of EV batteries
- HealthCheck: in-depth diagnostics of battery system health or failure
- Rebuilding EV batteries for use as traction batteries

Infinitev is your ultimate partner in achieving the maximum potential of EV batteries through reuse, repurposing, and recycling. Together, let's create a sustainable future.

www.infinitev.au



The Battery Stewardship Council was established in 2018 to bring together players from across the battery supply chain to ensure that a robust and well-designed battery stewardship scheme is established. Our mission is to facilitate accessible battery recycling services for consumers in metropolitan and regional areas of Australia through our industry-led B-cycle battery recycling Scheme.

www.bsc.org.au



B-cycle launched in 2022 by the Battery Stewardship Council (BSC) and is supported by the Commonwealth and all State and Territory Governments and authorised by the Australian Competition and Consumer Commission (ACCC). It is Australia's first nationwide, government-backed Battery Stewardship Scheme. A not-for-profit organisation established for the purpose of recycling used batteries, B-cycle is the safe and simple way to help build a world where no battery goes to waste.

www.bcycle.com.au

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LCC Asia Pacific is a boutique, award winning investment banking & strategic advisory firm that specialises in the energy transition and engineering innovation sectors.

Since 2004 LCC has assisted its clients with their most challenging corporate issues – including capital raising, mergers & acquisitions advice, proprietary research, business planning and growth oriented strategy consulting.

www.lccasiapacific.com

SILVER SPONSORS



Envirostream is the only onshore, mixed-battery recycling facility in Australia with the integrated capacity to collect, sort, shred and separate all the components of spent Li-ion and single-use alkaline batteries. As a subsidiary of Lithium Australia, the battery supply chain innovator, Envirostream aims to assist in the establishment of a circular battery economy. Ongoing improvements ensure our processes are safe and sustainable, and we acknowledge and support the corporate environmental, social and governance responsibilities being embraced by many in the battery industry globally.

www.envirostream.com.au



Lithium Australia is an Australian Stock Exchange listed Company (ASX:LIT) with passionate people delivering customer focused solutions for the lithium-ion circular battery materials industry that will accelerate global electrification.

We will do this through lithium-ion battery recycling, development of leading-edge cathode active materials for e-mobility and energy storage applications, and through the development of other novel technology solutions, such as the lithium extractive processing technology LieNA®.

www.lithium-au.com

BRONZE SPONSOR



We are an industry leader in providing innovative resource recovery solutions and management programs. Our world-class lead recycling facility is located at Wagga Wagga in New South Wales. We use advanced recycling technology to convert Used Lead Acid Batteries (ULAB) into lead, polypropylene and sodium sulphate for re-use.

www.enirgipowerstorage.com.au

SUPPORTING SPONSORS



Battery Pollution Technologies is an Australian startup advancing technology and innovation in the battery recycling, battery hazard management and 2nd life battery energy storage sectors.

Central to the business is the development of combined pre treatment and proprietary hydrometallurgy technologies for the effective separation of Black Mass to recover valuable battery metals.

www.batterypollution.com



Lex Enviro Services are one of Australia's largest independent used battery collectors. We are based in Western Sydney, NSW but have a collection network servicing ALL states, nationally.

Our client base is drawn from the Automotive/marine, material handling, facilities management, waste management sectors and more. We specialise in medium to large contracts and deal directly with manufacturers, distributors and retailers, as well as state and Federal authorities. We have a long history of international trading, brokerage, collection and export of all used ferrous and non-ferrous metals, and have over twenty years' experience in providing solutions and services to the Australian recycling industry.

www.lexenviro.com

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