FY22 Results Presentation

Full Year Results to 30th June 2022

December 2022





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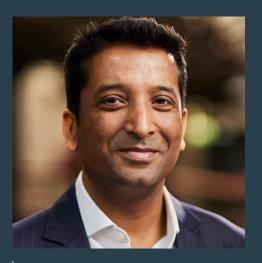
Presentation Team



Steve Mahon
Non-Executive Chairman



John Wood



Amit Gupta
CFO & Executive Director



Thomas Maschmeyer
Non-Executive Director,
Founder & Principal Technology Advisor

Mission

To provide global energy storage solutions that are robust, safe and affordable with low environmental impact, enabling the supply of clean power for all.

Through our breakthrough battery technology, we aim to place Gelion right at the centre of this clean energy transformation.



UN Sustainability Development Goals



Goal 6
Clean Water
and Sanitation



Goal 7
Affordable &
Clean Energy



Goal 9
Industry,
Innovation &
Infrastructure



Goal 11
Sustainable Cities &
Communities



Goal 12
Responsible
Consumption &
Production



Goal 13 Climate Action

Operational and Financial Highlights, delivering on strategy

Key Progress



Establishing the senior team required to grow the business



Prove the cell transition from lab to pilot production



Pilot manufacturing plant commissioned ahead of schedule



Acciona Energia selection (trial)



Substantial acceleration of Lithium Silicon Sulfur technology

Financial Highlights

£1.7m

Total income

(2021: £1.6m)

£4.1m

Adjusted EBITDA loss¹

(2021: £1.5m)

¹ Excludes listing and other associated costs (£4.7m), which are non-recurring in nature

Nil

Debt

(2021: Nil)

£17.0m

Cash and cash equivalents and term deposits

(2021: £1.9m)

£4.5m

Adjusted loss after taxation¹

(2021: £1.8m)

9.2p

Loss per share

(2021: 2.0p)

An Exceptional Team





Our Business





Award-Winning Technology



Awards for Gelion & Technology Founder Thomas Maschmeyer

2021

Australian Academy of Science David Craig Medal >

2020

<u>Australian Prime Minister's Prize</u> for Innovation in Science >

Ranked #15 in World's leading Chemists 2010 — 2020 >

<u>Times Higher Education Top Ten</u>
'Academics Who Mattered in 2020' >

AFR Higher Education Award in Sustainability >

2019

<u>European Industrial Energy Enlightenment Award ></u>

<u>Federation of Asian Chemical Societies'</u> <u>Contribution to Economic Development Award ></u>

2018

<u>CSIRO Eureka Prize for</u> <u>Leadership in Innovation and Science ></u>

RACI R.K. Murphy Medal >

Stationary Energy Storage Opportunity

It all started with the ARRA Stimulus Funding for Storage Demonstration Projects in 2009.

A ten-fold increase in Power Scale!

Large Battery System 3 projects, 53MW
Compressed Air 2 projects, 450MW
Frequency Regulation 20MW
Distributed Projects 5 projects, 9MW
Technology Development 5 Projects



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Lead-Acid (PbA) Batteries

Market Size





\$38

Billion



Market Growth at a steady increase ~2% CAGR 490GWh (2030)





Lithium-ion Batteries

Market Size



230 GWh



\$49

Billion



VS

~\$110B₇

Market Growth will ACCELERATE at ~46% CAGR 1.3TWh (2030)





Source: AVICENNE Energy, BOI Information (Confidential)

Lead-Acid (PbA) Batteries





Market Growth at a steady increase ~2% CAGR 490GWh (2030)



1.6v cells for Acciona system

Lithium-ion Batteries









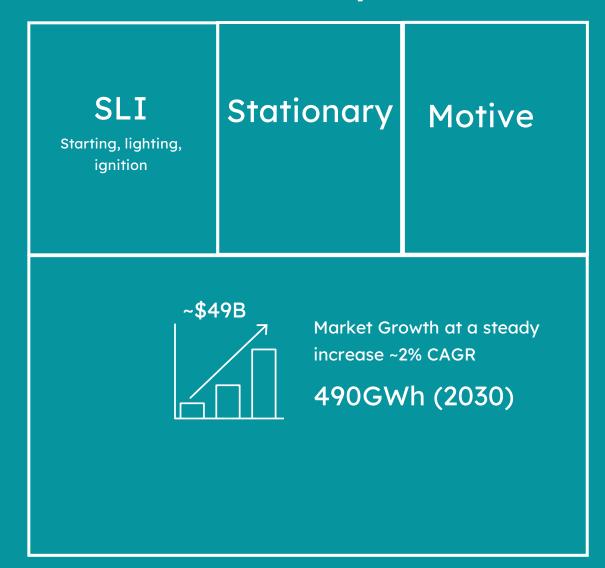
R&D li-ion pouch cell format

Gelion Zinc Bromide Batteries





PbA Battery Markets



Gelion Zinc Bromide

- Zinc bromide has PbA like format
- Safe chemistry, fire resistant
- High and low temperature tolerant without HVAC
- Better cycle performance
- Robust, 100% DOD (depth of discharge)
- Can remain uncharged without accelerated degradation
- Highly recyclable

The Revolution within.

Gelion's Endure™ uses a unique gel electrode that transforms zinc-bromide technology into a high-efficiency non-flow battery.

Patented Electrode Gel Layer >

Bromide Positive Plate >

Separator Membrane >

Zinc Negative Plate >



Gelion Lower Cost Inputs

Gelion uses raw materials that are abundant, accessible, recyclable and lower cost.

Lithium carbonate**

us**\$67,992**

metric tonne

FY22: +444%

Zinc**

U\$\$3,161

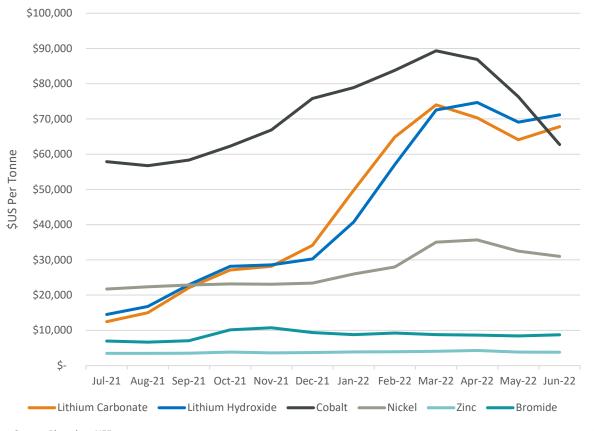
metric tonne

FY22: +10%

**Commodity price June 30, 2022, Bloomberg Commodity Pricing Data Jul y 2021 to June 2022 (FY22), Bloomberg

Gelion's zinc bromide chemistry utilises raw materials that are far less affected by current market volatilities

Comparison of lithium NMC battery input costs versus zinc comparable cost stability



Source: BloombergNEF

Gelion and PbA Partner – Battery Energy Power Solutions

Significant milestone achieved - first industrial pilot line production near Sydney, Australia



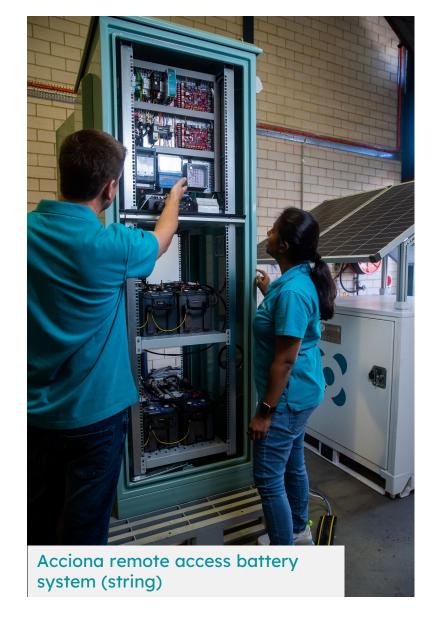
- Manufacturing transitioning from R&D to industrial process production.
- First manufacturing pilot line at PbA battery partner
- Completed ahead of schedule
- End-to-end line using > 70% of the standard PbA processes
- Provides input for future manufacturing blueprint

Gelion's inaugural pilot line production commencement.
Chris Bowen, Australian Minister for Climate Change & Energy;
Ed Husic, Australian Minister for Industry & Science;
Professor Thomas Maschmeyer, University of Sydney, Gelion
Founder.

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Acciona Energia Project

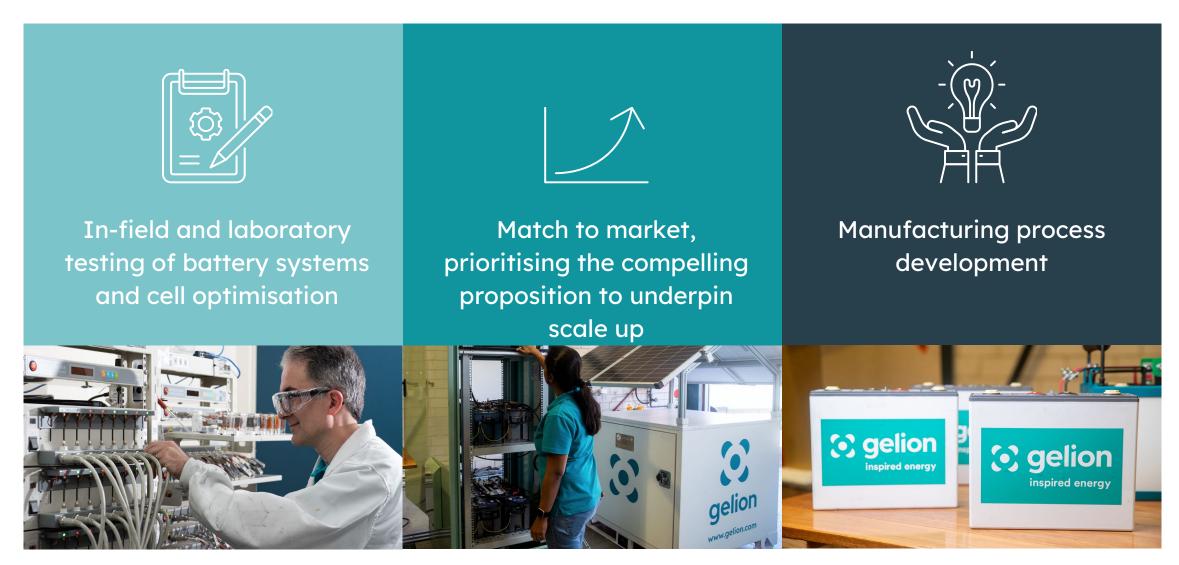
- Phase 1 is progressing as per plan and includes the initial virtual simulation battery system string testing, characterisation and in-field simulation.
- Phase 2 will see the deployment of Gelion's 120kWh system at Acciona's test solar farm in Spain in 2023.







2023 Outlook - Zinc Bromide



Lithium Silicon Sulfur (LiSiS)

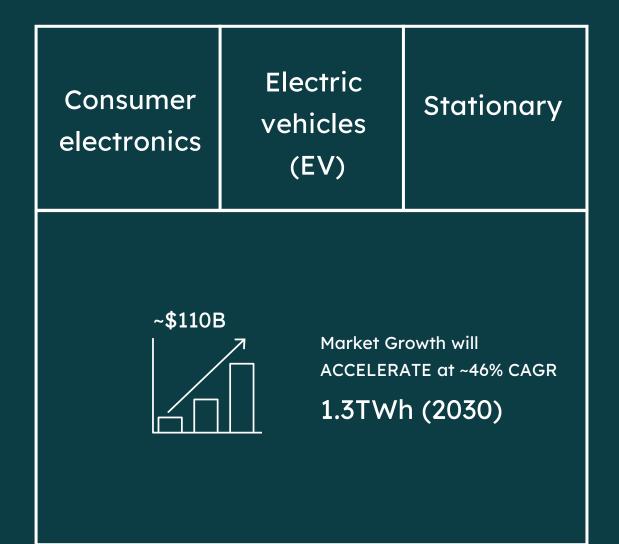
Performance Additives





Lithium-ion Battery Markets

Gelion Lithium silicon sulfur (LiSiS)



- Gelion is developing advanced LiS cathodes.
- Safer, higher gravimetric energy density and lower cost
- Ahead of schedule
- Improve EV performance, enable significant e-aviation and unlock new application opportunities

Source: AVICENNE Energy, BOI Information (Confidential)

LiSiS



By enabling advanced sulfur cathodes with silicon-based anodes, Gelion seeks to develop safe, high to ultra-high energy density batteries.

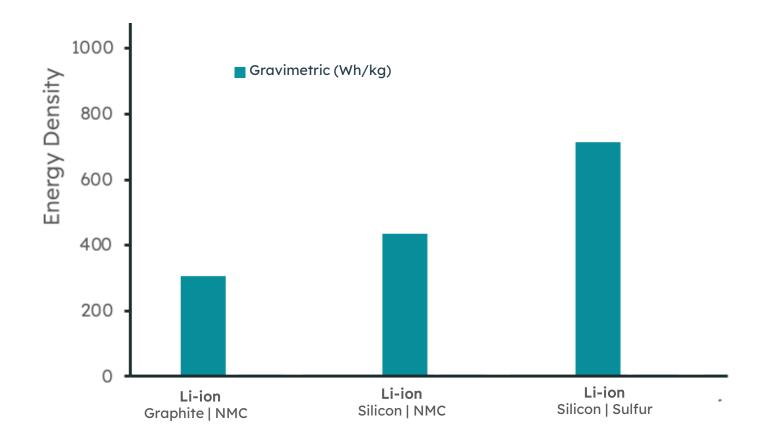


Lithium-Silicon-Sulfur

High energy silicon anode with sulfur cathode, dendrite-free ultra-high density cells to unlock unique applications.

Sulfur cathode stable in event of short circuit, minimising thermal runway.

✓ Safe failure mechanism



LiSiS Advantages



Safer, improved gravimetric energy density and lower cost



Utilises innovative technology proven to substantially enhance lifetime



Leverages Gelion's strong
R&D team internal team
and support from
University of Sydney

Financial Results



FY22 Actual Results vs analyst' expectations*

Financial Highlights FY 2022

| £m | Gelion Actual | Analysts Estimate |
|---|------------------|----------------------|
| Total income | 1.7 | 1.2 |
| Adjusted EBITDA loss | (4.1) | (4.9) |
| Adjusted EBITDA loss per share | 4.1p | 5.0p |
| Cash & cash equivalents & term deposits | 17.0 | 14.2 |

Results exceeding analysts' expectations*

- Increase in total income predominantly due to higher R&D incentives
- Adjusted EBITDA loss lower than expected driven by better cost management leading to lower overheads
- Cash position & term deposits at 30 June 2022 of £17.0m which is c. £2.8m (20%) above expectations

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^{*} FinnCap, Sept 2022

FY22 Results

Financial Performance

| £m | FY22 | FY21 |
|--------------------------------------|-------|-------|
| Total income | 1.7 | 1.6 |
| Administrative expenses | (3.2) | (1.5) |
| Research and development expenditure | (3.0) | (1.9) |
| Adjusted EBITDA loss | (4.1) | (1.5) |
| Listing & other associated costs | (4.7) | - |
| Depreciation & amortisation | (0.3) | (0.3) |
| Operating loss | (9.1) | (1.8) |

Key Highlights

- Successfully raised £16m at IPO listing on AIM in November 2021
- Increase in administrative expenses reflecting the additional headcount and costs of being a public company
- R&D expenditure increase reflecting additional headcount costs and development activities to support stationery and mobile storage solutions
- Non-recurring items related to one-off listing costs and accelerated vesting of options (non-cash)

Strong Balance Sheet: Significant Cash position & Nil Debt

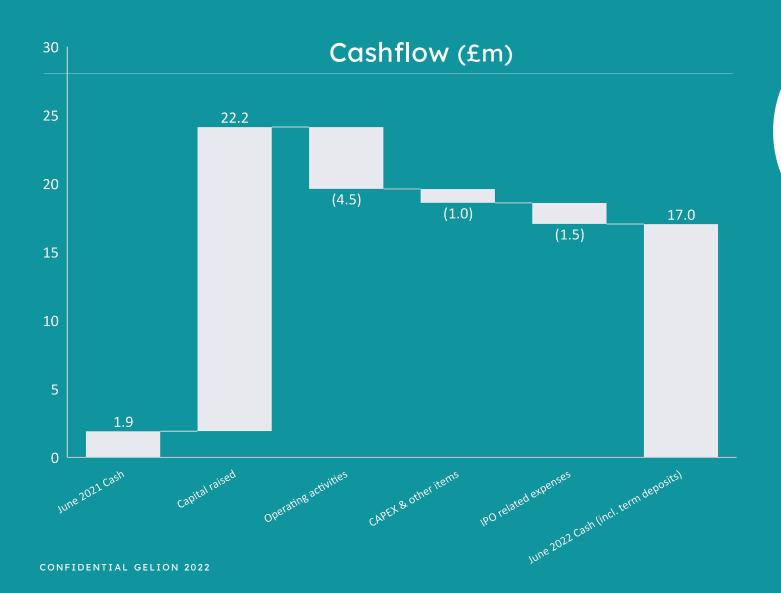
Balance Sheet

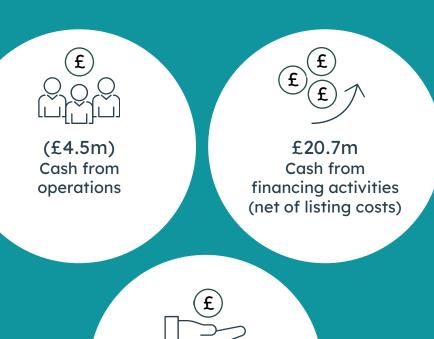
| £m | 30-Jun-22 | 30-Jun-21 |
|---|-----------|-----------|
| Cash and cash equivalents (incl. term deposits) | 17.0 | 1.9 |
| Other receivable | 2.2 | 1.3 |
| Intangible assets | 0.4 | 0.3 |
| Property, plant and equipment | 1.0 | 0.5 |
| Trade and other payables | (0.9) | (0.4) |
| Net assets | 19.7 | 3.6 |

Key Highlights

- Net increase in cash reflecting proceeds from IPO
- Other receivables include the R&D tax incentive of £1.7m. This was received in full in November 2022.
- Nil debt at 30 June 2022
- Net assets of £19.7m at 30 June 2022

Substantial Cash Available to Drive Future Growth





£17.0m Cash (incl short term deposits) at 30 June 2022

Conclusion



Summary and Outlook

2021/2022

- IPO
- Manufacturing facility set up and industrial cell production
- Proof point of battery cell manufacturing and battery system build

2023

- In-field and laboratory testing and cell optimisation for Zinc Bromide and LiSiS
- Match to market, prioritising the compelling proposition to underpin scale up
- Manufacturing process blueprint update

2024

- Progression of commercialisation process
- Battery certification towards manufacturing scale up





Team in place to pursue and deliver battery commercialisation



Energy storage market growth accelerates



Gelion well positioned to execute strategy and agile to adapt to dynamic market





Thank you



